public works
& infrastructure
Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

REPUBLIC OF SOUTH AFRICA

National Department of Public Works and Infrastructure

PROJECT TITLE	:	**CAPE TOWN : PARLIAMENTARY PRECINCT : UPGRADING AND RECONFIGURATION OF VARIOUS KITCHENS INCLUDING REPLACEMENT OF EQUIPMENT AND ASSOCIATED WORKS**
TENDER NO	:	**CPT 1004/25**
REFERENCE NO	:	**3/12/20/2/24**
CLOSING DATE	:	**03 March 2026**

TENDER DOCUMENT – VOLUME 3

NAME OF TENDERER: .....

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VOLUME 3: THE CONTRACT

Part C1: Agreement and Contract Data

C1.2 Contract Data

public works & infrastructure
Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

DPW-04 (EC): CONTRACT DATA: JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018)

Project title:	CAPE TOWN: PARLIAMENTARY PRECINCT: UPGRADING AND RECONFIGURATION OF VARIOUS KITCHENS INCLUDING REPLACEMENT OF EQUIPMENT AND ASSOCIATED WORKS

Tender / Quotation no:	CPT1004/25	**WCS no:**		**Reference no**:	3/12/20/2/24

	The Conditions of Contract are clauses 1 to 30 of the **JBCC®** Principal Building Agreement (Edition 6.2 of May 2018) prepared by the Joint Building Contracts Committee. **Contractors are cautioned to read the JBCC PBA and Contract Data (DPW-04 (EC)) together as some clauses in the JBCC PBA have been amended in the Contract Data (DPW-04 (EC)).** 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. Bidders to note that materials procured for the works should be from South African manufactures and suppliers. Imported materials shall only be considered under exceptional circumstances, based on compelling technical justifications, and subject to the approval by the NDPWI.
	CONTRACT VARIABLES **THE SCHEDULE** The **schedule** is the listed variables in this agreement and contains all variables referred to in this document including specific changes made to JBCC® documentation. It is divided into part 1: contract data completed by the **employer** and part 2: contract data completed by the **tenderer**. Part 1 must be completed in full and included in the tender documents. Both the part 1 and part 2 form part of this **agreement.** **Spaces requiring information must be filled in, shown as 'not applicable' or deleted but not left blank.** Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross referenced to the applicable clause of the **schedule**. Reference to clause numbers in the JBCC Principal Building Agreement are shown in [square brackets] in this contract data e.g. [3.1].

PART 1: CONTRACT DATA COMPLETED BY THE EMPLOYER:

A PROJECT INFORMATION

A 1.0 Works [1.1]

Works description	Refer to document ***PG01.2 (EC) – Scope of Works*** for detailed description
Alterations and additons to 2 existing kitchens within the Parliamentary Precinct (Marks Building and 90 Plein Street kitchens), incl tiling, sanitary fittings etc, electrical installations, mechanical installation, replacement of existing Kitchen Equipment and Cold/ Freezer Rooms. One kitchen is for the supply and instalaltion of kitchen equipment and cold freezer rooms only (NCOP kitchen).	

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A 2.0 Site [1.1]

Erf / stand number	Parliament Precint
Site address	Plein Street
Township / Suburb	Cape Town
City / Town	Cape Town
Province	Western Cape
Local authority	Cape Town
GPS Coordinates	33°55'33.99"S 18°25'08.99"E

A 3.0 EMPLOYER AND ITS REPRESENTATIVE

A 3.1 Employer:

Official Name of Organ of State / Public Sector Body	Government of the Republic of South Africa in its Department of Public Works & Infrastructure		
Business registration number	Not applicable	VAT number	Not applicable
E-mail	Akulule.Ndonyana@dpw.gov.za	Telephone	021 402 2419
Postal address	Private Bag X9027 Cape Town 8001		
Physical address	Department of Public Works and Infrastructure Customs House Building Cape Town 8001		

A 3.2 Employer's representative:

Name	Akulule Ndonyana	Telephone number	021 402 2419
E-mail	Akulule.Ndonyana@dpw.gov.za	Mobile number	066 185 0223
Postal address	Private Bag X9027 Cape Town 8001		
Physical address	Department of Public Works and Infrastructure Customs House Building Lower Heerengracht Foreshore, Cape Town, 8000		

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A 4.0	**Principal Agent** [1.1; 6.2]	**Discipline**	Architect

Name	The Creative Axis		
Legal entity of above		Contact person	Arthur Nemukula
Practice number		Telephone number	021 4424 7742
Country	RSA	Mobile number	071 613 4390
E-mail	arthur@creativeaxis.co.za		
Postal address	Boulevard Place, South Lobby 3rd Floor, Heron Crescent Century City Cape Town 7441		
Physical address	Boulevard Place, South Lobby 3rd Floor, Heron Crescent Century City Cape Town 7441		

A 5.0	**Agent** [1.1; 6.2]	**Discipline**	Quantity Surveyors

Name	Mbatha Walters & Simpson (Pty)Ltd		
Legal entity of above		Contact person	Brenda-Lynn Nell
Practice number		Telephone number	021 423 6200
Country	RSA	Mobile number	082 531 7943
E-mail	brenda-lynn@mwsqs.co.za		
Postal address	PO Box 15032 Vlaeberg Cape Town 8018		
Physical address	5th Floor, Hycastle House, 58 Loop Street Cape Town 8001		

A 6.0	**Agent** [1.1; 6.2]	**Discipline**	Mechanical Engineers

Name	BVI Consulting Engineers		
Legal entity of above		Contact person	Alfredo Malgas
Practice number		Telephone number	021 527 7000
Country	RSA	Mobile number	079 498 6800
E-mail	alfredom@bviwc.co.za		
Postal address	PO Box 86 Century City Cape Town 7446		
Physical address	Block B2, Edison Square , C/O Edison Way & Century Ave Century City Cape Town 7441		

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A 7.0	**Agent** [1.1; 6.2]	**Discipli**ne	Electrical Engineers

Name	BVI Consulting Engineers		
Legal entity of above		Contact person	Alfredo Malgas
Practice number		Telephone number	021 527 7000
Country		Mobile number	079 498 6800
E-mail	alfredom@bviwc.co.za		
Postal address	PO Box 86 Century City Cape Town 7441		
Physical address	Block B2, Edison Square, c/o Edison Way & Century Ave Century City Cape Town 7441		

A 8.0	**Agent** [1.1; 6.2]	**Discipli**ne	Health and Safety

Name	National Department of Public Works and Infrastructure		
Legal entity of above		Contact person	Zethembiso Mwandla
Practice number		Telephone number	021 402 2181
Country		Mobile number	066 261 1039
E-mail	Zethembiso Mwandla		
Postal address	Private Bag X9027 Cape Town 8001		
Physical address	National Department of Public Works and Infrastructure Customs House Building Lower Hereengracht Street, Foreshore Cape Town, 8000		

A 9.0	**Agent** [1.1; 6.2]	**Discipli**ne	

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

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A 10.0	**Agent** [1.1; 6.2]	**Discipli**ne	

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

A 11.0	**Agent** [1.1; 6.2]	**Discipli**ne	

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

A 12.0	**Agent** [1.1; 6.2]	**Discipli**ne	

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

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B CONTRACT INFORMATION

B 1.0 Definitions [1.1]

Bills of quantities: System/Method of measurement	Standard system of measurement of building works 7th edition

B 2.0 Law, regulations and notices [2.0]

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

B 3.0 Offer and acceptance [3.0]

Currency applicable to this agreement [3.2]	South African Rand

B 4.0 Documents [5.0]

The original signed agreement is to be held by the principal agent [5.2], if not, indicate by whom	Employer
Number of copies of construction information issued to the contractor at no cost [5.6] (3 Copies of all relevant construction documentation – this to includes 1 priced Bills of Quantities and 2 unpriced Bills of Quantities)	3

Documents comprising the agreement	Page numbers
The JBCC® Principal Building Agreement, Edition 6.2 May 2018	1 to 30
DPW-04 (EC): CONTRACT DATA: JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018)	1 to 31
The JBCC® General Preliminaries for use with the JBCC® Principal Building Agreement, Edition 6.2 May 2018	
Drawings as per drawing register issued with the tender	55
Specifications issued with the tender	
Schedules issued with the tender	
Bills of Quantities issued with the tender	131
Addenda as issued during tender stage, if applicable	As issued

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] [6.7 [CD]]	**Principal Agent**
Principal agent's and agents' interest or involvement in the works other than a professional interest [6.3]	
No	

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B 6.0 Insurances [10.0]

Insurances by contractor
NB: Insurances submitted must be issued by either an insurance company duly registered in terms of the Insurance Act [Long-Term Insurance Act, 1998 (Act 52 of 1998) or Short-Term Insurance Act, 1998 (Act 53 of 1998)] or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990). **Insured amounts to include VAT.**

	New works [10.1.1] With a deductible not exceeding 5% of each and every claim	Contract sum plus 10%	Not Applicable
Or	Works with practical completion in sections [10.2] With a deductible not exceeding 5% of each and every claim	Contract sum plus 10%	Applicable
Or	Works with alterations and additions [10.3] (reinstatement value of existing structures with or including new works) With a deductible not exceeding 5% of each and every claim	Contract sum plus 10%	Not Applicable
	Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance	RNot Applicable	Not Applicable
	Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance	RNot Applicable	Not Applicable
	Escalation, professional fees and reinstatement costs must be included in the above respective insurances		Applicable
Supplementary insurance [10.1.2; 10.2]		Contract sum plus 10%	Applicable
Public liability insurance [10.1.3; 10.2]		R 5 000 000	Applicable
Removal of lateral support insurance [10.1.4; 10.2]		R	Not Applicable
Other insurances [10.1.5]			
Hi Risk Insurance Refer B18.0 [10.1.5.1]		R Not Applicable	Not Applicable
Other insurances: If applicable, description 1:		R Not applicable	Not Applicable
N/A			
Other insurances; If applicable, description 2:		R Not applicable	Not Applicable
N/A			

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B 7.0 Obligations of the employer [12.1]

Existing premises will be in use and occupied [12.1.2]	Applicable
If applicable, description: The three (3) buildings will be will remain occupied during construction, with each kitchen being vacated in order for works to be carried out.	
Restriction of working hours [12.1.2]	Applicable
If applicable, description: Work may be affected from time to time to accommodate the workings and activities of Parliament. The contractor will be provided with the Parliamentary calendar upon commencement of works on site.	
Natural features and known services to be preserved by the contractor [12.1.3]	Applicable
If applicable, description: Any unknown services found are to be brought to the attention of the Principal Agent, and shall not be cut or disconnected until this has been approved.	
Restrictions to the site or areas that the contractor may not occupy [12.1.4]	Applicable
If applicable, description: Due to the nature of the site, the specific work areas, lay down areas and restricted areas will be pointed out clearly to the contractor on site.	
Supply of free issue of material and goods [12.1.10]	Not Applicable
If applicable, description: N/A	

B 8.0 Appointment of Nominated Subcontractors [14.0]

Not Applicable	If applicable, description of specialisation

Specialisation 1	
Specialisation 2	
Specialisation 3	
Specialisation 4	
Specialisation 5	

B 9.0 Appointment of Selected Subcontractors [15.0]

Not Applicable	If applicable, description of specialisation

Specialisation 1	
Specialisation 2	
Specialisation 3	
Specialisation 4	
Specialisation 5	

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B 10.0 Appointment of Direct Contractors [16.0]

Not Applicable	If applicable, description of extent of work [12.1.11]
Extent of work	
Extent of work	
Extent of work	
Extent of work	
Extent of work	

B 11.0 Works to be completed in sections [20.1]

Applicable	If applicable, description of sections
Section 1	Marks Building & Old Assembly (NCOP) Kitchens
Section 2	90 Plein Street Kitchen
Section 3	
Section 4	
Section 5	
Section 6	
Remainder of the works.	

B 12.0 Contract period [B18: 1.2], Construction period [B18: 1.1], Possession of site [12.1.5], Practical Completion [19.0; 20.0], Works Completion Refer B18.0 [19.8], Final Completion [21] and Penalties [24.0]

B12.1 Contract Period

Contract period [B18: 1.2]**:** Period in **months** as indicated**,** include the time from the date of award (commencement date) for submitting contractual obligatory documents, submission of Health & Safety Plan and approval, period for obtaining the Construction Permit (if applicable), the Construction Period and the Defect Liability Period up to and including Final Completion	
The contract period is determined as follows (Period/s indicated in months):	
Period to submit contractual obligatory documents including submission and approval of health and safety plan by the appointed Health & Safety Agent	14 days

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Period to obtain Construction Permit from Department of Labour upon approval of the Health & Safety Plan by the appointed Health & Safety Agent	N/A
Total construction period for the Works as a whole up to and including Practical Completion, as indicated below [24.1]	10 Months B12.3
Period to achieve Works Completion Refer B18.0 [19.8]	1 month
Defect liability period up to and including Final Completion	12
Total Contract Period [B18: 1.2]	24 Months
Penalty amount per calendar day for late submission of contractual obligatory documents: Ten percent (10%) of the penalty amount per calendar day for late Practical Completion, excluding VAT. [24.1]	R 420,00

B12.2 Construction Period for completion of the Works as a whole

Construction period [B18: 1.2] and **Practical Completion for the Works as a whole** [19.0] The time for achieving Practical Completion of the whole of the Works is **measured from the** date of possession of the **site** by the **contractor** inclusive of all **public holidays, special non-working days and builders' holiday shut down periods.**	Not Applicable
The date for practical completion for the works as a whole shall be the period in **months** as indicated, starting from the date of possession of the site by the contractor inclusive of all special non-working days and builders' holiday shut down periods [12.2.7; 24.1]	
Period for inspection in **working days** by the principal agent [19.3]	
Penalty amount per calendar day for **late Practical Completion**, excluding VAT. [24.1]	
Penalty amount per calendar day for **late Works Completion** Refer B18.0 [19.8]: Thirty percent (30%) of penalty amount per calendar day for late Practical Completion, excluding VAT.	R
Penalty amount per calendar day for **late Final Completion** [21]: Fifteen percent (15%) of penalty amount per calendar day for late Practical Completion, excluding VAT.	R

B12.3 Construction Period for completion of the Works in portions

Construction period [B18: 1.1] and **Practical completion for portions of the Works** [20.0]					Applicable	
Portions of the Works in sections:	1	2	3	4	5	6
Period for inspection by the principal agent in **working days** [19.3]						
The date for practical completion shall be the period in **months** as indicated from the date of possession of the site by the contractor [12.2.7; 24.1]	4 Months	6 Months				

The date for practical completion for **the whole** of the Works, if applicable shall be the period in **months** as indicated from the date of possession of the site by the contractor inclusive of all **public holidays, special non-working days and builders' holiday shut down periods** [12.2.7; 24.1]	10 Months
Penalty for late Practical Completion, ***if completion in sections is required***, excluding VAT	
The penalty amount per day for failing to complete **section 1** of the Works is:	R 4,200.00
The penalty amount per day for failing to complete **section 2** of the Works is:	R 4,200.00
The penalty amount per day for failing to complete **section 3** of the Works is:	R
The penalty amount per day for failing to complete **section 4** of the Works is:	R
The penalty amount per day for failing to complete **section 5** of the Works is:	R
The penalty amount per day for failing to complete **section 6** of the Works is:	R
The penalty amount per day for failing to complete **the whole** of the Works, if applicable, is:	R 8,400.00
Penalty amount per calendar day for late Works Completion Refer B18.0 [19.8]: To be calculated at Thirty percent (30%) of penalty / calendar day to complete **the whole of the Works**, excluding VAT	
Penalty amount per calendar day for late Final Completion [21]: To be calculated at Fifteen percent (15%) of penalty / calendar day to complete **the whole of the Works**, excluding VAT	

B 13.0 Criteria to achieve Practical Completion [19.0; 20.0]

Criteria to achieve Practical Completion not covered in the definition of practical completion	
13.1	Obtain Occupation Certificate from the relevant authority prior to issuing the Practical Completion certificate
13.2	All relevant CoCs
13.3	All guarantees
13.4	Training on electrical, security and mechanical installations if contractually required
13.5	Maintenance / operating manuals
13.6	Final Account documentation
13.7	
13.8	
13.9	
13.10	

B 14.0 Defects liability period [21.0]

Extended defects liability period: Refer B18.0 [21.13]

Applicable	If applicable, description of applicable elements

14.1	Emergency generator/s
14.2	Air conditioning system and plant
14.3	Security system/s (e.g. Access control, Intruder alarm, etc.)
14.4	Electrical equipment (e.g. Electric operated doors, Electric motors, etc.)
14.5	Lifts
14.6	Mechanical equipment (e.g. Fire detection, Fire suppression system, Kitchen equipment, etc.)
14.7	Civil works
14.8	Landscaping including automated systems (irrigation)
14.9	Kitchen Equipment
14.10	

B 15.0 Payment [25.0]

Date of month for issue of regular payment certificates Refer B18.0 [25.2]	25th
Contract price adjustment / Cost fluctuations Refer [25.3.4; 26.9.5]	Not Applicable
If applicable, method to calculate	CPAP
Employer shall pay the contractor within: Refer B18.0 [25.10]	Thirty (30) calendar days

B 16.0 Dispute resolution [30.0]

Mediation	Applicable
Name of nominating body	Association of Arbitrators (Southern Africa)
Appointment of Mediator	State Attorney
Litigation	Court with Jurisdiction

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B 17.0 JBCC® General Preliminaries - selections

Provisional bills of quantities [P2.2]		Applicable
Availability of construction information [P2.3]		Applicable
Previous work - dimensional accuracy - details of previous contract(s) [P3.1]		Applicable
Previous work - defects - details of previous contract(s) [P3.2]		Applicable
Inspection of adjoining properties - details [P3.3]		Applicable
Handover of site in stages - specific requirements [P4.1]		Applicable
Enclosure of the works - specific requirements [P4.2]		Applicable
Geotechnical and other investigations - specific requirements [P4.3]		Not Applicable
Existing premises occupied - details [P4.5]		Applicable
Services - known - specific requirements [P4.6]		Applicable
Water [P8.1]	By contractor	Not Applicable
	By employer	Not Applicable
	By employer – metered	Applicable
Electricity [P8.2]	By contractor	Not Applicable
	By employer	Not Applicable
	By employer – metered	Not Applicable
Ablution and welfare facilities [P8.3]	By contractor	Applicable
	By employer	Not Applicable
Communication facilities - specific requirements [P8.4] The contractor will provide Telepone and email facilities for those responsibe on site.		Applicable
Protection of the works - specific requirements [P11.1] Where applicable, the access routes into and out of the kitchens will be protected to ensure no damage to the exisiting building		Applicable
Protection / isolation of existing works and works occupied in sections - specific requirements [P11.2]		Not Applicable
Disturbance - specific requirements [P11.5]		Not Applicable
Environmental disturbance - specific requirements [P11.6]		Not Applicable

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B 18.0 SPECIFIC CHANGES MADE TO JBCC® DOCUMENTATION

[Details of changes made to the provisions of **JBCC** standard documentation]

1.2	**Definitions** **The following definitions replace corresponding definitions or are added to the definitions in the JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018), whatever the case may be.** **ADVERSE WEATHER CONDITIONS:** Adverse weather and inclement weather has the same meaning and used interchangeably and means any weather conditions i.e.: Rain, wind, snow, frost, temperature (cold or heat) that are not in the norm for the area where the construction takes place and during which no work is possible on site. **AGREEMENT:** The completed Form of Offer and Acceptance, the completed JBCC® Principal Building Agreement and contract data for organs of state and other public sector bodies, the contract drawings, the priced document and any other documents reduced to writing and signed by the authorised representative or representatives of the parties. **CONSTRUCTION PERIOD:** The period commencing on the date of possession of the **site** by the **contractor** and ending on the date of **practical completion.** **CONTRACT PERIOD:** The period commencing on the date of the letter of acceptance and ending on the date of final completion. **COST FLUCTUATION** shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule. **DEFAULT INTEREST**: No clause. **GUARANTEE FOR CONSTRUCTION**: A security in terms of the DPWI's Guarantee for Construction form/s, obtained by the contractor from an institution approved by the employer [CD]. **INTEREST:** The interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999) as amended, calculated as simple interest, in respect of debts owing to the State, and will be the rate as published by the Minister of Justice and Correctional Services from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975) as amended, calculated as simple interest, in respect of debts owing by the State. **LETTER OF ACCEPTANCE**: The letter of formal acceptance of the Contractor's or Service Provider's Tender / Bid, issued and signed by the Employer. **PAYMENT CERTIFICATE**: A certificate issued at regular agreed intervals [CD] by the principal agent to the parties certifying the amount due and payable in terms of clause 25.3. **PRINCIPAL AGENT:** The person or entity appointed by the **employer** and named in the **contract data for organs of state and other public sector bodies.** In the event of a **principal agent** not being appointed, then all the duties and obligations of a **principal agent** as detailed in the **agreement** shall be fulfilled by the employer's representative as named in the **contract data for organs of state and other public sector bodies.**

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CONTRACT SPECIFIC DATA

The following contract specific data, referring to the General Conditions of Contract for Construction Works, JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018), are applicable to this Contract:	
3.3	Replace clause with the following: This agreement shall come into force on the date of letter of acceptance and continue to be of force and effect until the end of the latent defects liability period [22.0] notwithstanding termination [29.0] or the certification of final completion [21.0] and final payment [25.0].
4.2	Refer to clause 6.7 [CD].
4.3	Replace clause with the following: Where a contractor cedes any right or any monies due to or to become due under this agreement as security in favour of a financial institution, the prior written consent of the employer, which consent shall not be unreasonably withheld, must be obtained.
5.2	Replace last sentence with the following: The original signed agreement shall be held by the Employer.
5.4	Replace clause with the following: The Bills of Quantities shall not be used as a specification of material and goods or methods unless so instructed by the Principal Agent. The contractor may not use the Bills of Quantities for purpose of ordering material. All dimensions and quantities must be determined on site before ordering. In the event of discrepancy between the drawings and Bills of Quantity, the drawings shall take preference.
5.5	Replace clause with the following: The parties may publish or disclose on any platform only the contract scope and contract amount.
6.5	Replace clause with the following: Where the principal agent and/or an agent fails to act or is unable to act or ceases to be the principal agent or an agent in terms of this agreement, the employer may appoint another principal agent and/or an agent, be it temporary or permanently.
6.7	Add the following as clause 6.7: In terms of the clauses listed hereunder, the employer has retained its authority and has not given a mandate to the principal agent, notwithstanding other provisions in the contract. The employer shall sign all documents in relation to clauses 4.2, 14.1.4, 14.4.1, 14.6, 15.1.4, 15.4.1, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12.
7.2	Replace first sentence with the following: Any design responsibility undertaken by a subcontractor shall not devolve on the contractor except for items that require specific component design and or compatibility design and or shop drawings and or the assembly thereof.
8.4	Replace clause with the following: The contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary.
9.2.7	Add the following to the end of the first sentence: "…. due to no fault of the contractor".

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9.2.9	No clause.
9.2.10	No clause.
9.3	Add the following as clause 9.3: The employer's rights to claim damages for the contractor's omissions and actions will not be affected.
10.1	Replace clause with the following: The party responsible shall effect and keep the respective insurances [CD] in force, in favour of the employer as beneficiary, from the date of possession of the site until the issue of the certificate of practical completion and with an extension to cover the contractor's obligations after the date of practical completion [8.2.2].
10.1.5.1	Add the following as clause 10.1.5.1: Hi Risk Insurance In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:
10.1.5.1.1	Add the following as clause 10.1.5.1.1: Damage to the works The contractor shall, from the date of possession of the site until the date of the certificate of practical completion, bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary. When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs.
10.1.5.1.2	Add the following as clause 10.1.5.1.2: Injury to persons or loss of or damage to property The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above. The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property, or personal property, or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract.
10.1.5.1.3	Add the following as clause 10.1.5.1.3: It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the date of letter of acceptance, but before commencement of the works, submit to the employer proof of such insurance policy.

10.1.5.1.4	Add the following as clause 10.1.5.1.4: The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole.
10.2	Replace clause with the following: Where practical completion in sections is required [20.0), or where the works is for alterations and additions, the contractor shall effect and keep in force contract works insurance [10.1.1], supplementary insurance [10.1.2], public liability insurance [10.1.3] and where applicable, removal of lateral support insurance [10.1.4] and other insurances [10.1.5) in favour of the employer as beneficiary.
10.6	No clause.
10.11	Add the following as clause 10.11 In the event that an insurer dispute the amount of the claim to be paid to the employer, the contractor shall be liable to the employer for the difference between the claim (as determined by the employers QS appointed on the project) made by the employer and the amount that the insurer is willing to pay.
11.1	Add the following to clause 11.1. In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT). In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of C 1.0 Securities, as stated in the schedule. Such security shall be provided to the employer within fifteen (15) working days from contract commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within fifteen (15) working days from the contract commencement date, the security in terms of C 1.0 Option C shall be deemed to have been selected. The payment reduction of the value certified in a payment certificate shall be *mutatis mutandis* in terms of 25.12.1 - 25.12.5.
11.1.1	No clause.
11.1.2	No clause.
11.2.2	No clause.
11.3	No clause.
11.4.1	Replace clause 11.4.1 with the following: Hand over the site to the contractor and withhold an amount equal to ten per cent (10%) of each interim payment certificate until practical completion is achieved. The value certified shall be subject to the adjustments in terms of 25.12.6 to 25.12.10.
11.5	No clause.
11.6	No clause.

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11.7	No clause.
11.8	No clause.
11.9	No clause.
11.10	No clause.
11.11	Add the following as clause 11.11 Where the security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:
11.11.1	Add the following as clause 11.11.1 The contractor shall furnish the employer with a cash deposit equal in value to ten percent (10%) of the contract sum (excluding VAT) within fifteen (15) working days from the contract commencement date. Failure to furnish the employer with a cash deposit within fifteen (15) working days clause 11.4 will apply *mutatis mutandis*.
11.11.2	Add the following as clause 11.11.2 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor.
11.11.3.	Add the following as clause 11.11.3 Within fifteen (15) working days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT).
11.11.4	Add the following as clause 11.11.4 Within fifteen (15) working days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT).
11.11.5	Add the following as clause 11.11.5 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor.
11.11.6	Add the following as clause 11.11.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party.
11.12	Add the following as clause 11.12 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:
11.12.1	Add the following as clause 11.12.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within fifteen (15) working days after issuance of the letter of acceptance. Failure to submit an acceptable variable construction guarantee within fifteen (15) working days clause 11.4 will apply *mutatis mutandis*.
11.12.2	Add the following as clause 11.12.2 The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender.

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11.12.3	Add the following as clause 11.12.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring.
11.12.4	Add the following as clause 11.12.4 Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall issue a written demand in terms of the variable construction guarantee.
11.13	Add the following as clause 11.13 Where security is a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:
11.13.1	Add the following as clause 11.13.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT).
11.13.2	Add the following as clause 11.13.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion.
11.13.3	Add the following as clause 11.13.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring.
11.13.4	Add the following as clause 11.13.4 The payment reduction of the value certified in a payment certificate shall be *mutatis mutandis* in terms of 25.12.1 - 25.12.5.
11.13.5	Add the following as clause 11.13.5 Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or from both.
11.14.1	Add the following as clause 11.14.1 Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:
11.14.2	Add the following as clause 11.14.2 The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within fifteen (15) working days from the contract commencement date. Failure to submit a cash deposit within fifteen (15) working days clause 11.4 will apply *mutatis mutandis*.
11.14.3	Add the following as clause 11.14.3 Within fifteen (15) working days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor.
11.14.4	Add the following as clause 11.14.4 The payment reduction of the value certified in a payment certificate shall be *mutatis mutandis* in terms of 25.12.1 - 25.12.5.
11.14.5	Add the following as clause 11.14.5 Where the employer has a right of recovery against the contractor in terms of 27, the employer may recover from the payment reduction or cash deposit or from both.

11.15	Add the following as clause 11.15 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected:
11.15.1	Add the following as clause 11.15.1 The payment reduction of the value certified in a payment certificate shall be *mutatis mutandis* in terms of 25.12.6 to 25.12.10.
11.15.2	Add the following as clause 11.15.2 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor.
11.16	Add the following as clause 11.16 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement.
11.17	Add the following as clause 11.17 Should the contractor fail to furnish the security in terms of 11.2 the employer, in his sole discretion, and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT).
12.1.1	No Clause.
12.1.5	Replace clause with the following: Give possession of the site to the contractor within ten (10) working days after approval of the Health and Safety Plan or the issue of a construction permit by the Department of Labour, if applicable, after the contractor complied with the terms of 12.2.22.
12.1.6	No clause.
12.1.8	No clause.
12.2.2	Replace clause with the following: The priced Bills must be submitted to the Employer within fourteen (14) calendar days from date of request. Where the **priced document** contains errors or discrepancies and/or prices considered by the employer or **principal agent** to be imbalanced or unreasonable the employer or **principal agent** and the **contractor** shall adjust such prices without any change to the **contract sum.**
12.2.5	Replace clause with the following: Effect and keep in force insurances in favour of the employer as beneficiary where the contractor is responsible for providing insurances [10.0) [CD].
12.2.13	Replace clause with the following: Designate a competent person full time on site to continuously administer and control the works on site and to receive and implement notices and contract instructions on behalf of the contractor.
12.2.22	Insert the following clause as 12.2.22: Within fourteen (14) working days of the date of the letter of acceptance submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).

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12.2.23	Insert the following clause as 12.2.23: The contractor shall within reasonable time inform the agents regarding inspection of the works before covering / closing [B 12.0].
14.1.4	Refer to clause 6.7 [CD].
14.1.5	No clause.
14.4.1	Replace “principal agent” with “employer” [6.7 [CD]].
14.6	Refer to clause 6.7 [CD].
15.0	See clause 6.7 above for clauses, 15.5.
15.1.2	Replace clause with the following: The principal agent shall call for tenders from a list of tenderers agreed between the contractor and the employer.
15.1.4	Refer to clause 6.7 [CD].
15.1.5	No clause.
15.4.1	Replace “principal agent” with “employer” [6.7 [CD]].
17.4	Replace clause with the following: The contractor shall comply with and duly execute all contract instructions except any contract instruction for additional work issued after the date of practical completion other than making good physical loss and repairing damage to the works in terms of 8.0 and 21.
17.6	Add the following as clause 17.6: Minutes of meetings shall not constitute a site instruction unless reduced to a written contract instruction issued by the principal agent in terms of this contract / agreement.
19.5	Replace clause with the following: On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section.
19.8	Add the following as: 19.8 **WORKS COMPLETION** (1) Within seven (7) calendar days of the date of practical completion the principal agent shall issue to the contractor a works completion list defining the outstanding work and defects apparent at the date of practical completion to be completed or rectified to achieve works completion. (2) Where, in the opinion of the contractor, the works completion list has been completed the contractor shall notify the principal agent who shall inspect within seven (7) calendar days of receipt of such a notice. Where, in the opinion of the principal agent, the Works Completion list: (2)(a) Has been satisfactorily completed, the principal agent shall forthwith issue a certificate of Works Completion to the contractor with a copy to the employer

19.8 Continued	(2)(b) Has not been satisfactorily completed, the principal agent shall forthwith identify the works completion list items that are not yet complete and inform the contractor thereof. The contractor shall repeat the procedure in terms of 19.8(2) (3) Should the principal agent not issue a works completion list, in terms of 19.8 (1) or 19.8 (2) (b), within seven (7) calendar days from the end of the inspection period, the contractor shall notify the employer and principal agent. Should the principal agent not issue such Works Completion list within seven (7) calendar days of receipt of such notice, the employer may within seven (7) calendar days issue to the contractor a Works Completion list. Should the employer: (3)(a) Not issue such works completion list within seven (7) calendar days, then the certificate of Works Completion shall be deemed to have been issued on the date of expiry of the initial notice period and works completion shall be deemed to have been achieved on such date (3b) Issue a works completion list and the work on Works Completion list not have been completed or where further defects have become apparent, the employer shall forthwith identify such items on the updated works completion list and notify the contractor. The contractor shall repeat the procedure in terms of 19.8 (2) (b) until such items have been completed to the satisfaction of the employer (4) Should the works completion list not be completed to the satisfaction of the employer within a period of twenty (20) working days of the issue final works completion list the contractor shall be liable to a daily penalty as described in B13. (5) The defects liability period in terms of 21.1 shall commence with the issue or deemed issue of the certificate of Works Completion in terms of 19.8(2)(a) or 19.8(3).
20.2.1.A	Add the following as: 20.2.1.A A certificate of Works Completion [19.8]
21.1	Replace clause 21.1 with the following: The defects liability period for the works shall commence on the calendar day following the date of works completion and end at midnight (00:00) ninety (90) calendar days from the date of works completion [CD] or when work on the list for completion has been satisfactorily attended to [21.6), whichever is the later (if we use works completion).
21.6	Replace clause 21.6 with the following: On the expiry of the ninety (90) calendar days defects liability period [21.1] for items not indicated as items with an extended liability as indicated in B14 and on receipt of the contractor's notice to the principal agent. And/or On the expiry of the defects liability period as indicated in B14, for items indicated in B14 and on receipt of the contractor's notice to the principal agent, the principal agent shall: (1) inspect the works And within ten (10) working days either issue a list for final completion detailing all outstanding work or defects that must be attended to, or rectified to achieve final completion or (2) issue the certificate of final completion to the contractor with a copy to the employer for that part of the works where defects liability period has expired.
21.6.1.	Omit clause.

21.6.2	Omit clause.
21.13	Add the following as clause 21.13 The ninety (90) calendar day defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect of the listed applicable elements in B14.
21.14	Add the following as clause 21.14 Penalties will be applied if the items on the completion list have not been attended to within a period of ninety (90) calendar days [21.1]. If additional defect items have being added to the list during this period, then the Principal Agent and Contractor will agree on a revised completion date. Failing in achieving the revised date will result in penalties being applied [B12.0].
22.3.2	No clause.
23.1	Refer to clause 6.7 [CD].
23.2	Refer to clause 6.7 [CD].
23.2.13	No clause.
23.3	Replace 23.3 with the following: Further circumstances that delays practical completion due to any other cause beyond the contractor's reasonable control that could not have reasonably been anticipated and provided for which the contractor may be entitled to a revision of the date for practical completion, with or without an adjustment of the contract value as determined by the Employer [6.7 CD].
23.7	Refer to clause 6.7 [CD].
23.8	Refer to clause 6.7 [CD].
24.1	Replace clause 24.1 with the following: Where the **contractor** fails to bring the **works,** or a **section** thereof, to **practical-, works-, or final- completion** by the applicable completion date [B10 CD], or the revised applicable completion date**,** the **contractor** shall be liable to the **employer** for the **penalty** [B10 CD].
24.2	Replace clause 24.2 with the following: Where the **employer** elects to levy such **penalty** the **employer,** or the **principal agent** on instruction from the **employer,** shall give **notice** thereof to the **contractor.** The **principal agent** shall determine the **penalty** due from the later of the date for **practical- works-, or final- completion** [B10 CD], or the revised date for **practical- works-, or final- completion,** up to and including the earlier of:
24.2.1	Replace clause 24.2.1 with the following: The actual or deemed date of **practical-, works- or final- completion** of the **works,** or a **section** thereof [23.7.1].
25.2	Replace clause 25.2 with the following: The principal agent shall issue at regular agreed intervals [CD] payment certificates, to the contractor with a copy to the employer, up to and including practical completion. Interim Payment certificates may be issued to the contractor between practical completion and the final payment certificate. A payment certificate may be for a nil or negative amount.

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25.3	Add the following to clause 25.3: 25.3.12 Monthly Local content report. 25.3.13 EPWP / NYS payment register, labour reports and certified ID document of EPWP/ NYS beneficiaries, Contract between Contractor and EPWP/ NYS beneficiaries, attendance register (if applicable). 25.3.14 Tax Invoice. 25.3.15 Labour intensive report. 25.3.16 Contract participation goal and cidb BUILD programme reports.
25.5	No Clause.
25.6	Replace clause 25.6 with the following: Materials and goods will only be certified and paid for upon providing proof of full payment to the supplier and proof of transfer of ownership from the supplier to the contractor by the contractor. Once paid, material and goods shall become the property of the employer and shall not be removed from site without the written authority of the Employer.
25.7.5	No Clause.
25.10	Replace clause 25.10 with the following: The employer shall pay the contractor the amount stipulated in an issued payment certificate, correct in all material respects, within thirty (30) calendar days from the date of receiving the payment certificate and invoice including all other substantiating documentation for items certified in the payment certificate.
25.12	Replace clauses 25.12 to 25.12.3 with the following: The value certified shall be subject to the following percentage adjustments: (Clauses 25.12.1 to 25.12.5 shall be applicable to a contract sum up to R1 million. In the event of a contract sum more than R1 million for Options D & E (C 1.0 Securities [11.0]) Clauses 25.12.1 to 25.12.5 shall be applicable) 25.12.1 Where a **security** is selected in terms of C 1.0 Securities [11.0] the value of the **works** in terms of 25.1 and of the **materials and goods** in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments: 25.12.2 Ninety-five per cent (95%) of such value in interim **payment certificates** issued up to the date of **practical completion.** 25.12.3 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **works completion** and up to but excluding the date of **final completion.** 25.12.4 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 26. 25.12.5 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 26 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**.

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25.12 Continued	(Clauses 25.12.6 to 25.12.10 shall be applicable to a contract sum more than R1 million for Option C (C 1.0 Securities [11.0]) 25.12.6 Where security is a payment reduction in term of Option C, the value of the **works** in terms of 25.1 and **materials and goods** in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments: 25.12.7 Ninety per cent (90%) of such value in interim **payment certificates** issued up to the date of **practical completion.** 25.12.8 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion.** 25.12.9 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 26. 25.12.10 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 26 except were the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate.**
26.1	Refer to clause 6.7 [CD].
26.4.3	Omit clause.
26.7	Refer to clause 6.7 [CD].
26.10	Replace 26.10 with the following: The **principal agent** shall prepare the final account in consultation with the employer and issue the **final account,** to the **contractor** within sixty (60) **working days** of the date of **practical completion.**
26.12	Refer to clause 6.7 [CD].
27.1. 2	Replace 27.1.2 with the following: Interest due to late payment only.
27.1.4	Replace 27.1.4 with the following: Interest due to late payment only.
27.1.5	No clause.
27.5	Add the following as clause 27.5: Where the employer decides to recover an amount due in terms of 27.2 from a construction guarantee, cash deposit or retention money held as security, the employer shall issue a written demand to the contractor before recovering the amount. Should such amount not be paid to the employer within fourteen (14) calendar days of the date-of notice by the employer, the employer may recover such an amount from the security.

27.6	Add the following as clause 27.6: Where a provisional sequestration or provisional liquidation order has been granted or where an order has been granted which commences sequestration, liquidation, bankruptcy, receivership, winding-up or any similar effect, against the contractor or this agreement is cancelled in terms of 29, the employer may issue a demand to the guarantor in terms of the construction guarantee or advance payment guarantee held as security.
28.0	No clause.
28.1	No clause.
28.1.1	No clause.
28.1.2	No clause.
28.1.3	No clause.
28.1.4	No clause.
28.1.5	No clause.
28.2	No clause.
28.3	No clause.
28.4	No clause.
29.1.4	Add the following as clause 29.1.4: The **contractor**'s estate has been sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa.
29.1.5	Add the following as clause 29.1.5: The **contractor** has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
29.1.6	Add the following as clause 29.1.6: Honour his obligations in terms of clauses 10.1.5.1.3, 11.4.1 and 12.2. sub-clauses 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 19, 20, 22.
29.7	Replace clause 29.7 with the following: The employer, on notice to the contractor, may recover damages from the contractor from the date of termination including, but not limited to, additional costs incurred in the completion, consultant cost, rental of alternative accommodation, invitation of completion tenders, salaries of officials and safeguarding the site, of the remaining work [25.3.7; 27.1.3].
29.9	Replace clause 29.9 with the following: The **employer** has the right of recovery against the **contractor,** where applicable, [CD] from: The guarantee for construction (variable) until the final payment has been made; **or** The guarantee for construction (fixed) until the date of practical completion**;** **or** The payment reduction until the final payment is made; **or** The cash deposit made as security until the final payment is made.
29.14.1	No clause.
29.14.3	No clause.

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29.14.4	No clause.
29.14.5	No clause.
29.14.6	No clause.
29.14.7	No clause.
29.15	No clause.
29.16	No clause.
29.17.3	No clause.
29.17.6	No clause.
29.21.5	No clause.
29.22	No clause.
29.23	No clause.
29.25.3	No clause.
29.25.4	No clause.
29.27	No clause.
30.2	Replace clause 30.2 with the following: Where such disagreement is not resolved within ten (10) working days of receipt of such notice it shall be deemed to be a dispute and shall be submitted to Mediation as a first method of dispute resolution failing which the parties will resort to Litigation.
30.3 to 30.7.7	No clauses.
30.8	Replace clause 30.8 with the following: The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event:
30.8.1	No clause.
30.8.2	Replace clause 30.8.2 with the following: The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties.
30.8.3	Replace clause 30.8.3 with the following: Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses.
30.9	Replace clause 30.9 with the following: Institution of Litigation shall be commenced and process served within three (3) year from the date of existence of the dispute, failing which the dispute shall lapse.
30.10	No clause.
30.12	No clause.

B 19.0 CONTRACT PARTICIPATION GOAL TARGETS AND CIDB B.U.I.L.D. PROGRAMME

The contractor shall achieve in the performance of the contract the following Contract Participation Goals (CPGs) as described in PG-01.2 (EC): Scope of Work and PG-02.2 (EC): Pricing Assumptions and in accordance with the feasibility study, which forms part of the specifications in the CPG Section of the Specification of this contract.

(a)	Minimum Targeted Local Manufacturers of Material Contract Participation Goal, in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	***Not applicable***
(b)	Minimum Targeted Local Building Material Suppliers Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	***Not applicable***
(c)	Minimum Targeted Local Labour Skills Development Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	***Not applicable***
(d)	**cidb BUILD Programme:** Minimum Targeted Enterprise Development Contract Participation Goal in accordance with the cidb Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts, No 36190 Government Gazette, 25 February 2013, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	***Not applicable***
(e)	**cidb BUILD Programme:** Minimum Targeted Contract Skills Development Goal in accordance with the cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 48491 of 28 April 2023. and the cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	***Not applicable***
(f)	DPWI National Youth Service training and development programme (NYS) – Condition of Contract.	***Not applicable***
(g)	Labour Intensive Works – Condition of Contract.	***Not applicable***
(h)		***Select***
(i)		***Select***

PART 2: CONTRACT DATA COMPLETED BY THE TENDERER:

C TENDERER'S SELECTIONS

C 1.0 Securities [11.0]

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

In respect of contracts with a contract sum more than R1 million, the security to be provided by the contractor to the employer will be selected by the Contractor as indicated below:

Guarantee for construction: Select Option A, B, C, D or E

Option A	cash deposit of 10 % of the contract sum (excluding VAT)
Option B	variable construction guarantee of 10 % of the contract sum (excluding VAT) (DPW-10.3 EC)
Option C	payment reduction of 10% of the value certified in the payment certificate (excluding VAT)
Option D	cash deposit of 5% of the contract sum (excluding. VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding. VAT)
Option E	fixed construction guarantee of 5% of the contract sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT) (DPW-10.1 EC)]

NB: Insurances submitted must be issued by either an insurance company duly registered in terms of the Insurance Act [Long-Term Insurance Act, 1998 (Act 52 of 1998) or Short-Term Insurance Act, 1998 (Act 53 of 1998)] or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.

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

Tender / Quotation no: CPT1004/25

C 2.0 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 take into account the rate of progress of the **works**

Lump sum contract

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

C 3.0 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**

Tender / Quotation no: CPT1004/25

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.

C1.3 Form of Guarantee

DPW-10.1 (EC): FIXED CONSTRUCTION GUARANTEE - JBCC 2000 PRINCIPAL BUILDING AGREEMENT (EDITION 6.2 OF MAY 2018)

Director-General
Department of Public Works and Infrastructure
Government of the Republic of South Africa

FOR ATTENTION

The Director General
Private Bag X9027
Cape Town
8000

Sir,

FIXED CONSTRUCTION GUARANTEE FOR THE EXECUTION OF A CONTRACT IN TERMS OF JBCC 2000 (EDITION 6.2 OF MAY 2018)

1. With reference to the contract between _____

_____ _____(hereinafter referred to as the "**contractor**") and the Government of the Republic of South Africa in its Department of Public Works and Infrastructure (hereinafter referred to as the "**employer**"), Contract/Tender No: CPT1004/25, for the CAPE TOWN: PARLIAMENTARY PRECINCT: UPGRADING AND RECONFIGURATION OF VARIOUS KITCHENS INCLUDING REPLACEMENT OF EQUIPMENT AND ASSOCIATED WORKS (hereinafter referred to as the "contract") in the amount of R ***insert amount*****, (*****insert amount in words*****),** (hereinafter referred to as the **contract sum**)**,**

I / We, _____

in my/our capacity as _____and hereby

representing _____ (hereinafter referred to as the "**guarantor**") advise that the **guarantor** holds at the **employer's** disposal the sum of R ***insert amount*****, (*****insert amount in words*****)** being 5**%** of the **contract sum** (excluding VAT), for the due fulfillment of the contract.

2. The **guarantor** hereby renounces the benefits of the exceptions *non numeratae pecunia; non causa debiti; excussionis et divisionis;* and *de duobus vel pluribus reis debendi* which could be pleaded against the enforcement of this guarantee, with the meaning and effect whereof I/we declare myself/ourselves to be conversant, and undertake to pay the **employer** the amount guaranteed, on receipt of a written demand from the **employer** to do so, stating that the **employer** has a right of recovery against the **contractor** in terms of 33.0 of the contract.

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

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

Tender no: ***(Insert Tender Number)***

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

6. The **guarantor** reserves the right to withdraw from this guarantee at any time by depositing the guaranteed amount with the **employer**, whereupon the guarantor's liability ceases.

7. This guarantee is neither negotiable nor transferable, and

   (a) must be surrendered to the **guarantor** at the time when the **employer** accounts to the **guarantor** in terms of clause 4 above, or
   (b) shall lapse on the date of the last **certificate of practical completion**.

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

SIGNED AT _____ **ON THIS** _____ **DAY OF**

_____ **20**__

AS WITNESS

1. _____

2. _____

_____

By and on behalf of

_____

_____

_____

(insert the name and physical address of the guarantor)

NAME: _____

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

DATE: _____

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

B. **The physical address of the guarantor must be clearly indicated and will be regarded as the guarantor's *domicilium citandi et executandi*, for all purposes arising from this guarantee.**

C. **This GUARANTEE must be returned to:** _____

_____

DPW-10.3 (EC): VARIABLE CONSTRUCTION GUARANTEE - JBCC 2000 PRINCIPAL BUILDING AGREEMENT (EDITION 6.2 OF MAY 2018)

Director-General
Department of Public Works and Infrastructure
Government of the Republic of South Africa

FOR ATTENTION

The Director General
Private Bag ***X9027***
Cape Town
8000

Sir,

VARIABLE CONSTRUCTION GUARANTEE FOR THE EXECUTION OF A CONTRACT IN TERMS OF JBCC 2000 (EDITION 6.2 OF MAY 2018)

1. With reference to the contract between _____

   _____ _____(hereinafter referred to as the "**contractor"**) and the Government of the Republic of South Africa, in its Department of Public Works and Infrastructure, (hereinafter referred to as the "**employer**"), Contract/Tender No: ***CPT 1004/25***, for the ***CAPE TOWN: PARLIAMENTARY PRECINCT: UPGRADING AND RECONFIGURATION OF VARIOUS KITCHENS INCLUDING REPLACEMENT OF EQUIPMENT AND ASSOCIATED WORKS*** (hereinafter referred to as the **"contract"** in the amount of R ***insert amount*****, (*****insert amount in words*****)** (hereinafter referred as the **contract sum),**

   I / We, _____

   in my/our capacity as _____and hereby

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

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

   (a) From and including the date on which this guarantee is issued and up to and including the date of payment of the amount in the last final **payment certificate**, the **guarantor** will be liable in terms of this guarantee to the maximum amount of 10% of the **contract sum** (excluding VAT);

   (b) The **guarantor's** liability shall reduce to 3 % of the **contract value** (excluding VAT) as determined at the date of the last **certificate of practical completion**, subject to such amount not exceeding 10% of the **contract sum** (excluding VAT).

   (c) The **guarantor's** liability shall reduce to 1 % of the **contract value** (excluding VAT) as determined at the date of the last **certificate of final completion**, subject to such amount not exceeding 10 % of the **contract sum** (excluding VAT).

   (d) This guarantee shall expire on the date of the last **final payment certificate**.

   (e) The **practical completion certificate** and the **final completion certificate** referred to in this guarantee shall mean the certificates issued in terms of the contract.

Tender no: *CPT 1001/24*

3. The **guarantor** hereby renounces the benefits of the exceptions *non numeratae pecunia; non causa debiti; excussionis et divisionis;* and *de duobus vel pluribus reis debendi* which could be pleaded against the enforcement of this guarantee, with the meaning and effect whereof I/we declare myself/ourselves to be conversant, and undertake to pay the **employer** the amount guaranteed on receipt of a written demand from the **employer** to do so, stating that the **employer** has a right of recovery against the **contractor** in terms of 33.0 of the contract.

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

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

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

7. The **guarantor** reserves the right to withdraw from this guarantee at any time by depositing the amount guaranteed with the **employer**, whereupon the **guarantor's** liability ceases.

8. This guarantee is neither negotiable nor transferable, and

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

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

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

SIGNED AT _____ ON THIS _____ DAY OF _____ 20__

AS WITNESS

1. _____

2. _____

Tender no: ***CPT 1001/24***

By and on behalf of

_____

_____

_____

(insert the name and physical address of the guarantor)

NAME: _____

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

DATE: _____

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

B. **The physical address of the guarantor must be clearly indicated and will be regarded as the guarantor's *domicilium citandi et executandi*, for all purposes arising from this guarantee.**

C. **This guarantee must be returned to:** _____

_____

_____

Part C2: Pricing Data

C2.1 Pricing Instructions

PG-02.2 (EC) PRICING ASSUMPTIONS - JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018)

Project title:	CAPE TOWN: PARLIAMENTARY PRECINCT: UPGRADING AND RECONFIGURATION OF VARIOUS KITCHENS INCLUDING REPLACEMENT OF EQUIPMENT AND ASSOCIATED WORKS				
Tender / Quotation no:	*CPT1004/25*	**WCS no:**		**Reference no:**	*3/12/20/2/24*

C2.1 Pricing Assumptions

C2.1.1 BILLS OF QUANTITIES / LUMP SUM DOCUMENT

The **bills of quantities / lump sum document** forms part of and must be read and priced in conjunction with all the other documents forming part of the **contract documents**, the Standard Conditions of Tender, Conditions of Contract, Specifications, Drawings and all other relevant documentation.

The prices and rates to be inserted by the Tenderer in the Bill of Quantities shall be the full inclusive prices to be paid by the Employer for the work described under the several items, and shall include full compensation for all cost and expenses that may be required in and for the completion and maintenance during the defects liability period of all the work described and as shown on the drawings as well as all overheads, profits, incidentals and the cost of all general risks, liabilities and obligations set forth or implied in the documents on which the Tender is based.

Each item shall be priced and extended to the “Total’ column by the Tenderer, with the exception of the items for which only rates are required, or items which already have Prime Cost or Provisional Sums affixed thereto. If the Contractor omits to price any items in the Bill of Quantities, then these items will be considered to have a nil rate or price.

No alterations, erasures, omissions or additions is to be made in the text and/or conditions of these Bills of Quantities. Should any such alterations, amendments, note/s or addition be made, the same will not be recognized, but reading of these Bills of Quantities as originally prepared by the Quantity Surveyor will be adhered to.

The contractor is cautioned that the use of any quantities appearing in these Bills of Quantities for the purpose of ordering material, it is done at own risk and no liability whatsoever will be admitted by the Employer or Quantity Surveyor for the correctness of such Quantities. Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance is made for waste.

The prices and rates to be inserted by the Tenderer in the Bills of Quantities shall be the full inclusive prices to be paid by the Employer for the work described. Such prices and rates shall cover all costs and expenses that may be required in and for the execution of the work described, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents on which the tender is based, as well as overhead charges and profit. Market related prices shall be inserted as these will be used as a basis for assessment of payment for additional work that may have to be carried out. The Employer reserves the right to balance the Bill rates where deemed necessary within the Tendered Amount.

A price or rate is to be entered against each item in the Bills of Quantities, whether the quantities are stated or not. An item against which no rate is/are entered, or if anything other than a rate or a nil rate (for example, a zero, a dash or the word “included” or abbreviations thereof) is entered against an item, it will also be regarded as a nil rate having been entered against that item, i.e. that there is no charge for that item. The Tenderer may be requested to clarify nil rates, or items regarded as having nil rates; and the Employer may also perform a risk analysis with regard to the reasonableness of such rates.

Should the full intent and meaning of any description not be clear, the bidder shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of National Best Practice.

All items for which terminology such as “inclusive” or “not applicable” have been added by the Tenderer will be regarded as having a nil rate which shall be valid irrespective of any change in quantities during the execution of the Contract.

The Tenderer is required to check the Bills of Quantities and the numbers of the pages and should any be found to be missing or in duplicate, or should any of the typing be indistinct, or any doubt of obscurity arise as to the meaning of any description or particulars of any item, or if this Tender Enquiry contains any obvious errors, then the Tenderer must immediately inform the Principal Agent and have them rectified or explained in writing as the case may be. No liability whatsoever will be admitted by reason of the Contractor having failed to comply with the foregoing instruction.

The contractor is cautioned that the use of any quantities appearing in these Bills of Quantities for the purpose of ordering material, it is done at own risk and no liability whatsoever will be admitted by the Employer or Quantity Surveyor for the correctness of such Quantities. Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance is made for waste.

No alterations, erasures, omissions, or additions are allowed to be made to the text and/or conditions contained in these Bills of Quantities. If any such alteration, amendment, note or addition is made, it will not be recognised and the Bills of Quantities will be deemed to be as originally drawn up by the Quantity Surveyor.

A price or rate is to be entered against each item in the Bills of Quantities, whether the quantities are stated or not. An item against which no rate is/are entered, or if anything other than a rate or a nil rate (for example, a zero, a dash or the word “included” or abbreviations thereof) is entered against an item, it will also be regarded as a nil rate having been entered against that item, i.e. that there is no charge for that item. The Tenderer may be requested to clarify nil rates, or items regarded as having nil rates; and the Employer may also perform a risk analysis with regard to the reasonableness of such rates.

All items for which terminology such as “inclusive” or “not applicable” have been added by the Tenderer will be regarded as having a nil rate which shall be valid irrespective of any change in quantities during the execution of the Contract.

The Tenderer shall fill in rates for all items where the words “rate only’ appear in the “Total” column. “Rate Only” items have been included where:

(a) variations of specified components in the make-up of a pay item may be expected; and
(b) no work under the item is foreseen at tender stage but the possibility that such work may be required is not excluded.

For ‘Rate Only” items no quantities are given in the “Quantity” column but the quoted rate shall apply in the event of work under this item being required. The Tenderer shall however note that in terms of the Tender Data the Tenderer may be asked to reconsider any such rates which the Employer may regard as unbalanced.

Descriptions in the Bills of Quantities are abbreviated and comply generally with those in the “PW 371” and the principles contained in the latest version of the Standard System for Measuring Builders’ Work in South Africa. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the bidder shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of National Best Practice.

The price quoted against each item of this Bills of Quantities shall cover the full inclusive cost of the complete work to which it refers, as described in the Conditions of Contract and Specifications and as shown on the Drawings and shall allow for labour, material, transporting, loading, storage, supervision, commissioning, wastage, as well as the builders profit and attendance.

The Tenderer must ensure that he fully completes all columns of the Bill of Quantities including the Final Summary. The fully priced bill of quantities must be submitted with the tender or The Final Summary and the Section Summary pages MUST be returned with the tender document as indicated the PA-03 Notice and Invitation to Tender / PA-04 Notice and Invitation for quotation.

The tenderers are to ensure that they have read and understood the project specifications included in C3: Scope of Work. All the information provided in the Scope of Works form part of the work and must be included in the rates.

"The Contractor shall be deemed to have inspected and examined the Site and its surroundings and information available in connection therewith and to have satisfied himself before submitting his tender (as far as is practicable) as to:

(a) the form and nature of the Site and its surroundings, including subsurface conditions,

(b) the hydrological and climatic conditions,

(c) the extent and nature of work and materials necessary for the execution and completion of the Works,

(d) the means of access to the Site and the accommodation he may require

and, in general, shall be deemed to have obtained all information (as far as is practicable) as to risks, contingencies and all other circumstances which may influence or affect his Tender"

C2.1.2 VALUE ADDED TAX

The contract sum must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the bills of quantities / lump sum document shall be in Rands and cents and shall include all levies and taxes (other than VAT). VAT will be added in the summary of the Bill of Quantities. The rates must however be net (exclusive of VAT) with VAT calculated and added to the total value thereof in the Final Summary. All rates and amounts quoted in the Bill of Quantities

C2.1.3 CORRECTION OF ENTRIES

Incorrect entries shall not be erased or obliterated with correction fluid but must be crossed out neatly. The correct figures must be entered above or adjacent to the deleted entry, and the alteration must be initialled by the Tenderer.

C2.1.4 ARITHMETICAL ERRORS

Arithmetical errors found in the Bill of Quantities as a result of faulty multiplication of addition, will be corrected by the Engineer at the tender evaluation stage, as set out in the Tender Data.

C2.1.5 TRADE NAMES

Tenderers attention is drawn to the fact that wherever trade names or references to any catalogue have been made in these Bills of Quantities, it is purely to establish a standard for the required material. If use is made of any other equally approved material in lieu of the prescribed trade name or catalogue, the necessary price adjustments will be made.

C2.1.6 CONTRACT DOCUMENTS

The Tenderers are advised to examine the bills of quantities, drawings and specifications including all other contract documents and make themselves thoroughly acquainted with the nature and requirements of the work, as no claim for extra payment in this regard will be entertained. Should any parts of the drawings not be clearly intelligible to the Tender, he must, before submitting his tender, obtain clarification from the Principal Agent.

C2.1.7 FIXED PRICE CONTRACT

Tenderers are to take note that contract price adjustments **are not applicable** to this contract. Tenderers should therefore make provision in the **contract sum**, schedule of rates, etc., for possible price increases during the contract period, as no claims in this regard shall be entertained.

C2.1.8 PAYMENTS

Interim valuations and payments will be prepared on a monthly basis, all in terms of the conditions of contract.

The contractor is to note that no payment will be made for materials stored off site and in the case of materials being stored on site, payment will only be made for such materials on condition that they have not been delivered to the site prematurely, a tax invoice and proof of payment (ownership) is submitted by the Contractor.

C2.1.9 ACCOMMODATION ON SITE

It is imperative to note that no living quarters for construction workers on site will not be permitted for the full duration of the contract unless otherwise stated in the contract data or permission be granted by the Employer.

C2.1.10 SUBMISSION OF LOCAL MATERIAL UTILISATION REPORT (LOCAL CONTENT)

Submission of Local Material Utilisation Reports is not *applicable* to this project.

Bidders to note that materials procured for the works should be from South African manufactures and suppliers. Imported materials shall only be considered under exceptional circumstances, based on compelling technical justifications, and subject to the approval by the NDPWI.

The contractor shall be responsible for record keeping, documenting and submission of monthly local material utilization report with supporting documentation to the Employer's representative within 7 working days of the beginning of the successive month, indicating the percentage targets achieved in terms of DTI&C designated industry/sector/sub-sector schedule as per the PA36 and Annexures C attached to the tender document. The final percentage achievement to be reconciled upon completion of the project and form part of the final account. Allowance must be made for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

C2.1.11 CONTRACT PARTICIPATION GOALS

The contractor shall achieve in the performance of this contract the following Contract Participation Goals (CPGs) as indicated below:

Prescribed Profit and Attendance percentages have been stipulated, all inclusive of associated costs to the contractor for implementation and allowance for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

Monthly progressive reports to be submitted to the Employer's representative indicating the percentage targets achieved which must be reconciled upon completion of the project and to form part of the final account.

C2.1.11.1 MINIMUM TARGETED LOCAL BUILDING MATERIAL MANUFACTURERS CONTRACT PARTICIPATION GOAL

The Minimum Targeted Local Building Material Manufacturers CPG is not *applicable* to this project.

Provision is made within the Contract Participation Goal section in the Bill of Quantities for the Minimum Targeted Local Building Material Manufacturers CPG in the execution of this project as described in PG-01.2 (EC) SCOPE OF WORKS C3.6.1. Prescribed Profit and Attendance percentages have been stipulated, all inclusive of associated costs to the contractor for implementation and allowance for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

C2.1.11.2 MINIMUM TARGETED LOCAL BUILDING MATERIAL SUPPLIERS CONTRACT PARTICIPATION GOAL

The Minimum Targeted Local Building Material Suppliers CPG is not *applicable* to this project.

Provision is made within the Contract Participation Goal section in the Bill of Quantities for the Minimum Targeted Local Building Material Suppliers CPG in the execution of this project as described in PG-01.2 (EC) SCOPE OF WORKS C3.6.2. Prescribed Profit and Attendance percentages have been stipulated, all inclusive of associated costs to the contractor for implementation and allowance for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

C2.1.11.3 MINIMUM TARGETED LOCAL LABOUR CONTRACT PARTICIPATION GOAL

The Minimum Targeted Local Labour Skills Development CPG is *not applicable* to this project.

Provision is made within the Contract Participation Goal section in the Bill of Quantities for the Minimum Targeted Local Labour CPG in the execution of this project as described in PG-01.2 (EC) SCOPE OF WORKS C3.6.3. Prescribed Profit and Attendance percentages have been stipulated, all inclusive of associated costs to the contractor for implementation and allowance for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

C2.1.11.4 MINIMUM TARGETED ENTERPRISE DEVELOPMENT CONTRACT PARTICIPATION GOAL

The Minimum Targeted Enterprise Development Contract Participation Goal is *not applicable* to this project.

A provisional amount has been allowed for within the Contract Participation Goal section in the Bill of Quantities for the Minimum Targeted Enterprise Development CPG in the execution of this project as described in PG-01.2 (EC) SCOPE OF WORKS C3.6.4. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises. The provisional amount will be adjusted in accordance with the actual Contract Amount (Awarded tender amount excluding allowance, provisional amounts and VAT) of the awarded bid.

Prescribed Profit and Attendance percentages have been stipulated, all inclusive of associated costs to the contractor for implementation and allowance for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

The contractor shall complete a separate bill of quantities upon the award of the project and identification of the respective beneficiaries and the appointment of the training coordinator, mentor, training service providers of which the cost will be offset against the provisional amount allowed in the Bills of Quantities.

C2.1.11.5 MINIMUM TARGETED TARGETED CONTRACT SKILLS DEVELOPMENT GOALS (CSDG)

The Minimum Targeted Contract Skills Development CPG is *not applicable t*o this project.

A provisional amount has been allowed for within the Contract Participation Goal section in the Bill of Quantities for the Minimum Targeted Skills Development CPG in the execution of this project as described in PG-01.2 (EC) SCOPE OF WORKS C3.6.5. The provisional amount allowed is for:

- stipends payable to the beneficiaries
- appointment of training coordinator
- appointment of mentor (where applicable)
- appointment of training service providers
- other additional costs as per Table 3 of the Standard

The provisional amount will be adjusted in accordance with the actual Contract Amount (Awarded tender amount excluding allowance, provisional amounts and VAT) of the awarded bid.

Prescribed Profit and Attendance percentages have been stipulated, all inclusive of associated costs to the contractor for implementation and allowance for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

The contractor shall complete a separate bill of quantities upon the award of the project and identification of the respective beneficiaries. The CPG value to be achieved will be based on the actual contract amount which will be offset against the provisional amount allowed for within the Contract Participation Goal section in the Bill of Quantities.

Payment

The contractor shall upon the appointment of beneficiaries, provide a breakdown of all the associated costs. The contractor shall provide a payment schedule as to how the CPG costs will be claimed against for inclusion in the monthly payment certificates.

(a) <u>Payment to the contractor to accommodate Part/Full Occupational qualification and Trade qualifications;</u>

Should the contractor select Part/Full Occupational qualification and Trade qualifications learners, then the employer shall make provision for payment to the contractor as indicated in Table 3 of the Standard.

The contract skills participation goal, expressed in Rand, shall not be less than the contract amount multiplied by a percentage (%) factor given in Table 2 in the Standard for the applicable class of construction works. Should the contractor select Part/Full Occupational qualification and Trade qualifications learners, then the employer shall make provision for payment to the contractor as indicated in Table 2 of the Standard.

Table 2: Contracting skills development goals for different classes of engineering and construction works contracts
Source: cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No 48491 Government Gazette, 23 April 2023 (Table 2, Page 7)

Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004		**Construction skills development goal (CSDG) (%)**
Designation	**Description**	
CE	Civil Engineering	0.25
CE and GB	Civil engineering and General Building	0.375
EE	Electrical Engineering works (buildings)	0.25
EP	Electrical Engineering works (infrastructure)	0.25
GB	General Building	0.5
ME	Mechanical Engineering works	0.25
SB	Specialist	0.25

No provision for an additional payment item for the payment of the supervisor and/or mentors for the provision of training as provided for in the Contract Participation Goal section in the Bill of Quantities for the training of part/full time occupational learners and/or trade qualification learners. The associated cost is deemed to be included in general supervision on site.

The contractor shall complete a separate bill of quantities upon award, indicating the type and number of beneficiaries as well as the associated Notional Cost of Training to be provided, on which payment will be based.

(b) Payment to the contractor to accommodate Work Integrated Learners and Candidates for professional registration;

Should the contractor select Work Integrated Learners and/or Candidates for professional registration, then the employer shall make provision for payment to the contractor as indicated in Table 3 of the Standard.

Provisional amounts have been included in the Contract Participation Goal section in the Bill of Quantities for the training of Work Integrated Learners and Candidates for professional registration. The contractor shall price his Profit and Attendance (all inclusive of associated costs to the contractor for implementation and reporting), based on the provisional amount in the Contract Participation Goal section in the Bill of Quantities.

The contractor shall complete a separate bill of quantities upon award, indicating the type and number of beneficiaries as well as the associated Notional Cost of Training to be provided, on which payment will be based.

The CPG value to be achieved will be based on the contract amount as defined by the Standard, which will be offset against the provisional amount allowed for within the Contract Participation Goal section in the Bill of Quantities.

The contractor shall apportion the cost of accommodating work integrated learners (P1 and P2 learners) and candidates for professional registration by using Table 3 in the Standard and this cost will be used to determine the Rand value and will be used in determining the contract participation goal in the Bills of Quantities.

Table 3: The notional cost pf providing training opportunities per quarter
Source: cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No 48491 Government Gazette, 23 April 2023 (table 3, Page 9)

Type of Training Opportunity	Provision for stipends (Unemployed learners only)	Provisions for mentorship	Provisions for additional costs*	Total costs	
				Unemployed learners	Employed learners
Method 1					
Occupational qualification	**R7 000**	**R0**	**R9 000**	**R16 000**	**R9 000**
Method 2					
TVET College graduates	**R14 000**	**R0**	**R9 000**	**R23 000**	**N/A**
Apprenticeship	**R14 000**	**R0**	**R12 000**	**R26 000**	**R12 000**
Method 3					
P1 and P2 learners	**R24 000**	**R20 000**	**R4 500**	**R48 500**	**N/A**
Method 4					
Candidates with a 3 year diploma	**R37 000**	**R20 000**	**R4 500**	**R61 500**	**R20 000**
Candidates with 4 year qualification	**R47 000**	**R20 000**	**R4 500**	**R71 500**	**R20 000**

Note: The notional cost of providing training opportunities will increase by CPI on an annual basis based on April CPI. Should the rates increase after bid award or during construction the rates will be adjusted as a provisional item.

Example: Training Target Calculation for a R65,7m GB contract
Contract amount R65 700 000
Contract duration 12 Months
CSDG 0,50%
Minimum CSDG target 0,50% x R65 700 000 = R328 500 (Minimum requirement)

Skills Types	Number of learners	Notional Cost / Learner / Quarter	Notional cost/learner/year	Total Notional Cost over 12 months Contract
Method 2: Workplace learning opportunities, with unemployed TVET graduates	1	R23 000	R92 000	R92 000
Method 3: Candidacy for an unemployed learner with a 3-year qualification	1	R61 500	R246 000	R246 000
Total	2			R338 000

C2.1.11.6 NATIONAL YOUTH SERVICE TRAINING AND DEVELOPMENT PROGRAMME

The National Youth Service Training and Development Programme is *not applicable to this* project.

The programme shall be implemented in terms of the Implementation of the National Youth Service Programme under the Expanded Public Works (EPWP) and shall be priced in the CPG section of the Bills of Quantities.

Provision has been made within the Contract Participation Goal section in the Bill of Quantities for the National Youth Service Training and Development Programme CPG in the execution of this project as described in PG-01.2 (EC) SCOPE OF WORKS C3.6.6.

Prescribed Profit and Attendance percentages have been stipulated, all inclusive of associated costs to the contractor for implementation and allowance for submitting reports to the Employer's

Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

C2.1.11.7 LABOUR-INTENSIVE WORKS

Labour Intensive Works is *not applicable* to this project.

Where labour intensive work is specified in the Bill of Qualities and indicated by "LI" the contractor must price for and include in rates. Contractors are expected to use their initiative to identify additional activities that can be done labour-intensively to comply with the set minimum labour intensity target. Provision has been made within the Contract Participation Goal section in the Bill of Quantities for the monthly reporting illustrating the value of the works executed under Labour Intensive Works CPG in the execution of this project as described in PG-01.2 (EC) SCOPE OF WORKS C3.6.7 and any other supplementary specifications.

Prescribed Profit and Attendance percentages have been stipulated, all inclusive of associated costs to the contractor for implementation and allowance for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

C2.2 Submission of Accrual Reports

The Contractor shall submit accrual reports to the client representative at the end of March and September each year for the duration of the Service Contract period from the date of appointment up to and including project closeout. This is to ensure that PMTE complies with the accounting framework GRAP, which requires that PMTE disclose all its accruals as at the end of each reporting date. Allowance must be made for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

Preliminaries

CAPE TOWN : PARLIAMENTARY PRECINCT
UPGRADING AND CONFIGURATION OF VARIOUS KITCHENS

Item No		Quantity	Rate	Amount

SECTION 1 - PRELIMINARIES

BILL No. 1

PRELIMINARIES

MEANING OF TERMS "TENDER / TENDERER"

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

BUILDING AGREEMENT AND PRELIMINARIES

The **JBCC** Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described to be read in conjunction with the **Contract Data** issued with the tender.

The **JBCC** General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the **JBCC** Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these **bills of quantities** / lump sum document, amended as hereinafter described

The **contractor** is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause

The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only

Where any item is not relevant to this **agreement** such item is marked N/A signifying "not applicable"

Carried to Collection R

Preliminaries

Where standard clauses or alternatives are not entirely applicable to this **agreement** such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents

TENDERER'S SELECTIONS

Before submission of his tender the **contractor** is to complete the tenderer's selections in the **contract data for organs of state and other public sector bodies**

STRUCTURE OF THIS PRELIMINARIES BILL

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

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

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

PRICING OF PRELIMINARIES

Should the **contractor** select Option A in the **contract data for organs of state and other public sector bodies** for the adjustment of **preliminaries**, the amounts entered against the relevant items in these **preliminaries** are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)

Carried to Collection R

Preliminaries

Tenderer's Note: before pricing the preliminaries cognisance to be taken of the information listed in the Contract Data DPW-04 (EC)

PRICING OF BILLS OF QUANTITIES

The **contractor** is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this **agreement**.

Items left unpriced will be deemed to be covered in prices against other items throughout these **bills of quantities** and no claim for any extras arising out of the **contractor's** omission to price any item will be entertained

Prices for all **construction equipment**, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary

VALUE ADDED TAX

Provision is made in the summary page of these **bills of quantities** / lump sum document for the inclusion of Value Added Tax (VAT)

SECTION A: PRINCIPAL BUILDING AGREEMENT

INTERPRETATION

Carried to Collection R

Preliminaries

A1.0 DEFINITIONS AND INTERPRETATION

Clause 1.0

The following definitions replace corresponding definitions or are added to the definitions in the JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018), whatever the case may be

ADVERSE WEATHER CONDITIONS: Adverse weather and inclement weather has the same meaning and used interchangeably and means any weather conditions i.e.: Rain, wind, snow, frost, temperature (cold or heat) that are not in the norm for the area where the construction takes place and during which no work is possible on site

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

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

CONTRACT PERIOD: The period commencing on the date of the letter of acceptance and ending on the date of final completion

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Preliminaries

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

DEFAULT INTEREST: No Clause

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

INTEREST: The interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999) as amended, calculated as simple interest, in respect of debts owing to the State, and will be the rate as published by the Minister of Justice and Correctional Services from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975) as amended, calculated as simple interest, in respect of debts owing by the State

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

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

Carried to Collection R

Preliminaries

	PRINCIPAL AGENT: The person or entity appointed by the **employer** and named in the **contract data for organs of state and other public sector bodies**. In the event of a **principal agent** not being appointed, then all the duties and obligations of a **principal agent** as detailed in the agreement shall be fulfilled by the employer's representative as named in the **contract data for organs of state and other public sector bodies**			
1	**TARGETED SUBCONTRACTORS:** Subcontractors that must be appointed to a total of 30% or more of the contract sum, by the contractor, projects with a contract sum of the amount determined by the Minister in terms of the latest Preferential Procurement regulations, as may be amended from time to time.			
	F:.....V:.....T:.....	Item		
2	A2.0 **LAW, REGULATIONS AND NOTICES**			
	Clause 2.0			
	F:..... V:..... T:.....	Item		
3	A3.0 **OFFER AND ACCEPTANCE**			
	Replace Clause 3.3 with the following: This agreement shall come into force on the date of letter of acceptance and continue to be of force and effect until the end of the latent defects liability period [22.0] notwithstanding termination [29.0] or the certification of final completion [21.0] and final payment [25.0]			
	F:..... V:..... T:.....	Item		
	Carried to Collection		R	
	Preliminaries			

4	A4.0 **CESSION AND ASSIGNMENT** Clause 4.0 Ref Clause 6.7 [CD] - Clause 4.2 Replace Clause 4.3 with the following: Where a contractor cedes any right or any monies due to or to become due under this agreement as security in favour of a financial institution, the prior written consent of the employer, which consent shall not be unreasonably withheld, must be obtained F:..... V:..... T:.....	Item		
5	A5.0 **DOCUMENTS** Clause 5.0 Replace last sentence of Clause 5.2 with the following: The original signed agreement shall be held by the Employer Replace Clause 5.4 with the following: The Bills of Quantities shall not be used as a specification of material and goods or methods unless so instructed by the Principal Agent. The contractor may not use the Bills of Quantities for purpose of ordering material. All dimensions and quantities must be determined on site before ordering. In the event of discrepancy between the drawings and Bills of Quantity, the drawings shall take preference Replace Clause 5.5 with the following: The parties may publish or disclose on any platform only the contract scope and contract amount F:..... V:..... T:.....	Item		
	Carried to Collection		R	
	Preliminaries			

6	A6.0 **EMPLOYER'S AGENTS** Clause 6.0 **Replace Clause 6.5 with the following:** Where the principal agent and/or an agent fails to act or is unable to act or ceases to be the principal agent or an agent in terms of this agreement, the employer shall appoint another principal agent and/or an agent **Add the following as Clause 6.7:** In terms of the clauses listed hereunder, the employer has retained its authority and has not given a mandate to the principal agent, notwithstanding other provisions in the contract. The employer shall sign all documents in relation to clauses 4.2, 14.1.4, 14.4.1, 14.6, 15.1.4, , 15.4.1, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12 F:..... V:..... T:.....	Item		
7	A7.0 **DESIGN RESPONSIBILITY** Clause 7.0 **Replace first sentence of Clause 7.2 with the following:** Any design responsibility undertaken by a subcontractor shall not devolve on the contractor except for items that require specific component design and or compatibility design and or shop drawings and or the assembly thereof F:..... V:..... T:.....	Item		
	Carried to Collection Preliminaries		R	

	INSURANCES AND SECURITIES			
8	A8.0 **WORKS RISK** Clause 8.0 **Replace Clause 8.4 with the following:** The **contractor** shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the employer against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary F:..... V:..... T:.....	Item		
9	A9.0 **INDEMNITIES** Clause 9.0 **Add the following to the end of the first sentence of Clause 9.2.7:** "…. due to no fault of the contractor 9.2.9 No Clause 9.2.10 No Clause **Add the following as clause 9.3:** The employer's rights to claim damages for the contractor's omissions and actions will not be affected. F:..... V:..... T:.....	Item		
10	A10.0 **INSURANCES** Clause 10.0 **Replace Clause 10.1 with the following:** The party responsible shall effect and keep the			
	Carried to Collection		R	
	Preliminaries			

respective insurances [CD] in force, in favour of the employer as beneficiary , from the date of possession of the site until the issue of the certificate of practical completion and with an extension to cover the contractors obligations after the date of practical completion [8.2.2]

Add the following as Clause 10.1.5.1:
Hi Risk Insurance
In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply

Add the following as Clause 10.1.5.1.1 Damage to the works
The contractor shall, from the date of possession of the **site** until the date of the **certificate of practical completion**, bear the full risk of and hereby indemnifies and holds harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary

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

10.1.5.1.2 Injury to persons or loss of or damage to property
The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising

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Preliminaries

out of or caused by a catastrophic ground movement as mentioned above

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

10.1.5.1.3 Replace Clause with the following:
It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, **within twenty-one (21) calendar days of the date of letter of acceptance**, but before commencement of the **works**, submit to the **employer** proof of such insurance policy.

10.1.5.1.4 Replace Clause with the following:
The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the **contractor's** default of his obligations as set out in 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered one indivisible whole

10.2 Replace Clause with the following:
Where practical completion in sections is required [20.0), or where the works is for alterations and additions, the contractor shall effect and keep in force contract works insurance [10.1.1],

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	supplementary insurance [10.1.2], public liability insurance [10.1.3] and where applicable, removal of lateral support insurance [10.1.4] and other insurances [10.1.5) in favour of the employer as beneficiary 10.6 No Clause **Add the following as Clause 10.11** In the event that an insurer dispute the amount of the claim to be paid to the employer, the contractor shall be liable to the employer for the difference between the claim (as determined by the employers QS appointed on the project) made by the employer and the amount that the insurer is willing to pay				
	F:.....V:.....T:.....		Item		
11	A11.0 **SECURITIES** **Add the following as to the relevant related Clauses as follows:** **Add the following to Clause 11.1:** In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT). In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of C 1.0 Securities, as stated in the schedule. Such security shall be provided to the employer within fifteen (15) working days from commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within fifteen (15) working days from commencement date, the security in terms of C 1.0 Option C shall be deemed to have been selected.				
	Carried to Collection			R	
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The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5

11.1.1 No Clause

11.1.2 No Clause

11.2.2 No Clause

11.3 No Clause

Replace Clause 11.4.1 with the following:
Hand over the site to the contractor and withhold an amount equal to ten per cent (10%) of each interim payment certificate until practical completion is achieved. The value certified shall be subject to the adjustments in terms of 25.12.6 to 25.12.10.

11.5 No Clause

11.6 No Clause

11.7 No Clause

11.8 No Clause

11.9 No Clause

11.10 No Clause

Add the following as Clause 11.11:
Where the security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:

Add the following as Clause 11.11.1:
The contractor shall furnish the employer with a cash deposit equal in value to ten percent (10%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure to furnish the employer with a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.

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Add the following as Clause 11.11.2:
The employer shall be entitled to recover expense and loss from the cash deposit in terms of Clause 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor.

Add the following as Clause 11.11.3:
Within fifteen (15) working days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT) and refund the balance to the contractor

Add the following as Clause 11.11.4:
Within fifteen (15) working days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor.

Add the following as Clause 11.11.5:
On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor.

Add the following as Clause 11.11.6:
The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party.

Add the following as Clause 11.12:
Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:

Add the following as Clause 11.12.1:
The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within fifteen (15) working days after issuance of the letter of acceptance. Failure to submit an acceptable variable construction

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Preliminaries

guarantee within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.

Add the following as Clause 11.12.2:
The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender.

Add the following as Clause 11.12.3:
The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring.

Add the following as Clause 11.12.4:
Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall issue a written demand in terms of the variable construction guarantee.

Add the following as Clause 11.13:
Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:

Add the following as Clause 11.13.1:
The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT).

Add the following as Clause 11.13.2:
The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion.

Add the following as Clause 11.13.3:
The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring.

Add the following as Clause 11.13.4:
The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.

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Add the following as Clause 11.13.5:
Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or from both.

Add the following as Clause 11.14.1:
Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:

Add the following as Clause 11.14.2:
The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure to submit a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.

Add the following as Clause 11.14.3:
Within fifteen (15) working days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor.

Add the following as Clause 11.14.4:
The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.

Add the following as Clause 11.14.5:
Where the employer has a right of recovery against the contractor in terms of 27, the employer may recover from the payment reduction or cash deposit or from both.

Add the following as Clause 11.15:
Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected.

Add the following as Clause 11.15.1:
The payment reduction of the value certified in a

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Preliminaries

payment certificate shall be mutatis mutandis in terms of 25.12.6 to 25.12.10.

Add the following as Clause 11.15.2:
The employer shall be entitled to recover expense and loss from the cash deposit in terms of 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor.

Add the following as Clause 11.16:
Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement.

Add the following as Clause 11.17:
Should the contractor fail to furnish the security in terms of 11.2 the employer, in his sole discretion, and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT).

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

EXECUTION

12 A12.0 **OBLIGATIONS OF THE PARTIES**

Clause 12.0

12.1.1 No Clause

Replace Clause 12.1.5 with the following:
Give possession of the site to the contractor within ten (10) working days after approval of the Health and Safety Plan or the issue of a construction permit by the Department of Labour, if applicable, after the contractor complied with the terms of 12.2.22

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12.1.6 No Clause

12.1.8 No Clause

Replace Clause 12.2.2 with the following:
The priced Bills must be submitted to the Employer within fourteen (14) calendar days from date of request. Where the priced document contains errors or discrepancies and/or prices considered by the employer or principal agent to be imbalanced or unreasonable the employer or principal agent and the contractor shall adjust such prices without any change to the contract sum

Replace Clause 12.2.5 with the following:
Effect and keep in force insurances in favour of the employer as beneficiary where the contractor is responsible for providing insurances [10.0) [CD]

Replace Clause 12.2.13 with the following:
Designate a competent person full time on site to continuously administer and control the works on site and to receive and implement notices and contract instructions on behalf of the contractor

Add the following as Clause 12.2.22:
Within fourteen (14) working days of the date of the letter of acceptance submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

Add the following as Clause 12.2.23:
The contractor shall within reasonable time inform the agents regarding inspection of the works before covering / closing [B 12.0]

Offices

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

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	drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times [12.2.18] F:..... V:..... T:.....				
	Main notice board The **contractor** shall provide, erect where directed, maintain and remove on completion of the **works** a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering [12.2.18] F:..... V:..... T:.....		Item		
13	A13.0 **SETTING OUT** Clause 13.0 F:..... V:..... T:.....		Item		
	Carried to Collection			R	
	Preliminaries				

14	A14.0 **NOMINATED SUBCONTRACTORS** Clause 14.0 Ref Clause 6.7 [CD] - Clause 14.1.4 14.1.5 No Clause Replace "principal agent " with "employer" [6.7 [CD]] in Clause 14.4.1 Ref Clause 6.7 [CD] - Clause 14.6 F:..... V:..... T:.....	Item		
15	A15.0 **SELECTED SUBCONTRACTORS** Clause 15.0 Ref Clause 6.7 [CD] - Clause 15.1.4 & Clause 15.5 15.1.5 No Clause **Replace Clause 15.1.2 with the following:** The principal agent shall call for tenders from a list of tenderers agreed between the contractor and the employer Replace "principal agent " with "employer" [6.7 [CD]] in Clause 15.4.1 F:..... V:..... T:.....	Item		
16	A16.0 **DIRECT CONTRACTORS** Clause 16.0 F:..... V:..... T:.....	Item		
	Carried to Collection		R	
	Preliminaries			

17	A17.0 **CONTRACT INSTRUCTIONS** Clause 17.0 **Replace Clause 17.4 with the following:** The contractor shall comply with and duly execute all contract instructions except any contract instruction for additional work issued after the date of practical completion other than making good physical loss and repairing damage to the works in terms of 8.0 and 21 **Add the following clause as Clause 17.6:** Minutes of meetings shall not constitute a site instruction unless reduced to a written contract instruction issued by the principal agent in terms of this contract / agreement. F:..... V:..... T:.....		Item	
	COMPLETION			
18	A18.0 **INTERIM COMPLETION** Clause 18.0 F:..... V:..... T:.....		Item	
19	A19.0 **PRACTICAL COMPLETION** Clause 19.0 **Replace Clause 19.5 with the following:** On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section **Add the following as Clause 19.8:** **WORKS COMPLETION**			
	Carried to Collection			R
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(1) Within seven (7) calendar days of the date of practical completion the principal agent shall issue to the contractor a works completion list defining the outstanding work and defects apparent at the date of practical completion to be completed or rectified to achieve works completion.

(2) Where, in the opinion of the contractor, the works completion list has been completed the contractor shall notify the principal agent who shall inspect within seven (7) calendar days of receipt of such a notice. Where, in the opinion of the principal agent, the Works Completion list:

(2)(a) Has been satisfactorily completed, the principal agent shall forthwith issue a certificate of Works Completion to the contractor with a copy to the employer

(2)(b) Has not been satisfactorily completed, the principal agent shall forthwith identify the works completion list items that are not yet complete and inform the contractor thereof. The contractor shall repeat the procedure in terms of 19.8(2)

(3) Should the principal agent not issue a works completion list, in terms of 19.8 (1) or 19.8 (2)(b), within seven (7) calendar days from the end of the inspection period, the contractor shall notify the employer and principal agent. Should the principal agent not issue such Works Completion list within seven (7) calendar days of receipt of such notice, the employer may within seven (7) calendar days issue to the contractor a Works Completion list. Should the employer:

(3)(a) Not issue such works completion list within seven (7) calendar days, then the certificate of Works Completion shall be deemed to have been issued on the date of expiry of the initial notice period and works completion shall be deemed to have been achieved on such date

(3b) Issue a works completion list and the work on Works Completion list not have been completed or where further defects have become apparent, the

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	employer shall forthwith identify such items on the updated works completion list and notify the contractor. The contractor shall repeat the procedure in terms of 19.8(2)(b) until such items have been completed to the satisfaction of the employer (4) Should the works completion list not be completed to the satisfaction of the employer within a period of twenty one (21) working days of the issue first works completion list the contractor shall be liable to a daily penalty as described in B12.0 (5) The defects liability period in terms of 21.1 shall commence with the issue or deemed issue of the certificate of Works Completion in terms of 19.8(2)(a) or 19.8(3). F:..... V:..... T:.....	Item		
20	A20.0 **COMPLETION IN SECTIONS** Clause 20.0 F:..... V:.....T:.....	Item		
21	A21.0 **DEFECTS LIABILITY PERIOD AND FINAL COMPLETION** Clause 21.0 **Replace Clause 21.1 with the following:** The defects liability period for the works shall commence on the calendar day following the date of works completion and end at midnight (00:00) ninety (90) calendar days from the date of works completion [CD] or when work on the list for completion has been satisfactorily attended to [21.6), whichever is the later (if we use works completion) **Replace Clause 21.6 with the following:** On the expiry of the ninety (90) calendar days			
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defects liability period [21.1] for items not indicated as items with an extended liability as indicated in B14 and on receipt of the contractor's notice to the principal agent And/or On the expiry of the defects liability period as indicated in B14, for items indicated in B14 and on receipt of the contractor's notice to the principal agent, the principal agent shall: (1) inspect the works And within ten (10) working days either issue a list for final completion detailing all outstanding work or defects that must be attended to, or rectified to achieve final completion or (2) issue the certificate of final completion to the contractor with a copy to the employer for that part of the works where defects liability period has expired 21.6.1 Omit Clause 21.6.2 Omit Clause **Add the following as Clause 21.13:** The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect of the listed applicable elements in B14 **Add the following as Clause 21.14:** Penalties will be applied if the items on the completion list have not been attended to within a period of ninety (90) calendar days [21.1]. If additional defect items have being added to the list during this period, then the Principal Agent and Contractor will agree on a revised completion date. Failing in achieving the revised date will result in penalties being applied.[B12.0]				
F:..... V:.....T:.....		Item		
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22	A22.0 **LATENT DEFECTS LIABILITY PERIOD** Clause 22.0 22.3.2 No Clause F:..... V:.....T:.....	Item		
23	A23.0 **REVISION OF THE DATE FOR PRACTICAL COMPLETION** Clause 23.0 Ref Clause 6.7 [CD] - Clause 23.1 Ref Clause 6.7 [CD] - Clause 23.2 **Replace Clause 23.3 with the following:** Further circumstances that delays practical completion due to any other cause beyond the contractor's reasonable control that could not have reasonably been anticipated and provided for which the contractor may be entitled to a revision of the date for practical completion, with or without an adjustment of the contract value as determined by the Employer [6.7 CD] Ref Clause 6.7 [CD] - Clause 23.7 Ref Clause 6.7 [CD] - Clause 23.8 F:..... V:.....T:.....	Item		
	Carried to Collection		R	
	Preliminaries			

24 A24.0 **PENALTY FOR LATE OR NON-COMPLETION**

Clause 24.0

Replace Clause 24.1 with the following:
Where the contractor fails to bring the works, or a section thereof, to practical-, works-, or final-completion by the applicable completion date [CD], or the revised applicable completion date, the contractor shall be liable to the employer for the penalty [CD]

Replace Clause 24.2 with the following:
Where the employer elects to levy such penalty the employer, or the principal agent on instruction from the employer, shall give notice thereof to the contractor. The principal agent shall determine the penalty due from the later of the date for practical-works-, or final- completion [CD], or the revised date for practical- works-, or final- completion, up to and including the earlier of:

Replace Clause 24.2.1 with the following:
The actual or deemed date of practical- works-, or final- completion, of the works, or a section thereof [23.7.1]

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

Item

PAYMENT

25 A25.0 **PAYMENT**

Clause 25.0

Replace Clause 25.2 with the following:
The principal agent shall issue at regular agreed intervals [CD] payment certificates, to the contractor with a copy to the employer, up to and including practical completion. Interim Payment certificates may be issued to the contractor between practical completion and the final payment certificate. A payment certificate may be

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for a nil or negative amount

Add the following to Clause 25.3:

25.3.12 Monthly Local content report,

25.3.13 EPWP / NYS payment register, labour reports and certified ID document of EPWP/ NYS beneficiaries, Contract between Contractor and EPWP/ NYS beneficiaries, attendance register. (if applicable)

25.3.14 Tax Invoice

25.3.15 Labour intensive report

25.3.16 Contract participation goal reports

25.5 No Clause

Replace Clause 25.6 with the following:
Materials and goods will only be certified and paid for upon providing proof of full payment to the supplier and proof of transfer of ownership from the supplier to the contractor by the contractor. Once paid, material and goods shall become the property of the employer and shall not be removed from site without the written authority of the Employer.

25.7.5 No clause.

Replace Clause 25.10 with the following:
The employer shall pay the contractor the amount stipulated in an issued payment certificate, correct in all material respects, within thirty (30) calendar days from the date of receiving the payment certificate, invoice and all other substantiating documentation for items certified in the payment certificate

Replace Clauses 25.12 to 25.12.3 with the following:
The value certified shall be subject to the following percentage adjustments :

(Clauses 25.12.1 to 25.12.5 shall be applicable to a

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contract sum up to R1 million. In the event of a contract sum more than R1 million for Options D & E (C 1.0 Securities [11.0]) Clauses 25.12.1 to 25.12.5 shall be applicable)

25.12.1 Where a security is selected in terms of C 1.0 Securities [11.0], the value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

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

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

25.12.4 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26

25.12.5 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate.

(Clauses 25.12.6 to 25.12.10 shall be applicable to a contract sum more than R1 million for Option C (C 1.0 Securities [11.0])

25.12.6 Where security is a payment reduction in term of C 1.0 Option C, value of the works in terms of 25.1 and materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

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

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25.12.8 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion			
25.12.9 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26			
25.12.10 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except were the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate			
F:..... V:.....T:.....	Item		
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26	A26.0 **ADJUSTMENT OF THE CONTRACT VALUE AND FINAL ACCOUNT** Clause 26.0 Ref Clause 6.7 [CD] – Clause 26.1 Omit Clause 26.4.3 Ref Clause 6.7 [CD] – Clause 26.7 **Replace Clause 26.10 with the following:** The principal agent shall prepare the final account in consultation with the employer and issue the final account, to the contractor within sixty (60) working days of the date of practical completion Ref Clause 6.7 [CD] – Clause 26.12 F:..... V:.....T:.....			
		Item		
	Carried to Collection		R	
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27	A27.0 **RECOVERY OF EXPENSE AND/OR LOSS** Clause 27.0 **Replace Clause 27.1.2 with the following:** Interest due to late payment only **Replace Clause 27.1.4 with the following:** Interest due to late payment only 27.1.5 No Clause **Replace Clause 27.5 with the following:** Where the employer decides to recover an amount due in terms of 27.2 from a construction guarantee, cash deposit or retention money held as security, the employer shall issue a written demand to the contractor before recovering the amount. Should such amount not be paid to the employer within fourteen (14) calendar days of the date-of notice by the employer, the employer may recover such an amount from the security **Add the following as Clause 27.6:** Where a provisional sequestration or provisional liquidation order has been granted or where an order has been granted which commences sequestration, liquidation, bankruptcy, receivership, winding-up or any similar effect, against the contractor or this agreement is cancelled in terms of 29, the employer may issue a demand to the guarantor in terms of the construction guarantee or advance payment guarantee held as security F:..... V:.....T:.....		Item		
	Carried to Collection			R	
	Preliminaries				

SUSPENSION AND TERMINATION

28 A28.0 **SUSPENSION BY THE CONTRACTOR**

Clause 28.0

28 No Clause
28.1 No Clause
28.1.1 No Clause
28.1.2 No Clause
28.1.3 No Clause
28.1.4 No Clause
28.1.5 No Clause
28.2 No Clause
28.3 No Clause
28.4 No Clause

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

29 A29.0 **TERMINATION**

Clause 29.0

Add the following as Clause 29.1.4:
The contractor's estate has been sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

Add the following as Clause 29.1.5:
The contractor has engaged in corrupt or fraudulent practices in competing for or in executing the contract

Add the following as Clause 29.1.6:
Honour his obligations in terms of Clauses 10.1.5.1.3, 11.4.1 and 12.2. sub Clauses 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 19, 20, 22.

Replace Clause 29.7 with the following:
The employer, on notice to the contractor, may recover damages from the contractor from the date of termination including, but not limited to, additional costs incurred in the completion, consultant cost, rental of alternative

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accommodation, invitation of completion tenders, salaries of officials and safeguarding the site, of the remaining work [25.3.7; 27.1.3]

Replace Clause 29.9 with the following:
The employer has the right of recovery against the contractor, where applicable, [CD] from:

The guarantee for construction (variable) until the final payment has been made;

or

The guarantee for construction (fixed) until the date of practical completion;

or

The payment reduction until the final payment is made;

or

The cash deposit made as security until the final payment is made

29.14.1 No Clause

29.14.3 No Clause

29.14.4 No Clause

29.14.5 No Clause

29.14.6 No Clause

29.14.7 No Clause

29.15 No Clause

29.16 No Clause

29.17.3 No Clause

29.17.6 No Clause

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29.21.5 No Clause				
29.22 No Clause				
29.23 No Clause				
29.25.3 No Clause				
29.25.4 No Clause				
29.27 No Clause				
F:..... V:.....T:.....		Item		
Carried to Collection			R	
Preliminaries				

DISPUTE RESOLUTION

30 A30.0 **DISPUTE RESOLUTION**

Clause 30.0

Replace Clause 30.2 with the following:
Where such disagreement is not resolved within ten (10) working days of receipt of such notice it shall be deemed to be a dispute and shall be submitted to Mediation as a first method of dispute resolution failing which the parties will resort to Litigation

30.3 to 30.7.7 No Clauses

Replace Clause 30.8 with the following:
The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event:

30.8.1 No Clause

Replace Clause 30.8.2 with the following:
The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties

Replace Clause 30.8.3 with the following:
Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses

Replace Clause 30.9 with the following:
Institution of Litigation shall be commenced and process served within three (3) year from the date of existence of the dispute, failing which the dispute shall lapse

30.10 No Clause

30.12 No Clause

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

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	SECTION B: GENERAL PRELIMINARIES			
	B1.0 DEFINITIONS AND INTERPRETATION			
31	**B1.1** Definitions			
	F:..... V:.....T:.....	Item		
32	**B1.2** Interpretation			
	F:..... V:.....T:.....	Item		
	B2.0 DOCUMENTS			
33	**B2.1** Checking of documents			
	F:..... V:.....T:.....	Item		
34	**B2.2** Provisional bills of quantities			
	F:..... V:.....T:.....	Item		
35	**B2.3** Availability of construction information			
	F:..... V:.....T:.....	Item		
36	**B2.4** Ordering of materials and goods			
	F:..... V:.....T:.....	Item		
	B3.0 PREVIOUS WORK AND ADJOINING PROPERTIES			
37	**B3.1** Previous work - dimensional accuracy			
	F:..... V:.....T:.....	Item		
38	**B3.2** Previous work - defects			
	F:..... V:.....T:.....	Item		
39	**B3.3** Inspection of adjoining properties			
	F:..... V:.....T:.....	Item		
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	B4.0 THE SITE			
40	**B4.1** Handover of site in stages			
	F..... V:.....T:.....	Item		
41	**B4.2** Enclosure of the works			
	F:..... V:.....T:.....	Item		
42	**B4.3** Geotechnical and other investigations			
	F:..... V:.....T:.....	Item		
43	**B4.4** Encroachments			
	F:..... V:.....T:.....	Item		
44	**B4.5** Existing premises occupied			
	F:..... V:.....T:.....	Item		
45	**B4.6** Services - known			
	F:..... V:.....T:.....	Item		
	B5.0 MANAGEMENT OF CONTRACT			
46	**B5.1** Management of the works			
	F:..... V:.....T:.....	Item		
47	**B5.2** Progress meetings			
	F:..... V:.....T:.....	Item		
48	**B5.3** Technical meetings			
	F:..... V:.....T:.....	Item		
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	B6.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS			
49	**B6.1** Samples of materials			
	F:..... V:.....T:.....	Item		
50	**B6.2** Workmanship samples			
	F:..... V:.....T:.....	Item		
51	**B6.3** Shop drawings			
	F:..... V:.....T:.....	Item		
52	**B6.4** Compliance with manufacturer's instructions			
	F:..... V:.....T:.....	Item		
	B7.0 DEPOSITS AND FEES			
53	**B7.1** Deposits and fees			
	F:..... V:.....T:.....	Item		
	B8.0 TEMPORARY SERVICES			
54	**B8.1** Water			
	F:..... V:.....T:.....	Item		
55	**B8.2** Electricity			
	F:..... V:.....T:.....	Item		
56	**B8.3** Ablution and welfare facilities			
	F:..... V:.....T:.....	Item		
57	**B8.4** Communication facilities			
	F:..... V:.....T:.....	Item		
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	B9.0 PRIME COST AMOUNTS			
58	**B9.1** Responsibility for prime cost amounts			
	F:..... V:.....T:.....	Item		
	B10.0 ATTENDANCE ON SUBCONTRACTORS			
59	**B10.1** General attendance			
	The **contractor** shall at his own expense provide the following general attendance on the **subcontractor**s:			
	Access to the **site** and places where the subcontract work is to be carried out, including the reasonable use of any temporary personnel hoists erected by the **contractor**			
	The provision of water and lighting and single phase electric power to a position within 50 metres of the place where the subcontract work is to be carried out but excluding water, fuel and power for commissioning of any installation			
	The provision of an area for the **subcontractor** to establish temporary office accommodation and workshops and for the storage of plant and materials			
	The use of erected scaffolding belonging to the **contractor**, in common with others having the like right, while it remains erected on the **site**			
	The use, at reasonable times by arrangement of the **contractor's** erected hoisting equipment			
	F:..... V:.....T:.....	Item		
60	**B10.2** Special attendance			
	F:..... V:.....T:.....	Item		
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	B11.0 GENERAL			
61	**B11.1** Protection of the works			
	F:..... V:.....T:.....	Item		
62	**B11.2** Protection/isolation of existing works and works occupied in sections			
	F:..... V:.....T:.....	Item		
63	B11.3 **Security of the works**			
	F:..... V:.....T:.....	Item		
64	**B11.4** Notice before covering work			
	F:..... V:.....T:.....	Item		
65	**B11.5** Disturbance			
	The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent			
	F:..... V:.....T:.....	Item		
66	**B11.6** Environmental disturbance			
	F:..... V:.....T:.....	Item		
67	**B11.7** Works cleaning and clearing			
	F:..... V:.....T:.....	Item		
68	B11.8 **Vermin**			
	F:..... V:.....T:.....	Item		
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69	**B11.9** Overhand work F:..... V:.....T:.....	Item		
70	**B11.10** Tenant installations F:..... V:.....T:.....	Item		
71	B11.11 **Advertising** F:..... V:.....T:.....	Item		
	<u>SECTION C: SPECIFIC PRELIMINARIES</u> **Section C** contains specific preliminary items which apply to this contract except where **N/A (Not Applicable)** appears against an item			
	Carried to Collection		R	
	Preliminaries			

C1.0 CONTRACT DRAWINGS

72 * Select relevant paragraph and delete whichever is not applicable depending on whether the contract is based on a **bills of quantities** or lump sum document

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

* A full set of drawings is issued with the tender documents indicating the full scope of the work to enable the tenderer to acquaint himself with the nature and extent of the **works** and the manner in which they are to be executed

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

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

Item

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	C2.0 PREAMBLES			
73	The document "Construction Works: Specifications: General Specification (PW371-A) Edition 2.1" is obtainable on the Department's website (http://www.publicworks.gov.za/ under "Consultants Guidelines"), and shall be read in conjunction with the **bills of quantities** / lump sum document and be referred to for the full descriptions of work to be done and materials to be used The document "Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.2" is issued together with the drawings and shall be read in conjunction with the drawings and the **bills of quantities** / lump sum document F:..... V:..... T:.....	Item		
	C3.0 TRADE NAMES			
74	Wherever a trade name for any product has been described in the **bills of quantities** / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the **principal agent** being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for F:..... V:..... T:.....	Item		
	Carried to Collection		R	
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	C4.0 IMPORTED MATERIALS AND EQUIPMENT			
75	Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable) F:..... V:..... T:.....	Item		
	C5.0 VIEWING THE SITE IN SECURITY AREAS			
76	The **site** is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the **site** for tendering purposes F:..... V:..... T:.....	Item		
	C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS			
77	As the **works** falls within a security area the **contractor** must give the unit commander or other responsible officer notice before commencement of the **works**. Should the **contractor** fail to make such arrangements, admission to the **site** may be refused and any additional costs will be for the **contractor's account** F:..... V:..... T:.....	Item		
	Carried to Collection		R	
	Preliminaries			

	C7.0 ENTRANCE PERMITS TO SECURITY AREAS			
78	As the **works** falls within a security area the **contractor** shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer F:..... V:..... T:.....	Item		
	C8.0 SECURITY CHECK OF PERSONNEL			
79	The **principal agent** may require the **contractor** to have his personnel and workmen, or a certain number of them, security classified In the event of the **principal agent** requesting the removal of a person or persons from the **works** for security reasons, the **contractor** shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the **works** and the **site** and/or to any document or information relating to the **works** F:..... V:..... T:.....	Item		
	Carried to Collection		R	
	Preliminaries			

	C9.0 PROHIBITION ON TAKING OF PHOTOGRAPHS			
80	In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959 F:..... V:..... T:.....	Item		
	Carried to Collection		R	
	Preliminaries			

C10.0 HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities** / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 25.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including **interest**, due to such delay of payment

C10.1 AWARENESS CHAMPION

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

Carried to Collection R

Preliminaries

	C10.2 AWARENESS WORKSHOPS			
82	Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item		
	C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.			
83	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item		
	C10.4 ACCESS TO CONDOMS			
84	Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item		
	Carried to Collection		R	
	Preliminaries			

	C10.5 MONITORING			
85	Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification F:..... V:..... T:.....	Item		
	Carried to Collection		R	
	Preliminaries			

C11.0 OCCUPATIONAL HEALTH & SAFETY ACT

86 The **contractor** shall comply with all the requirements as set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

It is required of the **contractor** to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document

The **contractor** must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, **the principal agent**, notwithstanding the provisions of Clause A25.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including **interest**, due to such delay of payment

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

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

C12.0 EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)

87 The **contractor** shall comply with all the requirements as set out in the "Additional

Carried to Collection R

Preliminaries

Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS)" as attached to these **bills of quantities** / lump sum document The **contractor** shall identify a minimum number of youth workers from a priority list, and shall employ them at the statutory labour rates for a minimum period and train them, all as per the aforementioned specification and as elsewhere measured in these **bills of quantities** / lump sum document The contractor shall liaise and co-ordinate with the **employer** and the EPWP Training Service Provider with regard to the priority list, the selection of youth workers, and the employment and training of the identified youth workers The **contractor** shall avail the services of an adequately qualified foreman specifically for the EPWP-NYS youth workers, to act as their construction supervisor. The foreman will be responsible for continually monitoring the progress of the youth workers and for addressing questions and issues that may arise from the youth workers Separate items which will be subject to remeasurement have been included elsewhere in these **bills of quantities** / lump sum document to cover the direct costs associated with the employment and training of the youth workers. Any additional requirements in respect of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained F:..... V:..... T:.....		Item		
	Carried to Collection		R	
Preliminaries				

C13.0 IMPLEMENTATION OF LABOUR-INTENSIVE INFRASTRUCTURE PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP)

88 The **contractor** shall comply with all the requirements of the "Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)

The **contractor** shall maintain daily records with regard to the workers employed and shall, on a monthly basis, submit a report to the **principal agent** in the prescribed format. Compulsory indicators such as the project budget, actual project expenditure, number of job opportunities created, demographic characteristics of workers employed, minimum daily wage rate, number of person-days of employment created and number of training person-days, shall be included in said report, all as defined in the "Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)"

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

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

Carried to Collection R

Preliminaries

SUMMARY OF CATEGORIES

Category : Fixed R.....

Category : Value R.....

Category : Time R.....

Carried to Collection R

Preliminaries

Section No. 1

Bill No. 1

Preliminaries

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Section No. 1

Bill No. 1

Preliminaries

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Preliminaries			

CAPE TOWN : PARLIAMENTARY PRECINCT
UPGRADING AND CONFIGURATION OF VARIOUS KITCHENS

Section No. 1

Bill No. 1

Preliminaries

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Preliminaries			

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Preliminaries				

Bills of Quantities- Builders Work

Item No			Quantity	Rate	Amount
	SECTION 2 - BUILDER'S WORK				
	BILL No. 1				
	ALTERATIONS				
	NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill				
	Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document				
	TEMPORARY BARRIERS, SCREENS, ETC.				
	Temporary barriers, screens, etc., including removal				
1	Drywall barriers 3.30m high formed of galvanised steel channel rails and studs covered on one side with 12.7mm gypsum board panels and finished with two coats interior quality PVA emulsion paint on one side including corners, ends, etc.	m	8		
	REMOVAL OF EXISTING WORK				
	Demolish steel stairs				
2	Stairs and landings size 3000 x 2100mm wide including making good edges, etc complete	No	1		
	Breaking down and removing brickwork etc.				
3	One brick walls	m²	95		
	Carried to Collection			R	
	Alterations				

	Carefully taking out and removing windows, doors, including frames, etc., hand over to the Client and prepare opening for new door/window and frame (new door/window and frame elsewhere measured)				
4	Timber door and steel frame, size 900 x 2100mm high overall from 230mm brick wall	No	1		
5	Timber door and steel frame, size 900 x 2400mm high overall from 230mm brick wall	No	1		
6	Timber double door and steel frame, size 1500 x 2100mm high overall from 280mm brick wall	No	1		
7	Timber double door and steel frame, size 1590 x 2400mm high overall from 230mm brick wall	No	1		
8	Glazed timber window 610 x 1336mm high	No	1		
9	Glazed timber window 981 x 2595mm including louvre panel, complete	No	1		
10	Louvre panel 1146 x 1331mm	No	1		
11	Glazed timber window 1300 x 2607mm high	No	2		
12	Glazed timber window 1700 x 2595mm including louvre panel, complete	No	1		
	Carefully take off, up or out sundry joinery work, fittings, etc. and hand over to employer				
13	Timber coffee station cupboard, 2000 x 500 x 850mm high, including disconnecting waste pipe	No	2		
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc. and making good for paint finish (paint elsewhere measured)				
14	Acoustic tile suspended ceilings, including suspension grid, hangers, cornices, etc.	m^2	500		
	Carried to Collection			R	
	Alterations				

15	Stripping out cold/freezer room average size 6m² x 2.4m high and hand over to the Client	No	6		
16	Stripping out refrigeration average size 9m² x 2.4m high and hand over to the Client	No	4		
17	Stripping out spiral staircase size 1800mm diameter x 3150mm high and hand over to the Client	No	1		
	Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc.				
18	Internal plaster from walls and columns	m²	40		
	Hacking up/off and removing ceramic tile floor and wall finishes, including removing mortar bed or backing from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc.				
19	Tiles to floors	m²	496		
20	Tiles to walls	m²	923		
	Taking out and removing dumb waiter (1 flight) and make good lift shaft to receive new dumb waiter (new dumb waiter elsewhere measured)				
21	Dumb waiter	No	1		
	Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc.				
22	50mm Screeds to falls and cross falls from cold rooms, including waterproofing	m²	85		
	Taking out and removing ironmongery				
23	Mortice lock from timber door	No	12		
24	Chromium plated door handle	No	4		
	Carried to Collection			R	
	Alterations				

25	Toilet roll holder	No	5		
26	Paper towel dispenser	No	3		
27	Soap dispenser	No	3		
28	Mirror	No	3		
	Taking out and removing sanitary fittings, etc including disconnecting piping for later connections				
29	Wash hand basin	No	3		
30	Vitreous china WC pan with cistern	No	5		
31	Shower	No	2		
32	Floor drain to be replaced by new (new elsewhere)	No	10		
	Carried to Collection			R	
	Alterations				

	OPENINGS THROUGH EXISTING WALLS ETC.				
	Breaking out for and forming openings through brick walls for new windows and doors, including brick lintels, making good plaster on both sides and into reveals (new doors and making good paintwork elsewhere)				
33	Opening for door 1500 x 2100mm high through 230mm brick wall	No	1		
	BUILDING UP OPENINGS				
	Brickwork in NFP bricks in class II mortar in building up openings, including bonding new to existing and making good cement plaster on both sides (making good paintwork elsewhere)				
34	Opening 0.90 x 2.10m high overall in one brick wall	No	1		
	MAKING GOOD OF FINISHES, ETC.				
	Making good brickwork				
35	Faces of walls where 230mm brick cross walls were removed	m	13		
	Making good plastering				
36	Plastering to faces of walls and/or columns where 230mm brick cross walls were removed	m	13		
	Making good screeds				
37	25mm Thick on floors where one brick walls are removed	m	19		
	Carried to Collection			R	
	Alterations				

Section No. 2

Bill No. 1

Alterations

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Alterations

Item No		Unit	Quantity	Rate	Amount
	SECTION 2 - BUILDER'S WORK				
	BILL No. 2				
	CONCRETE, FORMWORK AND REINFORCEMENT				
	NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill				
	Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document				
	SUPPLEMENTARY PREAMBLES				
	Trade names				
	Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent				
	Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
	CONCRETE SUNDRIES				
	PVC sleeves				
1	50mm Diameter sleeves through not exceeding 300mm concrete wall	No	2		
	Carried to Collection			R	
	Concrete, Formwork & Reinforcement				

2	125mm Diameter sleeves through not exceeding 300mm slab	No	2		
	Carried to Collection			R	
	Concrete, Formwork & Reinforcement				

	CORE DRILLING PROCEDURE **1. Existing CORE DRILLING PROCEDURE** **1. Existing Down stand Beams or Suspended Slabs** **The following procedure must be adopted for all core drilling :** **a) The proposed positions to be agreed with the Engineer in writing.** **b) The position of the core is to be marked by the contractor.** **c) The beam/slab is to be scanned on both faces to determine the position of any embedded reinforcement (stirrups, spanning steel)** **d) A pilot hole is to be drilled using an 8mm bit.** **e) The Engineer is to inspect and adjust the position of the pilot hole accordingly. Beams or Suspended Slabs** **The following procedure must be adopted for all core drilling :** **a) The proposed positions to be agreed with the Engineer in writing.** **b) The position of the core is to be marked by the contractor.** **c) The beam/slab is to be scanned on both faces to determine the position of any embedded reinforcement (stirrups, spanning steel)** **d) A pilot hole is to be drilled using an 8mm bit.** **e) The Engineer is to inspect and adjust the position of the pilot hole accordingly.**				
3	Core Drill Through 225mm thick Reinforced concrete slab, beam, wall, etc.	No	10		
	Carried to Collection Concrete, Formwork & Reinforcement			R	

Section No. 2

Bill No. 2

Concrete, Formwork & Reinforcement

COLLECTION

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Concrete, Formwork & Reinforcement			

Item No		Unit	Quantity	Rate	Amount

SECTION 2 - BUILDER'S WORK

BILL No. 3

MASONRY

NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill

Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document

SUPPLEMENTARY PREAMBLES

Sizes in descriptions

Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick

Samples

Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of six units. Samples of building units to be used in walls described as "load bearing" shall consist of thirty units from every thirty thousand units delivered to site

Carried to Collection R

Masonry

	Building in of conduits Tenderers are to note that all conduiting must be built-in, and that no chasing for conduits will be accepted unless authorised in writing by the Project Manager on behalf of the Client. Hence, it is the responsibility of the tenderer to allow for the sequencing of work so that the building in of conduiting can be achieved Trade names Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
	SUPERSTRUCTURE				
	Brickwork of NFP burnt clay bricks (14-20 MPa nominal compressive strength) in Class II mortar				
1	Half brick walls	m²	20		
2	One brick walls	m²	107		
	Brickwork reinforcement				
3	75mm Wide reinforcement built in horizontally	m	57		
4	150mm Wide reinforcement built in horizontally	m	314		
	Prestressed concrete lintels				
5	110 x 70mm Lintels in lengths not exceeding 3m	m	3		
6	150 x 70mm Lintels in lengths not exceeding 3m	m	3		
	Carried to Collection			R	
	Masonry				

Section No. 2

Bill No. 3

Masonry

COLLECTION

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Masonry

Item No		Unit	Quantity	Rate	Amount
	SECTION 2 - BUILDER'S WORK				
	BILL No. 4				
	WATERPROOFING				
	NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill				
	Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document				
	SUPPLEMENTARY PREAMBLES				
	Waterproofing				
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets, etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs				
	Trade names				
	Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent				
	Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
	Carried to Collection			R	
	Waterproofing				

	One layer of 375 micron embossed damp proof course well lapped at joints and intersections bedded and joined in cement mortar				
1	In walls	m²	11		
	DAMPPROOFING OF WALLS AND FLOORS				
	Cementitious waterproofing system strictly in accordance with the manufacturer's specification				
2	Shower walls	m²	156		
3	On floors to falls and currents	m²	85		
4	Shower floors to falls and currents	m²	2		
5	Turn-ups 150mm high	m	8		
6	Sealing edges to brickwork or concrete, including trowelled mastic bead	m	8		
7	Flashing strips 200mm girth at turn-ups, including sealing top edges into grooves (grooves elsewhere measured) with mastic	m	8		
	JOINT SEALANTS, ETC.				
	Approved silicone pointing, etc.				
8	5 x 5mm Fillet joints	m	396		
	Carried to Collection			R	
	Waterproofing				

Section No. 2

Bill No. 4

Waterproofing

COLLECTION

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Waterproofing

Item No		Unit	Quantity	Rate	Amount

SECTION 2 - BUILDER'S WORK

BILL No. 5

CARPENTRY AND JOINERY

NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill

Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document

SUPPLEMENTARY PREAMBLES

Joinery

Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc

Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes

Fixing

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete

Decorative laminate finish

Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish

Carried to Collection R

Carpentry and Joinery

	Trade names Items, materials or methods to be used, specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
	DOORS, ETC. Doors as per the door schedule referred to, in the Architect's drawings no. WC015 - 700 issued with the bills of quantities				
	Solid core flush panel doors with concealed hardwood edges all round, with 3,2mm timber veneer (wood type) covering to both sides				
1	44mm Thick door 813 x 2032mm high (Type D01 T4-001)	No	2		
2	44mm Thick ons-and half double door 1500 x 2032mm high (Type D01 T0-001)	No	1		
	FITTINGS **General** The following cupboard fittings are measured as complete units, ie., the components of the units are not separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, nailing, screwing with sunk screws, edge strips, decorative laminates, glass, ironmongery, metalwork, paint or varnish finish, etc., and silicone sealant against all wall and floor surfaces				
	Carried to Collection			R	

	The descriptions of all fittings contain a reference to the applicable Architect's drawing and tenderers are referred to these drawings for the full specification and detailing of the various fittings Prices will be deemed to include for everything necessary to complete the installation of the fittings as depicted on the drawings and no extras in this regard will be entertained <u>Joinery to Coffee Area - Mark's Kitchen excluding work tops as described</u>				
3	Floor unit, size 1936 x 992 x 900mm high overall with cut out for and including reusing existing 1500 x 20mm drain channel complete as drawing (Dwg Ref. WC015-500)	No	1		
	Floor unit, size 1953 x 992 x 900mm high overall, complete as drawing (Dwg Ref. WC015-500)	No	1		
	Carried to Collection			R	

Section No. 2

Bill No. 5

Carpentry and Joinery

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Carpentry and Joinery

Item No		Unit	Quantity	Rate	Amount

SECTION 2 - BUILDER'S WORK

BILL No. 6

CEILINGS, PARTITIONS AND ACCESS FLOORING

NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill

Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document

SUPPLEMENTARY PREAMBLES

Descriptions

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete

Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere

Proprietary suspended ceilings

Electric light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance shall be made accordingly for their support, inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing shall take cognizance thereof)

Carried to Collection R

Ceilings, Partitions and Access Flooring

Bulkheads Bulkheads are those areas of the ceiling which are at a level differing from the general ceiling in a particular room or area and which generally occur along the perimeter of the room or area. Their purpose is either to conceal services or to create an architectural feature by changing levels. Trade names Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
Carried to Collection Ceilings, Partitions and Access Flooring			R	

	SUSPENDED CEILINGS				
	1200 x 600 x 15mm acoustic pre-painted revealed edge-lay-in acoustic ceiling tile of wet-formed mineral fibre with acoustically transparent membrane, finished with acoustically transparent membrane with factory-applied latex paint Fire Performance.Class A: ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less. Smoke Developed Index of 50 or less (UL labeled).ASTM E1264 Classification Type IV, Form 2, Pattern E; Fire Class A. Humidity/Sag Resistance HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications. s on pre-painted exposed tee suspension system, including main and cross tees, necessary hangers, grids, etc., all in strict accordance with the manufacturer's specifications and recommendations				
1	Horizontal ceilings suspended not exceeding 1000mm below concrete soffits	m²	622		
2	Extra over ceiling for marking and forming holes for down lighters, sprinkler heads, fire detector unit etc. not exceeding 150mm diameter	No	42		
3	Extra over ceilings for opening 600 x 600mm for light fittings including additional supports	No	42		
	9,5mm Rhino gypsum plasterboard ceilings with 63mm wide strips of mesh scrim nailed over joints and the whole finished with gypsum skim plaster trowelled to a smooth polished surface on patent concealed suspension system, all in strict accordance with the manufacturer's specifications and recommendations				
4	Vertical bulkheads	m²	7		
	Carried to Collection			R	

	Cornices to suspended ceilings				
	Cornices to include approved silicone joint sealant at junction of ceiling cornice with plastered wall				
5	Aluminium pre-painted cornices, plugged	m	348		
6	Pre-painted corner trims, plugged	m	30		
7	45 x 35mm Plaster trim, plugged	m	30		
	Carried to Collection			R	

Section No. 2

Bill No. 6

Ceilings, Partitions and Access Flooring

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Ceilings, Partitions and Access Flooring

Item No		Unit	Quantity	Rate	Amount

SECTION 2 - BUILDER'S WORK

BILL No. 7

IRONMONGERY

NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill

Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document

SUPPLEMENTARY PREAMBLES

Finishes to ironmongery

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 - Anodized silver
AB - Anodized bronze
AG - Anodized gold
ABL - Anodized black
PB - Polished brass
PL - Polished and lacquered
PT - Epoxy coated
SD - Sanded

Carried to Collection R

Ironmongery

	Trade names Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
	HINGES, BOLTS, ETC.				
1	150mm Stainless steel flush bolt	No	1		
2	300mm Stainless steel flush bolt	No	1		
	LOCKS				
3	Multi-lever sash lock with lock case, stainless steel for end	No	8		
4	Multi-lever sash lock with lock case, stainless steel for end and 60mm double rebated meeting style	No	1		
5	Keyhole escutcheon	Pairs	9		
	HANDLES				
6	Square satin finish solid stainless steel spring loaded lever handles	Pairs	9		
	PUSH AND KICKING PLATES				
7	250mm Wide x 800mm high x 1,2mm thick stainless steel plate 304 grade, fixed to face of door. Plate to have no sharp edges or corners.	No	4		
8	250mm Wide x 300mm high x 1,2mm thick stainless steel plate 304 grade, fixed to face of door. Plate to have no sharp edges or corners.	No	2		
	Carried to Collection			R	
	Ironmongery				

9	250mm Wide x 1200mm high x 1,2mm thick stainless steel plate 304 grade, fixed to face of door. Plate to have no sharp edges or corners.	No	2		
	DOOR CLOSERS				
10	Overhead door closer non-hold open multi-strength	No	3		
	SUNDRIES				
11	Stainless steel door stop	No	6		
	BATHROOM FITTINGS				
	Approved				
12	500ml Stainless steel soap dispenser, plugged	No	3		
13	Auto-towel paper dispenser manufactured from 0.7 clear coat enamel finish stainless steel wall-mounted automatic system lockable dispenser for added security	No	3		
14	Toilet roll holder with metal chrome plated frame and timber roll fixed to wall with screws	No	5		
15	372 x 169 x 690mm High Stainless steel waste container, plugged	No	3		
16	200 x 100 x 35mm Wall-mounted rectangular soap basket, material 304-grade stainless steel	No	2		
17	Standard stainless steel towel hook	No	2		
	Approved				
18	450 x 750mm High Urinal dividers urinal screens (colour: standard) manufactured using 12mm compact high-pressure laminate, fixed to wall with aluminium extrusion	No	2		
	Carried to Collection			R	
	Ironmongery				

Section No. 2

Bill No. 7

Ironmongery

COLLECTION

	Page No		Amount
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Ironmongery

Item No		Unit	Quantity	Rate	Amount

SECTION 2 - BUILDER'S WORK

BILL No. 8

METALWORK

NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill

Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document

SUPPLEMENTARY PREAMBLES

Descriptions

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

Descriptions of galvanised mild steel shall be deemed to mean hot dipped galvanised after fabrication

Carried to Collection R

Metalwork

	Trade names Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
	GALVANISED STEEL MINOR WORK				
	Existing concrete beam support				
1	280 x 95 x 41.2kg/m Channel beam fixed at ends and to side side of existing concrete beam	kg	189		
	Bolts				
2	16mm Chemical anchor with loose bolt	No	22		
	GALVANIZED PRESSED STEEL DOOR FRAMES				
	1.2mm Single rebated frames suitable for 230mm cavity wall brick walls				
3	Frame for door 813 x 2032mm high	No	2		
4	Frame for door 1500 x 2032mm high	No	1		
	ALUMINIUM LOUVRE UNITS				
	Scope of work				
	The work under the heading "ALUMINIUM LOUVRES, ETC." includes for the supply, setting up, building in, protection, cleaning, sub-frames and/or lugs, polychord and polyurethane sealant all round on both sides, fixing in position and ironmongery to louvres				
	Carried to Collection			R	

	Aluminium louvres as per the aluminium specification referred to in the Architects' drawing no. WC015 - 700 **Approved powder coated gloss white perforated aluminium louvre units, bolted to and including aluminium sub-frames**				
5	1146 x 1331mm High louvre screen	No	1		
	Carried to Collection			R	
	Metalwork				

	ALUMINIUM SHOWER SCREENS AND DOORS				
	Approved framed shower doors and screens with swing doors, cleats, stops, etc. and toughened frosted safety glass, fixed to tiled walls				
6	Corner unit 900 x 1200 x 1800mm high	No	2		
	ALUMINIUM WINDOWS, DOORS, ETC.				
	The work under the heading "ALUMINIUM WINDOWS, DOORS, SHOPFRONTS, ETC" includes for the supply, setting up, building in, protection, cleaning, sub-frames and/or lugs, polychord and polyurethane sealant all round on both sides, fixing in position, ironmongery and glazing of windows				
	Aluminium windows, ironmongery and glazing as per the aluminium specification referred to in the Architect's drawings no. WC015 - 700 issued with the bills of quantities				
	Approved top-hung casement aluminium windows (Colour : White) with 6.38mm clear laminated safety glass, plugged to brickwork or concrete				
7	Window 610 x 1336mm (Type W01)	No	1		
8	Window 981 x 2595mm including louvre panel, complete (Type W03)	No	1		
9	Window 1300 x 2607mm high (Type W02)	No	2		
10	Window 1700 x 2595mm including louvre panel, complete (Type W04)	No	1		
	Carried to Collection			R	

Section No. 2

Bill No. 8

Metalwork

COLLECTION

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Metalwork

Item No		Unit	Quantity	Rate	Amount
	SECTION 2 - BUILDER'S WORK				
	BILL No. 9				
	PLASTERING				
	NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill				
	Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document				
	TRADE NAMES				
	Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent				
	Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
	SCREEDS				
	Screeds on concrete				
1	25mm Thick on floors and landings	m²	707		
	Screeds wood floated on concrete				
2	Average 60mm thick on floors to falls and currents	m²	85		
	Carried to Collection			R	
	Plastering				

	INTERNAL PLASTER				
	Cement plaster on brickwork				
3	On walls	m²	88		
4	On narrow widths	m²	27		
	Gypsum skim plaster on concrete				
5	On ceilings	m²	24		
	EXTERNAL PLASTER				
	Cement plaster on concrete				
6	On narrow widths	m²	6		
	CORNER PROTECTORS, DIVIDING STRIPS, ETC				
7	30 x 3mm Flat section brass dividing strips between different floor finishes	m	3		
	Carried to Collection			R	

Section No. 2

Bill No. 9

Plastering

COLLECTION

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Plastering

Item No		Unit	Quantity	Rate	Amount
	SECTION 2 - BUILDER'S WORK				
	BILL No. 10				
	TILING				
	NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill				
	Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document				
	SUPPLEMENTARY PREAMBLES				
	All tiles to be supplied as per manufacturer's sizes (no cutting to size allowed). Should cutting be unavoidable the Principal Agent's approval is required				
	Descriptions				
	Unless described as "fixed with adhesive to plaster (plaster elsewhere) or screeds (screeds 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 cement plaster bedding				
	Descriptions of all tiling are deemed to include for all straight cutting and circular cutting around all sanitary ware and pipes not exceeding 150mm diameter				
	Carried to Collection			R	

	Trade names Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
	WALL TILING				
	100 x 200mm White ceramic tiles (Prime Cost Amount of R250/m² delivered to site, excluding VAT) fixed with approved adhesive to plaster (plaster elsewhere measured) and 2-4mm continuous joints in both directions and rubbed with white epoxy grout				
1	On walls	m²	592		
2	On walls in narrow widths	m²	2		
	200 x 200mm White ceramic tiles (Prime Cost Amount of R200/m² delivered to site, excluding VAT) fixed with approved adhesive to plaster (plaster elsewhere measured) and 2-4mm continuous joints in both directions and rubbed with white epoxy grout				
3	On walls	m²	156		
4	On walls in narrow widths	m²	2		
	Carried to Collection			R	

	FLOOR TILING				
	600 x 600mm Ceramic tiles (Prime Cost Amount of R400/m² delivered to site, excluding VAT) fixed with approved adhesive to wood floated screeds (screeds elsewhere measured) and flush pointed with waterproof tinted jointing compound				
5	On floors and landings	m²	60		
6	Skirting 100mm high	m	396		
	Carried to Collection			R	

	SUNDRIES				
	Approved aluminium				
7	8mm Straight edge trim	m	456		
	Stainless steel or any equal approved				
8	30 x 10mm Tile-in external corner protector	m	82		
	Attic Stock				
	The tenderer must allow for the supply, off-load and hand over of attic stock to the client				
9	100 x 200mm Ceramic tiles	m²	59		
10	200 x 200mm Ceramic tiles	m²	16		
11	600 x 600mm Ceramic tiles	m²	12		
	Carried to Collection			R	

Tiling

Section No. 2

Bill No. 10

Tiling

COLLECTION

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Tiling

Item No		Unit	Quantity	Rate	Amount

SECTION 2 - BUILDER'S WORK

BILL No. 11

PLUMBING AND DRAINAGE (PROVISIONAL)

NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill

Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document

SUPPLEMENTARY PREAMBLES

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

Gratings, covers, etc

Gratings, covers, etc shall be as manufactured by "Besaans du Plessis Foundries", unless otherwise described

Stainless steel basins, sinks, wash troughs, urinals, etc

Stainless steel for economy basins, domestic sinks, worktops and wash troughs shall be type 430 (17/0)

Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc shall be type 304 (18/8)

Carried to Collection R

Plumbing and Drainage

Stainless steel for laboratory sinks, photographic equipment, etc shall be type 316 (18/8)

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable

Flush pans

Flush pans shall have straight or side outlets and "P" or "S" traps as necessary

Lead pipes and traps

All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel

uPVC pressure pipes and fittings

Pipes for water supply shall be of the class described

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 to Collection R

Plumbing and Drainage

"Polycop" polypropylene pipes

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 described

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

Copper pipes

Pipes shall be hard drawn and half-hard pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016

Reducing fittings

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 to Collection R

Chasing

Descriptions of pipes are deemed to include for chasing

"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied in the appropriate widths and with relevant overlaps for specific diameters of pipes

Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, "Layflat" sheeting, securing of same, etc

Prices for wrapping of pipes shall include for all work as described to couplings in the length

General

Descriptions of wc pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors separately measured)

Descriptions of all sanitary fittings shall be deemed to include for silicone sealant pointing between the fittings and finished wall surfaces

Descriptions of copper service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc and to steel pipes

Descriptions of overflow pipes where measured number, shall be deemed to include joints to cisterns and splay cut ends

Carried to Collection R

Plumbing and Drainage

	Trade names Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
	SANITARY FITTINGS **Approved stainless steel**				
1	Double bowl vegetable sink size 1700 x 650 x 910mm with PVC grease type waste	No	1		
	Approved				
2	510 x 405mm "Hibiscus" (code 702303)or equal approved white basin with one tap hole, bolted to wall with two 10mm bolts with and including 685mm high pedestal	No	3		
3	Low level wc suite comprising "Aquasave" or equal approved pan with double flap heavy duty plastic seat and cistern with flush pipe, complete	No	5		
4	Alpine white vitreous china wall hung back inlet bowl urinal as size 305 x 290mm with chromium plated domical grating and fixed to tiled wall with and including two approved hanger brackets.	No	2		
5	Shower tray and support frame	No	2		
	Carried to Collection			R	
	Plumbing and Drainage				

	WASTE UNIONS ETC.				
	Approved chromium plated				
6	62mm Diameter slotted basin waste with back nut, plug and stay, complete	No	4		
	TRAPS, ETC.				
	Approved cast brass				
7	40mm 373 Shower trap with 75mm grating	No	2		
	TAPS, VALVES, ETC.				
	"Cobra" or similar approved				
8	15mm copper inlets, and sliding wall flange. stoptap Type 2, DZR brass	No	56		
9	15mm Chrome plated Star raised nose pillar-type tap Type 2, DZR brass, JASWIC-listed.	No	71		
10	Shower set with under tile stop taps with 15mm **BSP Female Inlet**s, set includes two stella **Cobra Metsi Original Chrome Plated Underwall Stop Tap** with **Chrome Plated Shower Arm & Flange** and shower head	No	70		
11	Overhead pre-rinse spray unit with c/w bracket on 15mm taps	No	69		
	SANITARY PLUMBING				
	Supply and Install HDPE pipe including couplers in the running length, installed in accordance with SANS 10400 and SANS 10252-2: 2004				
12	56mm Pipes	m	100		
	Extra over HDPE soil and vent pipes for fittings				
13	56mm 90° Elbow	No	136		
	Carried to Collection			R	

14	56mm 45° Elbow	No	136		
15	56mm 90° Equal T-piece	No	136		
16	56mm Electro-fussion joint	No	136		
17	56mm Electro-fussion butt welded joint	m	136		
18	56mm "P" trap complete with coupling clamps.	No	55		
	FLOOR DRAINS & WASTE TRAPS				
19	Supply and Install Herbish HB200H or equal and approved floor drain horizontal	No	8		
20	Supply and Install Herbish HB200V Floor Drain square vertical	No	6		
	WATER SUPPLIES				
	Note : The rates for taps, valves, fittings, etc., are to include for all connections to the piping, including any necessary adapters, special jointing, etc.				
	Class II Copper Pipes with Brass Compression fittings				
21	15mm Pipe in chase	m	10		
	Extra over Class II copper pipes for Conex Compression fittings				
22	15mm Fittings	No	10		
	Carried to Collection			R	
	Plumbing and Drainage				

Section No. 2

Bill No. 11

Plumbing and Drainage

COLLECTION

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Plumbing and Drainage

Item No		Quantity	Rate	Amount
	SECTION 2 - BUILDER'S WORK			
	BILL No. 12			
	KITCHEN EQUIPMENT			
	NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill			
	Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document			
	Trade names			
	Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent			
	Proof as to the suitability of the alternate product/s offered shall rest with the tenderer			
	General			
	The following equipments are measured as complete units, ie., the components of the units are not separately measured. The descriptions, therefore, of such units shall be deemed to include all supply, delivery, installation of components, assembling, housing, notching, glueing, nailing, screwing, edge strips, ironmongery, metalwork, testing and commissioning, etc., and silicone sealant against all wall and floor surfaces			
	Carried to Collection			R
	Kitchen Equipment			

	The positions of all equipment are indicated to the Architect's drawing no. WC 15-103 D and tenderers are referred to this drawing Prices will be deemed to include for everything necessary to complete the installation of the equipment as depicted on the drawings and no extras in this regard will be entertained				
	DEMOLITIONS				
1	Carefully take out and hand over to Client existing kitchen equipment, complete and replace with the below measured equipment		Item		
	MARKS KITCHEN				
	Kitchen Area				
2	2.5 Glass door under fridge	No	4		
	90 PLEIN STREET				
3	12 Pan combi steamer with water filler stacked	No	1		
4	20 Pan combi steamer with water filter	No	1		
5	2 Pan combi steamer with water filler stacked with 20 pan combi steamer with water filter	No	1		
6	Approved rack advancing dishwasher	No	1		
7	Left-entry facing hood type dish washing machine	No	1		
8	Waste disposal unit	No	1		
9	600 Piece mobile crockery rack	No	2		
10	2 x 20 Litres fryer	No	1		
11	8 Burner char-griller	No	1		
12	4-Burner gas range with oven	No	2		
	Carried to Collection			R	
	Kitchen Equipment				

13	Electric heavy duty salamander with lever adjustable level grid	No	1		
14	12kg Potato peeler with timer	No	1		
15	20 Litre planetary mixer	No	1		
	Breakfast Area				
16	4-Burner gas boiling stainless steel table, fitted with a stainless steel full-width crumb tray on four levelling device legs	No	1		
17	1780mm long stainless steel under bar table with splash back	No	1		
18	5-Burner gas flat top half-ribbed griller on counter stand	No	1		
19	iCombi compact and including stand	No	1		
20	Wall-mounted Hydroboil drip tray including stainless steel drain	No	1		
21	10 Pan combi steamer with and including stacking kit	No	1		
22	iCombi Classic 202 steamer with and including stacking kit	No	1		
23	1780 x 650mm Long 2.5 door under bar fridge	No	2		
24	Approved rack conveyor dishwasher	No	1		
25	90 Degrees size 1300mm long x 1300mm high roller outlet table	No	1		
26	620 x 1650mm Long roller outlet table	No	1		
27	600 x 1200 x 1450mm High 4-tier stainless steel shelving	No	3		
28	12kg Potato peeler with timer	No	1		
	Carried to Collection			R	
	Kitchen Equipment				

29	6-Open burner gas range c/w oven	No	1		
30	20 Litre planetary mixer	No	1		
	NCOP				
	Ground Floor				
31	Stainless steel 4.5-door under bar fridge	No	1		
32	Service existing bain maries	No	3		
	First Floor				
33	1200 Hood type dishwasher	No	2		
34	145 Litre three solid tops stove	No	2		
35	Pedestal stainless steel band saw mark 7HQ 1.5kw 380v 3ph	No	1		
36	6x1/2 Pan capacity steamer with and including stacking kit	No	2		
37	iCombi Classic 102 steamer with and including stacking kit	No	2		
38	Repairs to "Rational iCombi Classic 101" or equal approved 10 pan combi steamer with and including stacking kit	No	2		
	Commissioning and Maintenance				
39	Commissioning and Testing: • COC • Maintenance period of 12 months • Training of Staff • Operational and maintenance manuals etc.		Item		
	Carried to Collection			R	
	Kitchen Equipment				

Section No. 2

Bill No. 12

Kitchen Equipment

COLLECTION

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Kitchen Equipment			

Item No		Unit	Quantity	Rate	Amount
	SECTION 2 - BUILDER'S WORK				
	BILL No. 13				
	GLAZING				
	NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill				
	Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document				
	SUPPLEMENTARY PREAMBLES				
	NOTE: Glass to be installed according to the requirements of SABS Code 0137				
	Trade names				
	Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent				
	Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
	Carried to Collection			R	
	Glazing				

	GLAZING TO STEEL WITH PUTTY				
	MIRRORS, ETC.				
	4mm Silvered float glass copper backed mirrors with 4mm bevelled edges, fixed with chromium plated dome headed mirror screws with rubber buffers to plugs				
1	Mirror size 500 x 700mm high	No	3		
	Carried to Collection			R	
	Glazing				

Section No. 2

Bill No. 13

Glazing

COLLECTION

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Glazing

Item No		Unit	Quantity	Rate	Amount

SECTION 2 - BUILDER'S WORK

BILL No. 14

PAINTWORK

NOTE: Tenderers are advised to study the Model Preambles for Trades (2008) before pricing this bill

Tenderers are advised to study the Department of Public Works - Construction Works: General Specification (PW 371-A) and Construction Works: Particular Specification (PW371-B) before pricing this document

SUPPLEMENTARY PREAMBLES

Descriptions

Descriptions of paintwork shall be deemed to include for all cutting in

Specialist floor coverings

All specialist floor coverings shall be executed in strict accordance with the manufacturer's instructions

Paint specifications

All painting shall be done in accordance with supplier's specifications

Trade names

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Principal Agent

Carried to Collection R

Paintwork

	Proof as to the suitability of the alternate product/s offered shall rest with the tenderer				
	PAINTWORK, ETC. TO NEW WORK ON				
	One coat plaster primer and two coats low sheen acrylic paint on				
1	On internal walls	m²	42		
2	On ceilings and beams	m²	24		
	SKIMMED PLASTER BOARD SURFACES WITH				
	One coat plaster primer and two coats low sheen acrylic paint on				
3	On ceilings, bulkheads and cornices	m²	37		
	FLOOR COATING				
	Approved food safe fast-curing resin system floor coating (Colour : Dusty Grey) spread rate 4-5m² to a minimum of 0.5mm thickness, applied as to manufacturer's instructions				
4	On screeded floor	m²	646		
	METAL SURFACES WITH				
	One coat metal primer, one coat universal undercoat and two coats satin paint on galvanized steel				
5	On door frames	m²	6		
6	On galvanised steel beam	m²	4		
	Carried to Collection			R	
	Paintwork				

	WOOD SURFACES WITH				
	One coat white wood prime, one coat universal undercoat and two coats enamel paint				
7	On doors	m²	12		
	PAINTWORK, ETC. TO PREVIOUSLY PAINTED WORK ON				
	FLOATED PLASTER SURFACES WITH				
	Prepare and apply one coat hi-cover primer and two coats wallbrite low sheen acrylic coating to approved colour				
8	On internal walls	m²	136		
	Paint to match existing				
9	On external walls	m²	15		
	METAL SURFACES WITH				
	One coat metal primer, one coat universal undercoat and two coats satin paint on galvanized steel				
10	On door frames	m²	52		
	WOOD SURFACES WITH				
	One coat white wood prime, one coat universal undercoat and two coats enamel paint				
11	On doors	m²	143		
	Carried to Collection			R	

Section No. 2

Bill No. 14

Paintwork

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	116 117 118		
Carried Forward to Summary of Section No. 2		R	

Paintwork

SECTION SUMMARY - Section 2: Builder's Work

Bill No		Page No		Amount
1	Alterations	63		
2	Concrete, Formwork & Reinforcement	67		
3	Masonry	70		
4	Waterproofing	73		
5	Carpentry and Joinery	77		
6	Ceilings, Partitions and Access Flooring	82		
7	Ironmongery	86		
8	Metalwork	91		
9	Plastering	94		
10	Tiling	99		
11	Plumbing and Drainage	107		
12	Kitchen Equipment	112		
13	Glazing	115		
14	Paintwork	119		

CARRIED TO FINAL TENDER SUMMARY R

Item No		Quantity	Rate	Amount
	SECTION 3 - PROVISIONAL SUMS			
	BILL NO. 1			
	PROVISIONAL SUMS			
	The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2008) and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.			
	SELECTED SUB-CONTRACT AMOUNTS			
	The following amounts are for goods and services, etc., supplied erected, fixed and installed complete. The following amounts are for tenders for various nominated/selected contractors and the contractor must price the appropriate profit and attendance on all items accordingly.			
	Alterations			
1	Allow the amount of R 60 000.00 (Sixty Thousand Rands) for alterations and demolitions to later detail to be spent in whole or in part or omitted from the contract	Sum		60 000.00
2	Profit on above item	Item		
3	Attendance on above item	Item		
	Asbestos Removal			
4	Allow the amount of R 30 000.00 (Thirty Thousand Rands) for the removal of asbestos by an authorised asbestos removal contractor, to be spent in whole or in part or omitted from the contract	Sum		30 000.00
5	Profit on above item	Item		
6	Attendance on above item	Item		
	Carried to Collection		R	
	Provisional Sums			

	Joinery Fittings and Steel Shelving				
7	Allow the Amount of R 100 000.00 (One Hundred Thousand Rand) for supply and installation of additional joinery fittings and steel shelving to later detail to be spent in whole or in part or omitted from the contract	Sum			100 000.00
8	Profit on above item	Item			
9	Attendance on above item	Item			
	Signage				
10	Allow the amount of R 50 000(Fifty Thousand Rands) for Signage Installation	Sum			50 000.00
11	Profit on above item	Item			
12	Attendance on above item	Item			
	Builders work in connection with services				
13	Allow the Amount of R 50 000.00 (Fifty Thousand Rand) for builders work in connection with plumbing, Electrical, Electronic, Mechanical and Fire services to later detail to be spent in whole or in part or omitted from the contract.	Sum			50 000.00
14	Profit on above item	Item			
15	Attendance on above item	Item			
	Lift Installation				
16	Allow the Amount of R 200 000.00 (Two Hundred Thousand Rand) for Dumb Waiter Installation	Sum			200 000.00
17	Profit on above item	Item			
18	Attendance on above item	Item			
	Carried to Collection			R	
	Provisional Sums				

	Gas Installation			
19	Allow the Amount of R150 000.00 (One Hundred and Fifty Thousand Rand) for Gas Installation	Sum		150 000.00
20	Profit on above item	Item		
21	Attendance on above item	Item		
	Steel Stairs and Balustrades			
22	Allow the Amount of R150 000.00 (One hundred and Fifty Thousand Rand) for the supply and installation of steel stairs and balustrades (including minor alterations to concrete) to later detail to be spent in whole or in part or omitted from the contract	Sum		150 000.00
23	Profit on above item	Item		
24	Attendance on above item	Item		
	Stone work tops			
25	Provide the prime cost amount of Ten Thousand Rand (R10000.00) for supplying and installing of stone work tops	Sum		10 000.00
26	Profit on above item	Item		
27	Attendance on above item	Item		
	Carried to Collection		R	

Provisional Sums

Section No. 3

Bill No. 1

Provisional Sums

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	121		
	122		
	123		
CARRIED TO FINAL TENDER SUMMARY		R	
Provisional Sums			

Item No			Quantity	Rate	Amount
	SECTION 4 - ELECTRICAL WORK				
	BILL NO. 1				
	LOW VOLTAGE RETICULATION (Provisional)				
	DISTRIBUTION				
	Supply, Install and connect distribution board complete with all switchgear, accessories, all fitted in the factory and tested, including delivery to site and off-loading				
1	Distribution board SB-K (See Drawing No. 33547.00/312-03 REV T0)	No	1		
2	Distribution board SB-K2 (See Drawing No. 33547.00/312-03 REV T0)	No	1		
3	Distribution board SB-K1 (See Drawing No. 33547.00/312-02 REV T0)	No	1		
4	Distribution board MDB (See Drawing No. 33547.00/312-02 REV T0)	No	1		
	CABLES AND TERMINATIONS				
	Supply and install multi-core PVC/PVC/SWA/PVC, copper conductor cable including terminations and all accessories. Cables laid in ducts or trenches, horizontal racks, cable tray or sleeves and fixing support. Cable trenches, ducts, sleeves measured elsewhere				
	From Utility to SDB-K				
5	2x185mm2 4 core cable	m	150		
6	150mm2 ICEW	m	150		
	Carried to Collection			R	
	Low Voltage Reticulation				

7	2x185mm2 4 core cable terminations	No	4		
8	150mm2 ICEW terminations	No	4		
	From Utility to MBD-K				
9	70mm2 4 core cable	m	50		
10	50mm2 ICEW	m	50		
11	70mm2 4 core cable terminations	No	2		
12	50mm2 ICEW terminations	No	2		
	From Utility to SBD-K1				
13	150mm2 4 core cable	m	100		
14	120mm2 ICEW	m	100		
15	150mm2 4 core cable terminations	No	2		
16	120mm2 ICEW terminations	No	2		
	From SBD-K1 to SBD-K2				
17	35mm2 4 core cable	m	30		
18	25mm2 ICEW	m	30		
19	35mm2 4 core cable terminations	No	2		
20	25mm2 ICEW terminations	No	2		
	Carried to Collection			R	
	Low Voltage Reticulation				

	TRUNKING				
	Supply and install cable ladder complete with all accessories and steel covers				
21	300mm Cable Ladder	No	280		
22	300mm Horizontal/vertical elbow	No	2		
23	300 x 300mm Tee	No	1		
	Carried to Collection			R	
	Low Voltage Reticulation				

Section No. 4

Bill No. 1

Low Voltage Reticulation

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	125 126 127		
Carried Forward to Summary of Section No. 2		R	
Low Voltage Reticulation			

Item No			Quantity	Rate	Amount
	SECTION 4 - ELECTRICAL WORK				
	BILL NO. 2				
	GENERAL PURPOSE OUTLETS AND LIGHTING (Provisional)				
	CONDUIT				
	Supply and install PVC conduit complete with all accessories including couplings, bending and fixings as specified				
1	25mm - cast in concrete, built in partition, brickwork or ceiling void	m	2 430		
2	32mm - cast in concrete, built in partition, brickwork or ceiling void	m	150		
3	35mm - cast in concrete, built in partition, brickwork or ceiling void	m	330		
4	40mm - cast in concrete, built in partition, brickwork or ceiling void	m	500		
	CONDUIT BOXES				
	Supply and install conduit boxes complete with all accessories including conduit terminations				
5	60mm round, 25mm deep for 25mm PVC conduit mounted flush in wall or fixed to surface	No	109		
6	100 x 50 x 50mm steel conduit box excluding covers	No	48		
7	100 x 100 x 50mm steel conduit box excluding covers	No	132		
	Carried to Collection			R	
	General Purpose Outlets and Lighting				

	WIRING AND CONDUCTORS				
	Supply and install PVC insulated copper conductors in required colours, drawn into conduit or trunking				
8	2.5mm² Insulated Wire	m	2 440		
9	4mm² Insulated Wire	m	1 400		
10	1.5mm² B.C.E.W.	m	740		
11	2.5mm² B.C.E.W.	m	1 500		
12	2.5mm² Insulated earth wire	m	80		
	CABLES AND TERMINATIONS				
	Supply and install multi-core PVC/PVC/SWA/PVC, copper conductor cable including terminations and all accessories. Cables laid in ducts or trenches, horizontal racks, cable tray or sleeves and fixing support. Cable trenches, ducts, sleeves measured elsewhere				
	From SBD-K to 3PH Isolator				
13	16mm2 4 core cable	No	320		
14	10mm2 ICEW	No	320		
15	16mm2 4 core cable terminations	No	24		
16	10mm2 ICEW terminations	No	24		
	From SBD-K to 3PH Isolator				
17	10mm2 4 core cable	m	460		
18	6mm2 ICEW	m	460		
19	10mm2 4 core cable terminations	No	40		
20	6mm2 ICEW terminations	No	40		
	Carried to Collection			R	
	General Purpose Outlets and Lighting				

	From SBD-K to 3PH Isolator				
21	4mm2 4 core cable	m	100		
22	2,5mm2 ICEW	m	100		
23	4mm2 4 core cable terminations	No	8		
24	2,5mm2 ICEW terminations	No	8		
	From SBD-K to 1PH Isolator				
25	6mm2 4 core cable	No	50		
26	4mm2 ICEW	No	50		
27	6mm2 4 core cable terminations	No	4		
28	4mm2 ICEW terminations	No	4		
	LIGHT SWITCHES				
	Supply, install and connect flush mounted light switch complete with cover plate and all accessories				
29	16A 1 lever 1 way	No	26		
30	16A 2 lever 1 way	No	8		
31	16A 1 lever 2 way	No	13		
32	360 degree on/off presence detector	No	3		
	Carried to Collection			R	
	General Purpose Outlets and Lighting				

	LUMINARIES				
	Supply, Install and connect luminaries mounted as specified, complete with lamps, control gear and all accessories				
33	Type C1, 600x600mm 30W LED, 4000K 3245LM recessed white powder coated seamless aluminium extruded frame luminary complete with low glare prismatic diffuser, 3m cabtyre and 6A pulgtop (Regent Lighting Luxon Prism or equal approved)	No	44		
34	Type C3, 600x600mm 30W LED, 4000K 3245LM recessed white powder coated seamless aluminium extruded frame luminaire complete with low glare prismatic diffuser, 3m cabtyre, 6A pulgtop and 60 minutes emergency battery backup power, (Regent Lighting Luxon Prism or equal approved)	No	29		
35	Type F1, 1278x112mm 33W LED 4000K 4883LM Surface mounted vapour proof luminaire abs base with stainless steel non corrosive clips, uv stabilised polycarbonate diffuser and 3m cabtyre. (Regent Lighting Nimbus or equal approved)	No	23		
36	Type F2, 1278x112mm 33W LED 4000K 4883LM Surface mounted vapour proof luminaire abs base with stainless steel non corrosive clips, uv stabilised polycarbonate diffuser and 3m cabtyre. Complete with 60 minutes emergency battery backup power (Regent Lighting Nimbus or equal approved)	No			RATE ONLY
37	Type I1, 16W LED 4000K, 2098LM Round ceiling mounted, black powder coated die cast aluminium body, IP66 bulkhead luminaire complete with UV stabilized high impact opal diffuser. (Regent Lighting Solo or equal approved)	No	15		
38	Type I2, 16W LED 4000K, 2098LM Round wall mounted, black powder coated die cast aluminium body, IP66 bulkhead luminaire complete with UV stabilized high impact opal diffuser. (Regent Lighting Solo or equal approved)	No	7		
	Carried to Collection			R	
	General Purpose Outlets and Lighting				

39	Type EXIT, 310x310x65mm 14W LED 4000K 2584LM, wall mount exit signage luminaire with fibreglass frame, toughened glass lens green on white labelling and cut out at the bottom with perspex cover for threshold lighting and 60 minutes battery backup (Voltex E10-14WLED EMG or equal approved)	No			RATE ONLY
	SWITCHED AND UNSWITCHED SOCKET OUTLETS				
	Supply, install and connect socket outlets mounted flush in wall or as specified, complete with cover plates and all accessories				
40	16A 3-pin normal single switched socket and 16A 164-2 (2P+E) socket outlet combination	No	80		
41	16A 3-pin normal single switched socket and 16A 164-2 (2P+E) socket outlet combination IP65 (in yorkbox)	No	1		
42	16A 3-pin double dedicated switch socket outlet (Red)	No	2		
43	16A 3-pin dedicated single switch socket outlet (Red) on power skirting	No	3		
44	16A 3-pin normal single switch socket outlet (white) on power skirting	No	3		
45	16A 3-pin normal single switched socket with 2 x euro socket outlet combination	No	22		
46	5A unswitched socket outlet	No	51		
	ISOLATORS				
	Supply and install Isolators mounted flush or surface on wall complete with cover plate, steel conduit box and all accessories.(Cabtree or equal approved)				
47	Three phase isolator surface mounted against soffit or wall	No	2		
	Carried to Collection			R	
	General Purpose Outlets and Lighting				

48	Single phase isolator surface mounted against soffit or wall	No	19		
49	Single phase isolator recessed in wall	No	5		
50	Three phase isolator recessed in wall	No	18		
51	63A (3P+N+E 5 PIN) Three phase electrical outlet point IP44 for inside and IP65 for outside	No	18		
52	32A (2P+E) Single phase electrical outlet point IP44 for inside and IP65 for outside	No	2		
	TRUNKING				
	Supply and install wiring trunking complete with all accessories and steel covers				
53	P9000 Trunking	m	410		
54	P8000 Trunking	m	240		
	Extra on P9000 trunking for				
55	Horizontal/Vertical Elbow	No	14		
56	Tee	No	14		
57	4 Way	No	18		
58	End Cap	No	28		
59	DB-Entry	No	4		
	Extra on P8000 trunking for				
60	Horizontal/Vertical Elbow	No	9		
61	Tee	No	6		
62	4 Way	No	13		
	Carried to Collection			R	
	General Purpose Outlets and Lighting				

63	End Cap	No	14		
64	DB-Entry	No	2		
	ELECTRONIC CONDUIT INSTALLATION				
	Supply and install PVC/ Galvanised conduit complete with all accessories including couplings, bending and fixings as specified				
65	25mm - PVC cast in concrete, built in partition, brickwork or ceiling void	m	500		
66	25mm - Galvanised surface mounted or in ceiling void	m	100		
67	60mm round, 25mm deep for 25mm PVC conduit mounted flush in wall or fixed to surface	No	8		
	Carried to Collection			R	
	General Purpose Outlets and Lighting				

Section No. 4

Bill No. 2

General Purpose Outlets and Lighting

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	129		
	130		
	131		
	132		
	133		
	134		
	135		
Carried Forward to Summary of Section No. 2		R	
General Purpose Outlets and Lighting			

SECTION SUMMARY - Section 4 - Electrical Work

Bill No		Page No		Amount
1	Low Voltage Reticulation	128		
2	General Purpose Outlets and Lighting	136		

CARRIED TO FINAL TENDER SUMMARY R

Item No			Quantity	Rate	Amount
	SECTION 5 - MECHANICAL WORK				
	BILL NO 1				
	MECHANICAL WORK (Provisional)				
	GROUND & FIRST FLOOR : KITCHEN EXTRACT AIR & MAKE-UP FRESH AIR SUPPLY SYSTEMS				
	All rates supplied in this Bill of Quantities will be deemed to include scaffolding to any height and fixing of mechanical ventilation ductwork, piping and wiring, up to and including roof height. All ducts and pipes suspended from concrete slabs, roof, ceiling, etc. shall be deemed to include in the rates all necessary hanger brackets, threaded rod (irrespective of the suspension length), nuts, washers, anchors and drilling of holes in the concrete slab.				
	KITCHEN EXTRACTION CANOPY				
	Supply and install, Canopies & Axial Fan, uninsulated round and rectangular sheet metal ductwork including transformation pieces, bends, tees, spigots, etc, installed on roof, manufactured in accordance with SANS 1238:2005 and SANS 10173:2003, as amended, including all necessary supports, fixing, brackets, flexible connections, etc.				
1	C-1:& C-2:(6200L x 1600W X 600(H))@ 4960L/s, Supply and install a wall mounted Grade 304 stainless steel push-pull type kitchen extraction canopy complete with electrical connections, light fittings, flashing, removable filters and drip tray, electrical wiring and connections, on/off switch and other auxiliaries as per SANS requirements	No	2		
	Carried to Collection			R	

2	C-3:(2800L x 1300W X 600(H))@ 1274L/s, Supply and install a wall mounted Grade 304 stainless steel push-pull type kitchen extraction canopy complete with electrical connections, light fittings, flashing, removable filters and drip tray, electrical wiring and connections, on/off switch and other auxiliaries as per SANS requirements	No	1		
3	C-4:(2900L x 1200W X 600(H))@ 1740L/s, Supply and install a wall mounted Grade 304 stainless steel push-pull type kitchen extraction canopy complete with electrical connections, light fittings, flashing, removable filters and drip tray, electrical wiring and connections, on/off switch and other auxiliaries as per SANS requirements	No	1		
4	C-5:(2650L x 1200W X 600(H))@ 740L/s, Supply and install a wall mounted Grade 304 stainless steel push-pull type kitchen extraction canopy complete with electrical connections, light fittings, flashing, removable filters and drip tray, electrical wiring and connections, on/off switch and other auxiliaries as per SANS requirements	No	1		
5	C-1:& C-2:(2500L x 1200W X 600(H))@ 1500L/s, Supply and install a wall mounted Grade 304 stainless steel push-pull type kitchen extraction canopy complete with electrical connections, light fittings, flashing, removable filters and drip tray, electrical wiring and connections, on/off switch and other auxiliaries as per SANS requirements	No	2		
6	C-3:& C-4:(5500L x 1200W X 600(H))@ 3300L/s, Supply and install a wall mounted Grade 304 stainless steel push-pull type kitchen extraction canopy complete with electrical connections, light fittings, flashing, removable filters and drip tray, electrical wiring and connections, on/off switch and other auxiliaries as per SANS requirements	No	2		
	Carried to Collection			R	
	Air Conditioning				

7	C-5:(2650L x 1200W X 600(H))@ 795L/s, Supply and install a wall mounted Grade 304 stainless steel push-pull type kitchen extraction canopy complete with electrical connections, light fittings, flashing, removable filters and drip tray, electrical wiring and connections, on/off switch and other auxiliaries as per SANS requirements	No	1		
8	Supply and install, EAF - MB: 01 - 13,73m3/s @ 320Pa; Extract Air- Axia fan c/w with duct transformation fittings ,sound attenuator, air filters, burglar bars, external louvre and accessories	No	1		
9	Supply and install, EAF: 01 & 02- 4800l/s @ 350Pa; Extract Air- Axia fan c/w with duct transformation fittings ,sound attenuator, air filters, burglar bars, external louvre and accessories	No	2		
10	Supply and install, OAF 01 - 1200l/s @ 250Pa; Extract Air- Axia fan c/w with duct transformation fittings ,sound attenuator, air filters, burglar bars, external louvre and accessories	No	1		
11	Supply and install, OAF- MB 01 - 10.98m3/s @ 320Pa; Extract Air- Axia fan c/w with duct transformation fittings ,sound attenuator, air filters, burglar bars, external louvre and accessories	No	1		
	DUCTING & FITTINGS				
12	348 x 300 Duct	m	6		
13	350 x 300 Duct	m	10		
14	450 x 500 Duct	m	8		
15	500 x 600 Duct	m	6		
16	600 x 400 Duct	m	30		
17	1200 x 550 Duct	m	12		
18	1200 x 1200 Duct	m	12		
	Carried to Collection			R	

19	1500 x 1100 Duct	No	12		
20	1500 X 1100 TO 1200 X 1200 Duct Reducer Piece	No	2		
21	1200 X 1200 TO 500 x 650 Duct Reducer Piece	No	2		
22	900mm Diameter x 1500 X 1100 Duct Transformation Piece	No	2		
23	350 X 300 Elbow Band Piece	No	2		
24	600 X 400 Elbow Band Piece	No	2		
25	400 X 500 Elbow Band Piece	No	6		
26	600 X 400 45deg. Band Piece	No	4		
27	600 X 400 Shoe Take Off Piece	No	2		
28	450 X 500 Shoe Take Off Piece	No	2		
29	350 X 300 Shoe Take Off Piece	No	2		
30	500 x 600 Duct Stop End	No	2		
31	Hangers and consumables			SUM	
	KITCHEN MAKE-UP FRESH AIR SUPPLY				
	Supply and install, Axial Fan, uninsulated round and rectangular sheet metal ductwork including transformation pieces, bends, tees, spigots, etc, installed on roof, manufactured in accordance with SANS 1238:2005 and SANS 10173:2003, as amended, including all necessary supports, fixing, brackets, flexible connections, etc.				
32	OAF : 01 - 10,98m3/s Fresh air supply Axial fan c/w with, transformation pieces sound attenuator, air filters, burglar bars, external louvre and accessories	No	2		
	Carried to Collection			R	

	DUCTING & FITTINGS				
33	1000 x 1300 Duct	m	20		
34	1000 x 800 Duct	m	12		
35	900 x 600 Duct	m	10		
36	700 x 800 Duct	m	16		
37	1200 x 300 Duct	No	6		
38	400 x 500 Duct	No	2		
39	200mm Diameter duct	No	12		
40	300mm Diameter take off	m	32		
41	300mm Diameter flexible duct	m	24		
42	1200 x 600 Supply Air Grille	No	18		
43	1700 x 2900 Weather Louvre Complete with filters for 10,98m3/s	No	2		
44	150mm Diameter take off	No	2		
45	600 x 500 Take Off	No	2		
46	450 x 500 Take Off	No	2		
47	1000 x 800 Take Off	No	2		
48	200mm Diameter duct elbow bend	No	2		
49	600 x 600 Supply Air Grille	No	4		
50	400 x 500 Duct Elbow Bend	No	2		
51	900 x 600 Duct Elbow Bend	No	2		
52	1000 x 1300 Duct Elbow Bend	No	4		
	Carried to Collection			R	
	Air Conditioning				

53	1000 x 1300 Duct Elbow Bend	No	4		
54	1700 x 2900 To 1000 x 1300 Duct Transformation Piece	No	2		
55	1000 x 1300 To 700 x 1800 Duct Transformation Piece	No	2		
56	1000 x 800 To 900 x 600 Duct Transformation Piece	No	2		
57	700 x 800 to 200mm Diameter duct transformation piece	No	2		
58	1700 x 2900 Weather Louvre Complete with filters for 10,98m3/s	No	2		
	Carried to Collection			R	

Section No. 5

Bill No. 1

Air Conditioning

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	138		
	139		
	140		
	141		
	142		
	143		
Carried Forward to Summary of Section No. 2		R	

Air Conditioning

Item No			Quantity	Rate	Amount
	SECTION 5 - MECHANICAL WORK				
	BILL NO 2				
	FIRE PROTECTION INSTALLATION (Provisional)				
	These bills of quantities form part of and must be read in conjunction with the Technical Specifications and Drawings, which contain the full descriptions of the work to be done and material and equipment to be used. Unless otherwise described in these bills of quantities, reference should be made to the Technical Specifications for the full meaning of descriptions of work to be done and materials and equipment to be used in this service. All materials, equipment, fixings, brackets, etc, are to be supplied by the Contractor unless otherwise stated.				
	FIRE AND DIRECTIONAL SIGNAGE **Photo luminescent fire and directional signage in multiples of 190 x 190mm as SANS 1186 - 1&5 photo luminescent, installed in accordance with SANS 10400 and framed with standard aluminium moulding and mounted with concealed screws to brickwork or concrete.**				
1	Directional signage type E3.	No	4		
2	Fire signage type F13.	No	14		
3	Fire signage type F35.	No	8		
4	FIRE EXTINGUISHERS 4,5kg Dry Chemical Powder (DCP) type fire extinguisher with bracket fixed to and including single cabinet mounted on the brick wall.	No	14		
5	Kitchen Fire Blanket Supply 1,8m x 1,8m fire Blanket	No	8		
	Carried Forward to Summary of Section No. 2			R	
	Fire Protection				

Item No			Quantity	Rate	Amount
	SECTION 5 - MECHANICAL WORK				
	BILL NO 3				
	SMOKE DETECTION SYSTEM - GROUND FLOOR (Provisional)				
	All rates supplied in these bills of quantities will be deemed to include scaffolding to any height and fixing of the smoke detection system, and wiring, up to and including roof height. All installations suspended from concrete slabs, roof, ceiling, etc. shall be deemed to include in the rates all necessary hanger brackets, threaded rod (irrespective of the suspension length), nuts, washers, anchors and drilling of holes in the concrete slab.				
	SMOKE DETECTION INSTALLATION				
1	Smoke Detection Control Panel Supply & install a 2-loop analogue Addressable Smoke Detection Control Panel, including all related accessories. The panel shall be similar or equal to the Ziton ZP3 2 Loop Panel.	No	2		
2	Optical Smoke Detectors	No	19		
3	Optical Heat Detectors	No	13		
4	Ceiling Void Detectors	No	19		
5	Detector labels	No	94		
6	Network communication card to mimic panel	No	2		
7	Sounders/Beacons	No	16		
8	Break Glass Units For Addressable Manual Call Point	No	8		
	Carried to Collection			R	
	Smoke Detection Installation				

	Note: Conduits and connections to be done by electrical installer				
9	Base sounder/strobes	No	16		
10	Fire Resistant Cables, PH30 In Accordance with SANS 10139	m	300		
11	Galvanised Conduit - 25mm with steel saddles	m	300		
12	I/O units for shut down of mechanical installations Fresh air fan shut down points	No	10		
	Carried to Collection			R	
	Smoke Detection Installation				

Section No. 5

Bill No. 3

Smoke Detection Installation

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	146 147		
Carried Forward to Summary of Section No. 2 Smoke Detection Installation		R	

Item No		Quantity	Rate	Amount
	SECTION 5 - MECHANICAL WORK			
	BILL NO 4			
	REFRIGERATION INSTALLATION (Provisional)			
	COLD & FREEZER ROOMS			
	For layouts and details of cold and freezer rooms refer to Refrigeration Layouts as per Mechanical drawings 33547.01-732-01, 33547.01-732-03, and Architectural Drawings WCS015-500, 501, 507, 510 and 516.			
	All refrigeration equipment is to be complete with compressors, condensers, PW/LO switches, oil separators, accumulators, pixel electric controllers and all necessary accessories. Al refrigerant piping are to be soft drawn copper pipes and shall be insulated with Arma-Flex. Condensers are to be installed on a purpose made bracket manufactured from galvanised steel.			
	All rates supplied in this Bill of Quantities will be deemed to include scaffolding to any height and fixing of refrigeration panels, ductwork and pipework. All ducts and pipes suspended from concrete slabs, roof, ceiling, etc. shall be deemed to include in the rates all necessary hanger brackets, threaded rod (irrespective of the suspension length), nuts, washers, anchors and drilling of holes in the concrete slab.			
	Carried to Collection		R	

	Cold Rooms constructed of 70mm thick polyurethane clad with 0.6mm White Chromadek fluted and insulated panels both sides, to sides and ceilings, including all corners, angles, intersections etc, complete with all condensing units and refrigeration equipment, condensate piping, connection to electrical installation etc, executed complete				
1	Cold room 3 approximately 1780 x 2005 x 2400mm high as per Drawing 33547.01-732.03, wCS015-510 and Specification 33547.01 Section C.	No	1		
2	Cold room 1 approximately 2100 x 2005 x 2400 mm high as per Drawing 33547.01-732.03, WCS015-510 and Specification 33547.01 Section C.	No	1		
3	Cold room 2 approximately 2230 x 2005 x 2400mm high as per Drawing 33547.01-732.03, WCS015-510 and Specification 33547.01 Section C.	No	1		
4	Cold room 2 (Beverage Cold Room) approximately 4530 x 1800 x 2400mm high as per Drawing 33547.01-732.01, WCS015-507 and Specification 33547.01 Section C.	No	1		
5	Cold room 1 approximately 4330 x 5540 x 2400 mm high as per Drawing 33547.01-732.01, WCS015-501 and Specification 33547.01 Section C.	No	1		
	Freezer Rooms constructed of 100mm thick polyurethane clad with 0.6mm White Chromadek fluted and insulated panels both sides, to sides and ceilings, including all corners, angles, intersections etc, complete with all condensing units and refrigeration equipment, condensate piping, connection to electrical installation etc, executed complete				
6	Freezer room 2 approximate size 2100 x 1800 x 2400mm high as per drawing 33547.01-732.01, WC015-516 and Specification 33547.01	No	1		
	Carried to Collection			R	
	Refrigeration				

7	Freezer room 1 approximate size 1800 x 3100 x 2400mm high as per drawing 33547.01-732.03 and Specification 33547.01	No	1		
8	Freezer room 2 approximate size 1800 x 3100 x 2400mm high as per drawing 33547.01-732.03 and Specification 33547.01	No	1		
9	Freezer room 3 approximate size 2450 x 2800 x 2400mm high as per drawing 33547.01-732.03, WCS015-510 and Specification 33547.01	No	1		
10	Freezer room 1 approximate size 4250 x 3300 with extension approximately 1190 x 1540 x 2400mm high as per drawing 33547.01-732.01, WC015-500 and Specification 33547.01	No	1		
	Carried to Collection			R	
	Refrigeration				

Section No. 5

Bill No. 4

Refrigeration

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	149 150 151		
Carried Forward to Summary of Section No. 2		R	

Refrigeration

SECTION SUMMARY - Section 5 : Mechanical Work

Bill No		Page No		Amount
1	Air Conditioning	144		
2	Fire Protection	145		
3	Smoke Detection Installation	148		
4	Refrigeration	152		

CARRIED TO FINAL TENDER SUMMARY R

FINAL SUMMARY

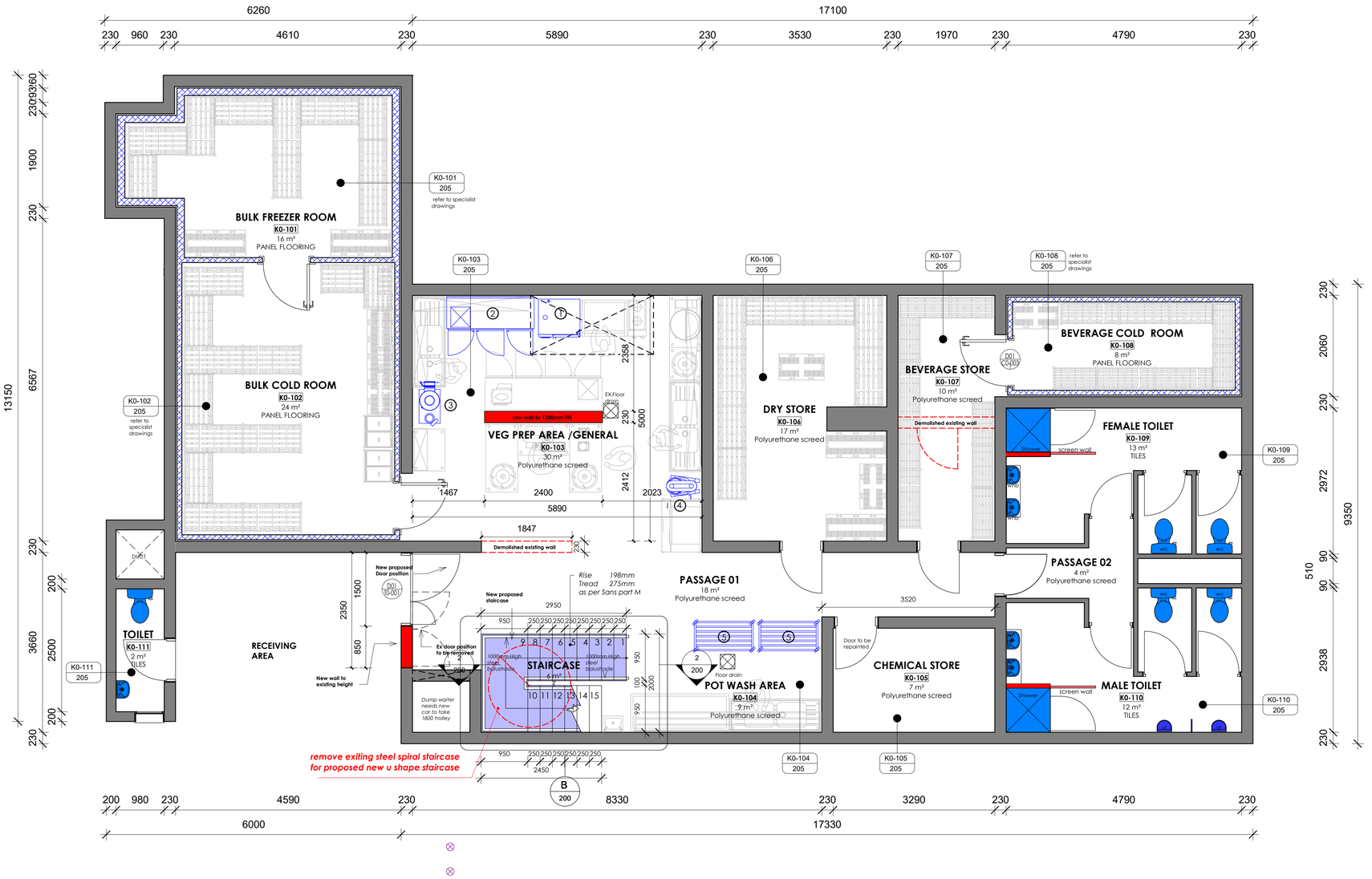
Section No		Page No		Amount
1	Section 1: Preliminaries	56		
2	Section 2: Builder's Work	120		
3	Section 3: Provisional Sums	124		
4	Section 4 - Electrical Work	137		
5	Section 5 : Mechanical Work	153		
	Sub-total		R	
	Allow Fifteen per cent (15%) of the above sub-total for Value Added Tax		R	
	TOTAL CARRIED FORWARD TO DPW-07 (EC) (INCLUDING VAT)		R	

Final Summary

FINAL SUMMARY

Section No		Page No		Amount
1	Section 1: Preliminaries	56		
2	Section 2: Builder's Work	120		
3	Section 3: Provisional Sums	124		
4	Section 4 - Electrical Work	137		
5	Section 5 : Mechanical Work	153		
	Sub-total		R	
	Allow Fifteen per cent (15%) of the above sub-total for Value Added Tax		R	
	TOTAL CARRIED FORWARD TO DPW-07 (EC) (INCLUDING VAT)		R	

Drawings



100 - GROUND FLOOR PLAN
SCALE 1 : 50

KITCHEN EQUIPMENTS

90 PLEIN KITCHEN

ITEM NUMBER	DESCRIPTION	QYT
1	10 PAN COMBI STEAMER WITH AND INCLUDING STACKED	2
2	2.5 GLASS DOOR UNDER FRIDGE	2
3	12KG POTATO PEELER WITH TIMER	1
4	20-LITRE PLANETARY MIXER	1
5	600-PIECE MOBILE CROCKERY RACK	3
6	4 BURNER GAS RANGE WITH OVEN	1
7	90 DEGREES SIZE 1300MM LONG X 13000MM HIGH ROLLER OUTLET TABLE	1
8	APPROVED RACK CONVEYOR DISHWASHER	1

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:
• CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
• STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

GENERAL COUNCIL NOTES:
ALL WORK TO BE DONE FROM FIGURED DIMENSIONS ONLY. ALL WORK MUST COMPLY WITH NATIONAL BUILDING REGULATIONS SANS 10400AND THE RELEVANT PARTS OF SANS 2001. ALL DIMENSIONS AND LEVELS TO BE CONFIRMED ON SITE PRIOR TO THE COMMENCEMENT OF WORK. ALL DIMENSIONS TO BE CONFIRMED ON SITE BEFORE PRODUCING SHOP DRAWINGS OR MANUFACTURING OF ANY COMPONENT. ALL DIMENSIONS TO BE CONFIRMED ON SITE BEFORE ORDERING OF ANY COMPONENT. THE MODEL PREAMBLES FOR TRADES 2008 PUBLISHED BY THE ASSOCIATION OF SOUTH AFRICAN QUANTITY SURVEYORS ARE TO BE APPLIED TO THIS PROJECT. THIS DOCUMENT AND THE ACCOMPANYING DRAWINGS HAVE BEEN PREPARED NDS, SOLELY FOR THE PURPOSE OF OBTAINING COUNCIL APPROVAL FROM THE LOCAL MUNICIPALITY BY DEMONSTRATING COMPLIANCE OF THE PROPOSED BUILDING WITH THE APPLICABLE NATIONAL BUILDING REGULATIONS. THE ARCHITECT HAS BEEN APPOINTED TO PREPARE THESE DOCUMENTS ONLY AND HAS NOT PARTICIPATED IN THE DESIGN OF THE BUILDING NOR WILL BE INVOLVED IN THE CONSTRUCTION OR THE EXECUTION OF THE BUILDING FIT-OUT, WHICH INCLUDES, BUT IS NOT LIMITED TO THE SAFETY AND EMERGENCY INSTALATIONS WHICH ARE THE RESPONSIBILITY OF THE CLIENT AND PROJECT ASSIGMENTS PTY LTD. THE ARCHITECT EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE USE OF THESE DOCUMENTS FOR ANY PURPOSES BEYOND THEIR SUBMISSION TO THE LOCAL MUNICIPALITY FOR APPROVAL AND DEMONSTRATION OF COMPLIANCE WITH THE NATIONAL BUILDING REGULATIONS. THESE DOCUMENTS ARE NOT INTENDED FOR AND SHALL NOT BE USED FOR CONSTRUCTION PURPOSES OR AS A BASIS FOR THE EXECUTION OF THE PROJECT. THE ARCHITECT MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, REGARDING THE SUITABILITY OF THESE DOCUMENTS FOR ANY CONSTRUCTION OR IMPLEMENTATION ACTIVITIES. THE CLIENT AND THEIR APPOINTED CONTRACTORS AND CONSULTANTS ARE RESPONSIBLE FOR ENSURING THAT THE PROJECT COMPLIES WITH THESES DOCUMENTS TOGETHER WITH ALL APPLICABLE LAWS, REGULATIONS, AND STANDARDS, INCLUDING BUT NOT LIMITED TO THOSE RELATED TO SAFETY, CONSTRUCTION, AND ENVIRONMENTAL IMPACTS. THE ARCHITECT SHALL NOT BE LIABLE FOR ANY DAMAGES, LOSSES, OR EXPENSES ARISING OUT OF OR IN CONNECTION WITH THE USE OF THESE DOCUMENTS FOR PURPOSES OTHER THAN THEIR INTENDED USE AS SPECIFIED HEREIN. THIS INCLUDES, WITHOUT LIMITATION, ANY LIABILITY FOR CONSTRUCTION DEFECTS, DELAYS, OR NON-COMPLIANCE WITH ANY LAWS OR REGULATIONS. BY USING THESE DOCUMENTS FOR ANY PURPOSE OTHER THAN THEIR INTENDED USE, THE USER AGREES TO INDEMNIFY AND HOLD HARMLESS THE ARCHITECT FROM AND AGAINST ANY CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF SUCH USE.

SITE OPERATIONS:
SITE OPERATION TO BE IN ACCORDANCE WITH SANS 10400 PART F.

SAFETY:
ALL IN ACCORDANCE WITH SANS 10400 PART S, ALL BALUSTRADES AND HANDRAILS TO COMPLY WITH SANS 10400 PART -S. ALL RAMPS TO COMPLY WITH SANS 10400 PART-S,

WINDOWS AND DOORS
ALL DOORS AND WINDOWS AS SPECIFIED ON DOOR & WINDOW SCHEDULES.
INTERNAL CILLS TO BE PLASTERED TO DET. DRAWING
OVER ALL OPENINGS NOT EXCEEDING 3M LAID TO MANUFACTURER'S SPECIFICATIONS.
ALL GLAZING IN EXCESS OF 1 SQUARE METRE OR LESS THAN 500MM AFFL IS TO BE SAFETY GLAZED IN ACCORDANCE WITH BUILDING REGULATIONS
ALL GLAZING TO BE IN ACCORDANCE WITH SANS 10400 PART N AS PER AAAMSA.
EXISTING DOORS TO BE SANDED DOWN AND PAINTED, AS PER SPECIALIST DETAILS
IRONMONGERY TO BE SERVICED CLEANED AND REUSED

DEMOLITIONS AND ALTERATIONS
ALL DEMOLITIONS TO BE DONE IN TERMS OF THE LOCAL AUTHORITY BY-LAWS. DESCRIPTIONS OF DEMOLITIONS GIVE A ROUGH GUIDE ONLY AS TO THE SCOPE OF THE WORK. TENDERERS ARE THEREFORE ADVISED TO VISIT THE SITE BEFORE SUBMITTING A TENDER AND TO ACQUAINT THEMSELVES WITH THE NATURE AND EXTENT OF THE WORK TO BE DONE AND THE VALUE OF RECOVERABLE MATERIALS WHICH ARE NOT TO BE RE-USED OR HANDED OVER TO THE EMPLOYER, UNLESS OTHERWISE STATED. LOOSE FURNITURE, KITCHEN AND OTHER EQUIPMENT, APPARATUS, MACHINERY, ETC. SHALL REMAIN THE PROPERTY OF THE EMPLOYER. HOWEVER THE CONTRACTOR IS TO ALLOW IN THEIR PRICE FOR THE REMOVAL OF ALL SUCH ITEMS. THE CONTRACTOR MUST ESTABLISH THE STRUCTURAL NATURE OF THE WALLS TO BE DEMOLISHED AND DETERMINE WHETHER THERE ARE SERVICES LOCATED IN THE WALLS, PRIOR TO COMMENCING DEMOLITION WORK AND REPORT THE STATUS OF THE WALLS TO THE CLIENT OR CLIENTS AGENT. THE CONTRACTOR MUST OBTAIN PERMISSION FROM THE STRUCTURAL ENGINEER TO CHASE HORIZONTALLY INTO BRICK FOR ANY CONDUITS OR PIPES. THE CONTRACTOR TO SURVEY AND MARK THE POSITION OF ALL SUBSURFACE SERVICES WITHIN THE CONSTRUCTION AREA PRIOR TO COMMENCING ANY WORK AND TO SUBMIT A DRAWING OF THE SURVEYED SERVICES TO THE ARCHITECT AND ENGINEER. THE CONTRACTOR SHALL OBTAIN A WRITTEN INSTRUCTION FOR ANY CHANGES THAT ARE REQUIRED DUE TO THE SURVEYED DATA PRIOR TO PUTTING ANY DEVIATION WORK IN HAND. REMOVAL OF ANY ASBESTOS ROOF IS TO BE DONE BY A SPECIALIST CONTRACTOR AND IS TO BE DONE STRICTLY IN ACCORDANCE WITH SANS AS WELL AS LOCAL AUTHORITY AND BY-LAWS. THE CONTRACTOR SHALL MAKE GOOD IN ALL TRADES TO EXISTING WORK WHICH HAS BEEN DAMAGED OR DISTURBED THROUGH THE ALTERATIONS WITH ALL NEW MATERIALS OR TO MATCH EXISTING WHERE APPLICABLE. PLASTER WORK AT NEW AND EXISTING MASONRY JUNCTIONS TO BE SCORED AND SEALED WITH POLYURETHANE SEALANT TO ALLOW FOR MOVEMENT. NEW MASONRY TIED INTO EXISTING MASONRY WITH GALV. HOOP IRON STRAPS SHOT FIRED EVERY 2ND COURSE INTO EXISTING MASONRY AND DRESSED A MIN. OF 600MM INTO NEW MASONRY , MOVEMENT JOINT IN PLASTER BETWEEN NEW AND EXISTING MASONRY, SCREED, FLOOR FINISH AND CEILING MODIFIED TO RECEIVE SEALANT. ALL SURFACES OR FINISHES AFFECTED BY THE ALTERATION WORK TO BE MADE GOOD. ALL FINISHES TO MATCH EXISTING UNLESS OTHERWISE SPECIFIED.

WALL PAINT
WEATHER BUCKLER MODIFIED ACRYLIC PAINT (COLOUR TO BE SELECTED) TO INTERIOR CEMENT PLASTER, SURFACE TO BE CLEAN, DRY AND DUST FREE WITH A MOISTURE CONTENT OF LESS THAN 15%. PRIME SURFACE WITH ONE COAT APCOAT PRIMER FOR NEW PLASTER WITH AN OVERCOATING TIME OF 18 HOURS AND FINISH WITH TWO COATS WEATHER BUCKLER ,THINNING THE FIRST COAT UP TO 10% WITH WATER WITH AN OVERCOATING TIME OF 4 HOURS. ON INTERNAL WALLS

WALL TILES FINISHES
100MM X 200MM CERAMIC WALL TILES WITH EPOXY GROUT TO UNDERSIDE OF CEILING - COLOUR AS PER APPROVED SAMPLE **ALLOW ALL NEW WALL RENDERING TO CURE FOR AT LEAST 14 DAYS.**
THE RENDERING MUST BE FIRMLY ATTACHED TO THE SUBSTRATE, MUST BE INTEGRALLY SOUND (NO CRUMBLING, CRACKING, ETC) AND MUST BE OF A QUALITY AND CONSISTENCY SUITABLE FOR TILING IE ABLE TO SUPPORT THE ADDED WEIGHT OF THE ADHESIVE AND TILE. ALL DAMAGED, DEFECTIVE, DETERIORATED OR HOLLOW SOUNDING AREAS MUST BE REMOVED AND MADE GOOD BEFORE PROCEEDING. RENDERS SHOULD BE LEFT WITH A WOODFLOATED FINISH AND MUST NOT BE SKIMCOATED WITH GYPSUM PLASTER **THE SUBSTRATE MUST BE CLEAN AND DRY AND FREE FROM ALL TRACES OF DUST, LOOSE PARTICLES AND SURFACE CONTAMINANTS WHICH COULD IMPAIR ADHESION.**

WALLS
MASONRY:- ALL IN ACCORDANCE WITH SANS 10400 PART K
ALL WALLS TO BE CONSTRUCTED WITH CLAY BRICKS. ALL WALLS (INTERNAL & EXTERNAL) TO HAVE GMS BRICK FORCE EVERY FOURTH COURSE ALL IN ACCORDANCE WITH THE STRUCTURAL ENGINEERS DETAILS.
230mm NFX clay brick cavity walls consisting of 110mm inner and outer skins with 10mm cavity with 5no wall ties per m²
375 micron 'brickgrip' embossed DPC to be provided horizontally in all external walls at floor level..
ALL OPENINGS IN THE EXTERNAL BRICKWORK TO HAVE VERTICAL AND HORIZONTAL "GUNIPLAS" DAMP PROOF COURSES (250MICRON) AROUND OPENINGS. DPC AT FFL TO BE POSITIONED 150MM ABOVE PAVING OR NGL.
ALL OPENINGS LESS THAN 3000MM TO HAVE PC LINTELS OVER. THE TOP FOUR COURSES ABOVE THE PC LINTELS TO HAVE BRICKFORCE IN EACH COURSE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. OPENINGS EXCEEDING 3000MM TO HAVE RC BEAMS OVER TO THE STRUCTURAL ENGINEER'S DETAILS.
INTERNAL WALLS TO BE PLASTERED AND PAINT FINISHED (AS PER FINISHES AND PAINT SCHEDULE).
ALL EXTERNAL TO BE AS PER FINISHES AND PAINT SCHEDULE
ALL EXTERNAL LOAD BEARING BRICKWORK AND INTERNAL NON LOAD BEARING BRICKWORK TO BE BUILT WITH BRICKS WITH THE APPROPRIATE CRUSHING STRENGTH.

STRUCTURE
ALL RELATED WORK TO STRUCTURE TO BE CARRIED OUT TO STRUCTURAL ENGINEER'S DETAILS/REQUIREMENTS AND UNDER HIS/HER SUPERVISON

FLOOR FINISHES
EXISTING FLOOR FINISHES TO BE REMOVED. SCREEDS TO FALL TO FLOOR DRAINS AS PER THE WET SERVICES LAYOUTS. STRIP THE EXISTING FLOOR COVERING TO EXPOSE THE SCREED/TOPPING.
THE SCREED HAS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF **25MPA AS MINIMUM REQUIREMENT** TO RECEIVE **POLYSCREED RT** (3DAYS)
SHOULD THE SCREED FAIL TO MEET THIS REQUIREMENT, IT MUST BE REMOVED AND REPLACED.(1 WEEK + 1 WEEK CURING)
SHOULD THE SCREED COMPLY TO THIS REQUIREMENT, IT MUST BE SMOOTHED BY MECHANICAL GRINDING.(3 DAYS)
INSTALL **POLYSCREED RT ACCORDING TECHNICAL FINISHES** GUIDELINES, AND CURE (7 DAYS)
THE **POLYSCREED RT** MUST BE INSTALLED BY AN ACCREDITED TECHNICAL FINISHES CONTRACTOR TO RETAIN ANY PRODUCT WARRANTEE.

COLD ROOM
COLD ROOM FLOORS BY SPECIALIST

SUSPENDED CEILING
Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum 21.50 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

KITCHEN EQUIPMENT
KITCHEN EQUIPMENT TO BE SURVEYED AND REUSED WHERE POSSIBLE AS PER THE QUANTITY SURVEYORS ALLOWANCE AND RECOMMENDATION

NOTES:

COPYRIGHT AND RIGHT OF REPRODUCTION OF THIS DRAWING IS RESERVED BY THE ARCHITECT.

GENERAL NOTES:

THIS DRAWING IS NOT TO BE SCALED.

FIGURED DIMENSIONS TO BE USED AT ALL TIMES.

CONTRACTOR IS RESPONSIBLE FOR CORRECT SETTING OUT OF THE BUILDING. ALL EXTERNAL AND INTERNAL WALLS WITH PARTICULAR REFERENCE TO BUILDINGLINES, BOUNDARIES, ETC..

CONTRACTOR TO VERIFY ALL LEVELS, HEIGHTS AND DIMENSIONS ON SITE AND TO CHECK SAME AGAINST THE DRAWING BEFORE PUTTING ANY WORKIN HAND.

ALL CONTRACTORS TO CHECK DETAILS SHOWN ON THIS DRAWINGS FOR COMPLIANCE WITH STANDARDS OF GOOD BUILDING PRACTICE WITH PARTICULAR REFERENCE TO SPECIAL REQUIREMENTS NECESSITATED BY LOCAL AND OR ON SITE CONDITIONS AND REPORT ANY COMMENT TO THE ARCHITECT.

RC STRUCTURE TO STRUCTURAL ENGINEERS DETAIL AND SPECIFICATION

ANY ERROR DISCREPANCIES OR OMMISSIONS TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

FINAL DIMENSIONS TO BE TAKEN ON SITE BEFORE ORDERING, SUPPLYING AND FIXING PROPRIETARY ON DETAILED FITINGS.

CONTRACTORS ARE TO LOCATE AND IDENTIFY EXISTING SERVICES ON SITE AND TO PROJECT THESE FROM DAMAGE THROUGHOUT THE DURATION OF THE WORKS.

CONTRACTORS ARE TO BUILD IN D.P.C.'S WHETHER OR NOT THESE ARE SHOWN ON DRAWINGS TO ALL EXTERNAL WALLS. AT EACH FLOOR AND TO ALL WINDOWS, DOORS OR OTHER OPENINGS IN EXTERNAL WALLS. CAVITY WALLS TO HAVE STEPPED D.P.C.'S.

CONTRACTOR TO BUILD IN BRICK FORCE EVERY 5TH COURSE IN BRICK WALLS AND EVERY 2ND COURSE ABOVE WINDOWS, DOORS AND ALL OTHER OPENINGS.

ALL GLAZING IN COMPLIANCE WITH DSS SANS 10400-PART N LATEST EDITION

ALL DOOR AND WINDOW OPENINGS TO BE IN ACCORDANCE WITH THE DOOR AND WINDOW SCHEDULES

QUALITY OF ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH THE RELEVANT S.A.B.S. AND B.S.S. SPECIFICATIONS.

ANY QUERIES ARISING FROM ALL THE ABOVE MUST BE REPORTED TO THE ARCHITECT FOR CLARIFICATION BEFORE ANY WORK IS PUT ON HAND.

No.	DATE	AMENDMENT	D.P.W
A	2019/05/28	Issue for information	
B	2019/07/12	Issue via email	
C	2019/08/19	Issue via email	
D	2019/11/06	Issue for information	
E	2021/08/18	Issue for information	
F	2024/09/06	Issue for tender	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DWG'S:

DRAWING SCHEDULE

DRAWING NUMBER	DRAWING NAME
100	GROUND FLOOR
101	FIRST FLOOR
200	STAIRCASE DETAIL
210	GROUND FLOOR CEILING 90 PLEIN
211	FIRST FLOOR CEILING 90 PLEIN
500	BULK FREEZER ROOM K0-101
501	BULK COLD ROOM K0 - 102
502	VEG PREP AREA /GENERAL K0 - 103
503	POT WASH AREA K0 - 104
504	CHEMICAL STORE K0 - 105
505	DRY STORE K0 - 106
506	BEVERAGE STORE K0 - 107
507	BEVERAGE COLD ROOM KO - 108
508	FEMALE TOILET K0 - 109
509	MALE TOILET K0 - 110
510	TOILET K0 - 111
511	COOKING AREA K1-201
512	DISHWASH AREA K1-202
513	OFFICE K1-203
514	STORE ROOM K1-204
515	BREAKFAST KITCHEN K1-205
516	FREEZER K1-206
700	DOOR & WINDOW SCHEDULE

CLIENT
public works & infrastructure
Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

ARCHITECTURE | DESIGN | INNOVATION
THE CREATIVE AXIS ARCHITECTS
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ARCHITECT	SACAP No.	SIGNATURE
ANIL PARSHOTAM	5349	

TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

90 PLEIN KITCHEN

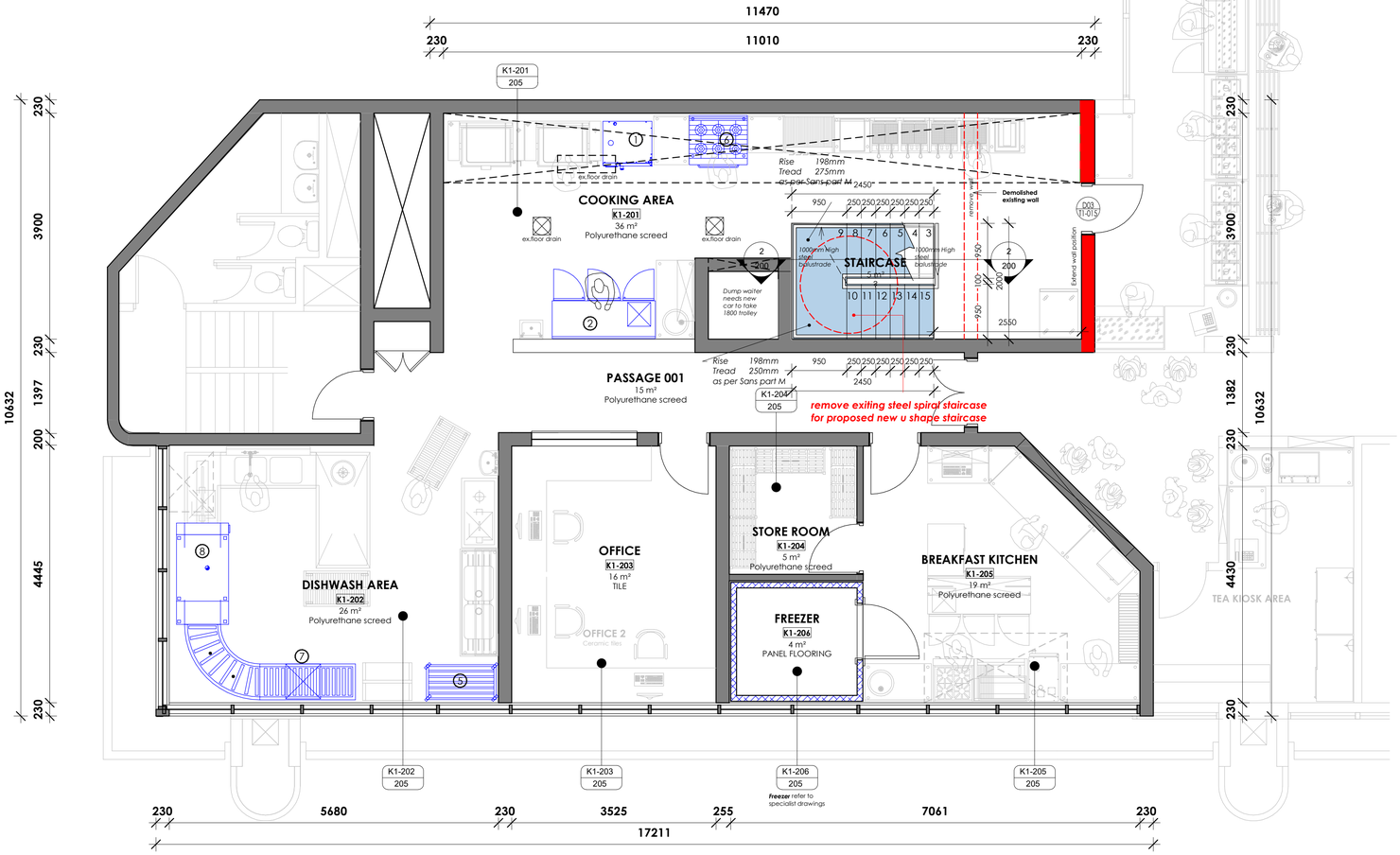
DRAWING
GROUND FLOOR

SCALE	DATE	DRAWN	CHECKED
1 : 50	06/09/2024	A.N	B.R

PROJECT NUMBER — PAGE SIZE **A 1**

DRAWING NUMBER — REVISION

WC015 - 100 — F



101 - FIRST FLOOR PLAN
SCALE 1 : 50

KITCHEN EQUIPMENTS

90 PLEIN KITCHEN

ITEM NUMBER	DESCRIPTION	QYT
1	10 PAN COMBI STEAMER WITH AND INCLUDING STACKED	2
2	2.5 GLASS DOOR UNDER FRIDGE	2
3	12KG POTATO PEELER WITH TIMER	1
4	20-LITRE PLANETARY MIXER	1
5	600-PIECE MOBILE CROCKERY RACK	3
6	4 BURNER GAS RANGE WITH OVEN	1
7	90 DEGREES SIZE 1300MM LONG X 13000MM HIGH ROLLER OUTLET TABLE	1
8	APPROVED RACK CONVEYOR DISHWASHER	1

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
- - - - - - -	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

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SITE OPERATIONS:
SITE OPERATION TO BE IN ACCORDANCE WITH SANS 10400 PART F.

SAFETY:
ALL IN ACCORDANCE WITH SANS 10400 PART S, ALL BALUSTRADES AND HANDRAILS TO COMPLY WITH SANS 10400 PART -S, ALL RAMPS TO COMPLY WITH SANS 10400 PART-S.

WINDOWS AND DOORS
ALL DOORS AND WINDOWS AS SPECIFIED ON DOOR & WINDOW SCHEDULES.
INTERNAL CILLS TO BE PLASTERED TO DET. DRAWING
OVER ALL OPENINGS NOT EXCEEDING 3M LAID TO MANUFACTURER'S SPECIFICATIONS.
ALL GLAZING IN EXCESS OF 1 SQUARE METRE OR LESS THAN 500MM AFFL IS TO BE SAFETY GLAZED IN ACCORDANCE WITH BUILDING REGULATIONS
ALL GLAZING TO BE IN ACCORDANCE WITH SANS 10400 PART N AS PER AAAMSA.
EXISTING DOORS TO BE SANDED DOWN AND PAINTED, AS PER SPECIALIST DETAILS
IRONMONGERY TO BE SERVICED CLEANED AND REUSED

DEMOLITIONS AND ALTERATIONS
ALL DEMOLITIONS TO BE DONE IN TERMS OF THE LOCAL AUTHORITY BY-LAWS. DESCRIPTIONS OF DEMOLITIONS GIVE A ROUGH GUIDE ONLY AS TO THE SCOPE OF THE WORK. TENDERERS ARE THEREFORE ADVISED TO VISIT THE SITE BEFORE SUBMITTING A TENDER AND TO ACQUAINT THEMSELVES WITH THE NATURE AND EXTENT OF THE WORK TO BE DONE AND THE VALUE OF RECOVERABLE MATERIALS WHICH ARE NOT TO BE RE-USED OR HANDED OVER TO THE EMPLOYER, UNLESS OTHERWISE STATED. LOOSE FURNITURE, KITCHEN AND OTHER EQUIPMENT, APPARATUS, MACHINERY, ETC., SHALL REMAIN THE PROPERTY OF THE EMPLOYER. HOWEVER THE CONTRACTOR IS TO ALLOW IN THEIR PRICE FOR THE REMOVAL OF ALL SUCH ITEMS. THE CONTRACTOR MUST ESTABLISH THE STRUCTURAL NATURE OF THE WALLS TO BE DEMOLISHED AND DETERMINE WHETHER THERE ARE SERVICES LOCATED IN THE WALLS. PRIOR TO COMMENCING DEMOLITION WORK AND REPORT THE STATUS OF THE WALLS TO THE CLIENT OR CLIENTS AGENT. THE CONTRACTOR MUST OBTAIN PERMISSION FROM THE STRUCTURAL ENGINEER TO CHASE HORIZONTALLY INTO BRICK FOR ANY CONDUITS OR PIPES. THE CONTRACTOR TO SURVEY AND MARK THE POSITION OF ALL SUBSURFACE SERVICES WITHIN THE CONSTRUCTION AREA PRIOR TO COMMENCING ANY WORK AND TO SUBMIT A DRAWING OF THE SURVEYED SERVICES TO THE ARCHITECT AND ENGINEER. THE CONTRACTOR SHALL OBTAIN A WRITTEN INSTRUCTION FOR ANY CHANGES THAT ARE REQUIRED DUE TO THE SURVEYED DATA PRIOR TO PUTTING ANY DEVIATION WORK IN HAND. REMOVAL OF ANY ASBESTOS ROOF IS TO BE DONE BY A SPECIALIST CONTRACTOR AND IS TO BE DONE STRICTLY IN ACCORDANCE WITH SANS AS WELL AS LOCAL AUTHORITY AND BY-LAWS. THE CONTRACTOR SHALL MAKE GOOD IN ALL TRADES TO EXISTING WORK WHICH HAS BEEN DAMAGED OR DISTURBED THROUGH THE ALTERATIONS WITH ALL NEW MATERIALS OR TO MATCH EXISTING WHERE APPLICABLE. PLASTER WORK AT NEW AND EXISTING MASONRY JUNCTIONS TO BE SCORED AND SEALED WITH POLYURETHANE SEALANT TO ALLOW FOR MOVEMENT. NEW MASONRY TIED INTO EXISTING MASONRY WITH GALV. HOOP IRON STRAPS SHOT FIRED EVERY 2ND COURSE INTO EXISTING MASONRY AND DRESSED A MIN. OF 600MM INTO NEW MASONRY . MOVEMENT JOINT IN PLASTER BETWEEN NEW AND EXISTING MASONRY, SCREED, FLOOR FINISH AND CEILING MODIFIED TO RECEIVE SEALANT. ALL SURFACES OR FINISHES AFFECTED BY THE ALTERATION WORK TO BE MADE GOOD. ALL FINISHES TO MATCH EXISTING UNLESS OTHERWISE SPECIFIED.

WALL PAINT
WEATHER BUCKLER MODIFIED ACRYLIC PAINT (COLOUR TO BE SELECTED) TO INTERIOR CEMENT PLASTER. SURFACE TO BE CLEAN, DRY AND DUST FREE WITH A MOISTURE CONTENT OF LESS THAN 15%. PRIME SURFACE WITH ONE COAT APCOAT PRIMER FOR NEW PLASTER WITH AN OVERCOATING TIME OF 18 HOURS AND FINISH WITH TWO COATS WEATHER BUCKLER ,THINNING THE FIRST COAT UP TO 10% WITH WATER WITH AN OVERCOATING TIME OF 4 HOURS. ON INTERNAL WALLS

WALL TILES FINISHES
100MM X 200MM CERAMIC WALL TILES WITH EPOXY GROUT TO UNDERSIDE OF CEILING - COLOUR AS PER APPROVED SAMPLE **ALLOW ALL NEW WALL RENDERING TO CURE FOR AT LEAST 14 DAYS.**
THE RENDERING MUST BE FIRMLY ATTACHED TO THE SUBSTRATE, MUST BE INTEGRALLY SOUND (NO CRUMBLING, CRACKING, ETC) AND MUST BE OF A QUALITY AND CONSISTENCY SUITABLE FOR TILING IE ABLE
TO SUPPORT THE ADDED WEIGHT OF THE ADHESIVE AND TILE. ALL DAMAGED, DEFECTIVE, DETERIORATED OR HOLLOW SOUNDING AREAS MUST BE REMOVED AND MADE GOOD BEFORE PROCEEDING. RENDERS SHOULD BE LEFT WITH A WOODFLOATED FINISH AND MUST NOT BE SKIMCOATED WITH GYPSUM PLASTER.**THE SUBSTRATE MUST BE CLEAN AND DRY AND FREE FROM ALL TRACES OF DUST, LOOSE PARTICLES AND SURFACE CONTAMINANTS WHICH COULD IMPAIR ADHESION.**

WALLS
MASONRY, ALL IN ACCORDANCE WITH SANS 10400 PART K
ALL WALLS TO BE CONSTRUCTED WITH CLAY BRICKS. ALL WALLS (INTERNAL & EXTERNAL) TO HAVE GMS BRICK FORCE EVERY FOURTH COURSE ALL IN ACCORDANCE WITH THE STRUCTURAL ENGINEERS DETAILS.
230mm MFX clay brick cavity walls consisting of 110mm inner
and outer skins with 10mm cavity with 5no wall ties per m²
375 micron 'brickgrip' embossed DPC to be provided horizontally in all external walls at floor level.
ALL OPENINGS IN THE EXTERNAL BRICKWORK TO HAVE VERTICAL AND HORIZONTAL "GUNPLAS" DAMP PROOF COURSES (250MICRON) AROUND OPENINGS. DPC AT FFL TO BE POSITIONED 150MM ABOVE PAVING OR NGL.
ALL OPENINGS LESS THAN 3000MM TO HAVE PC LINTELS OVER. THE TOP FOUR COURSES ABOVE THE PC LINTELS TO HAVE BRICKFORCE IN EACH COURSE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. OPENINGS EXCEEDING 3000MM TO HAVE RC BEAMS OVER TO THE STRUCTURAL ENGINEER'S DETAILS.
INTERNAL WALLS TO BE PLASTERED AND PAINT FINISHED (AS PER FINISHES AND PAINT SCHEDULE)
ALL EXTERNAL TO BE AS PER FINISHES AND PAINT SCHEDULE
ALL EXTERNAL LOAD BEARING BRICKWORK AND INTERNAL NON LOAD BEARING BRICKWORK TO BE BUILT WITH BRICKS WITH THE APPROPRIATE CRUSHING STRENGTH.

STRUCTURE
ALL RELATED WORK TO STRUCTURE TO BE CARRIED OUT TO STRUCTURAL ENGINEER'S DETAILS/REQUIREMENTS AND UNDER HIS/HER SUPERVISON

FLOOR FINISHES
EXISTING FLOOR FINISHES TO BE REMOVED. SCREEDS TO FALL TO FLOOR DRAINS AS PER THE WET SERVICES LAYOUTS. STRIP THE EXISTING FLOOR COVERING TO EXPOSE THE SCREED/TOPPING.
THE SCREED HAS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF **25MPA AS MINIMUM REQUIREMENT** TO RECEIVE **POLYSCREED RT** (3DAYS)
SHOULD THE SCREED FAIL TO MEET THIS REQUIREMENT, IT MUST BE REMOVED AND REPLACED.(1 WEEK + 1 WEEK CURING)
SHOULD THE SCREED COMPLY TO THIS REQUIREMENT, IT MUST BE SMOOTHED BY MECHANICAL GRINDING.(3 DAYS)
INSTALL **POLYSCREED RT ACCORDING TECHNICAL FINISHES** GUIDELINES, AND CURE (7 DAYS)
THE **POLYSCREED RT** MUST BE INSTALLED BY AN ACCREDITED TECHNICAL FINISHES CONTRACTOR TO RETAIN ANY PRODUCT WARRANTEE.

COLD ROOM
COLD ROOM FLOORS BY SPECIALIST

SUSPENDED CEILING
Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum 2150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

KITCHEN EQUIPMENT
KITCHEN EQUIPMENT TO BE SURVEYED AND REUSED WHERE POSSIBLE AS PER THE QUANTITY SURVEYORS ALLOWANCE AND RECOMMENDATION

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TENDER DRAWING

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90 PLEIN KITCHEN

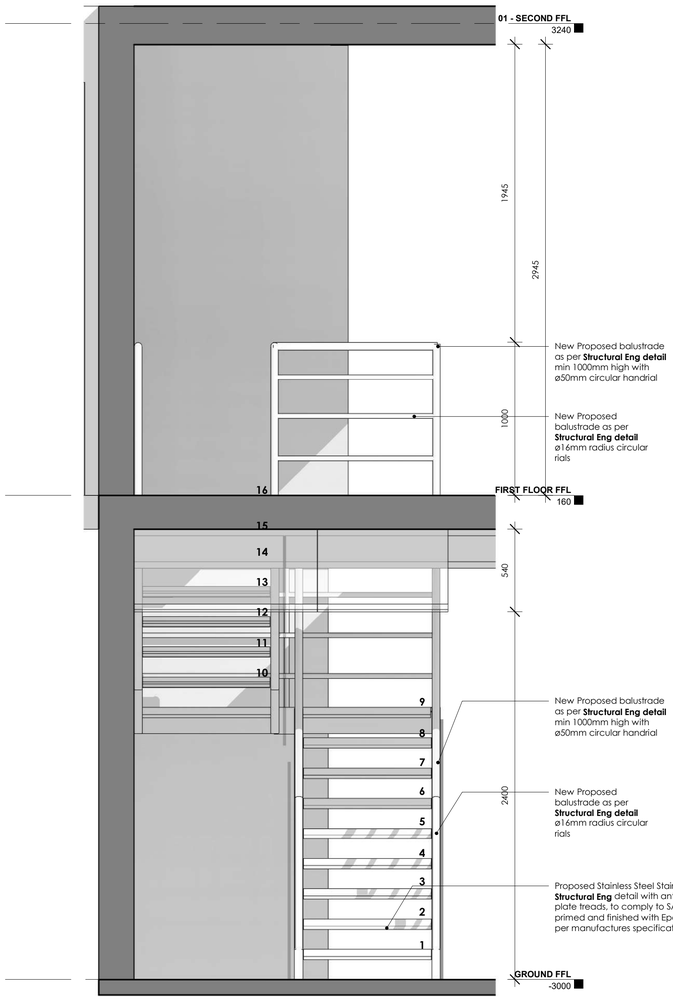
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FIRST FLOOR

SCALE	DATE	DRAWN	CHECKED
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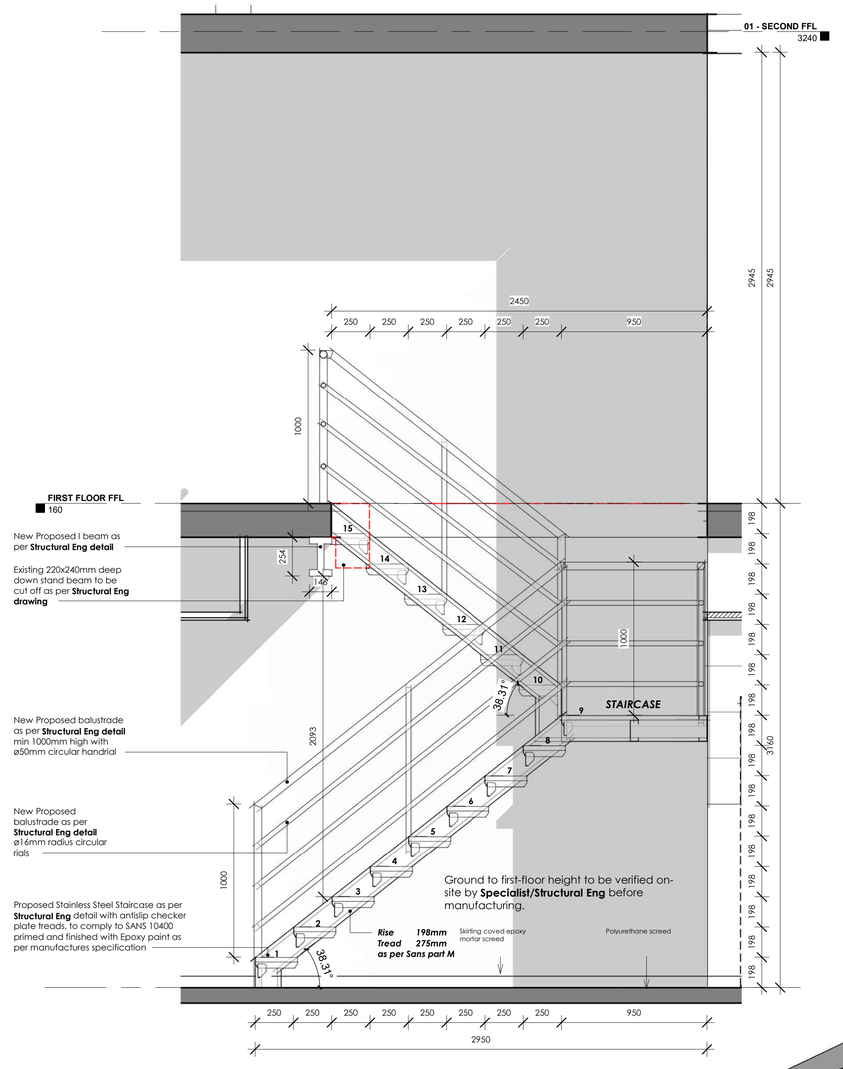
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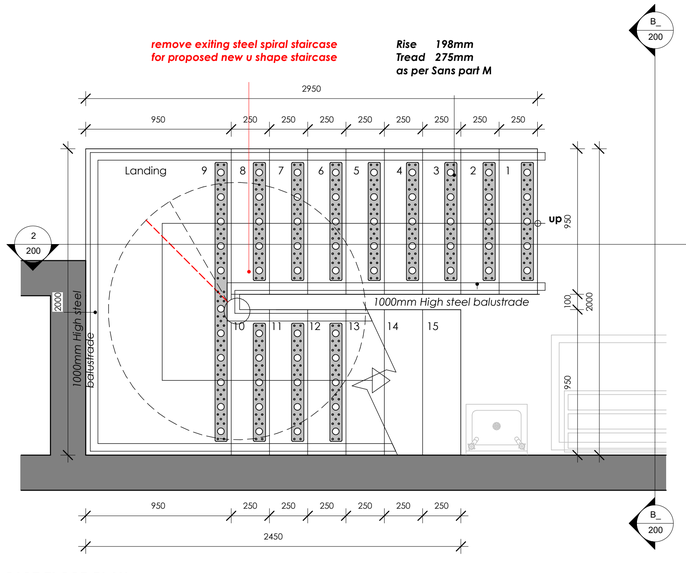
WC015 - 101 — F



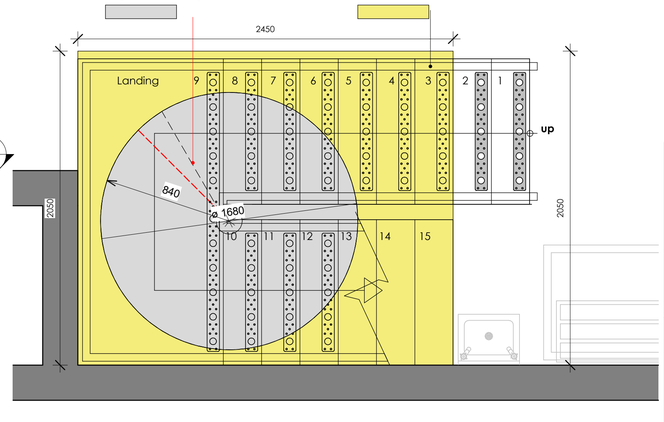
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SCALE 1 : 20



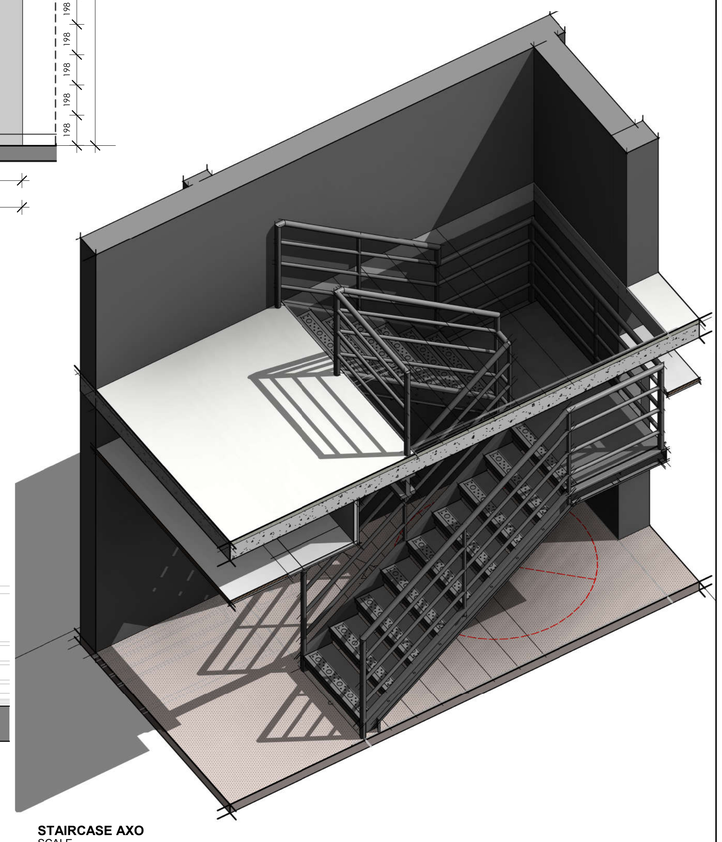
SECTION A - A
SCALE 1 : 20



STAIR CASE FLOOR PLAN
SCALE 1 : 20



STAIR CASE OPENING
SCALE 1 : 20



STAIRCASE AXO
SCALE

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
- - - - - - -	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

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public works & infrastructure

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REPUBLIC OF SOUTH AFRICA

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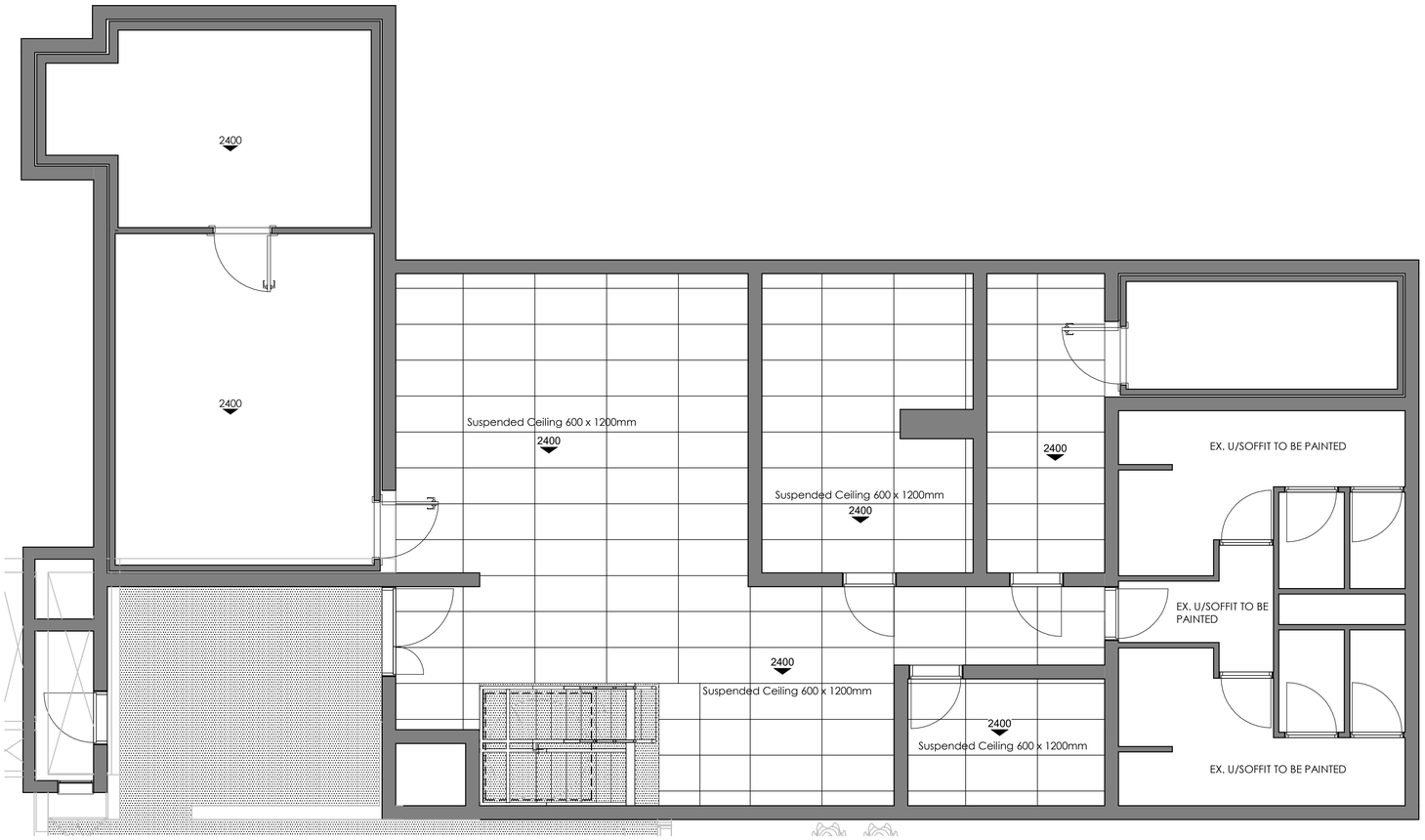
DRAWING
STAIRCASE DETAIL

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R

PROJECT NUMBER — PAGE SIZE **A1**

DRAWING NUMBER — REVISION

WC015 - 200 — E



GROUND FLOOR CEILING PLAN
SCALE 1 : 50

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
– – – – – – –	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

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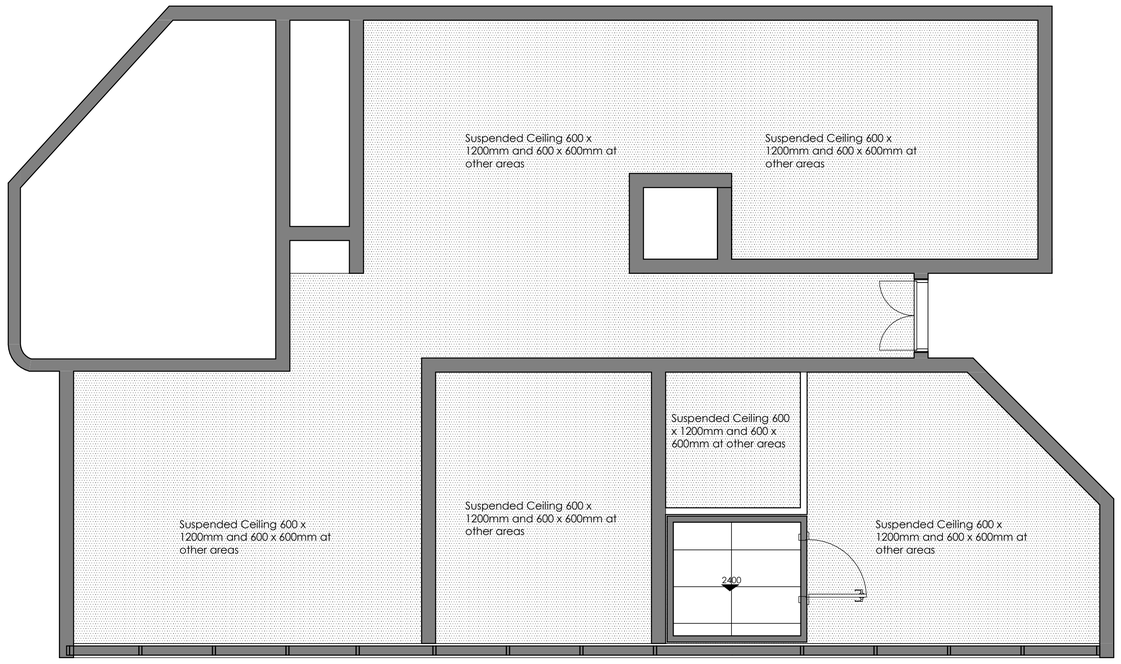
DRAWING
GROUND FLOOR CEILING 90 PLEIN

SCALE	DATE	DRAWN	CHECKED
1 : 50	06/09/2024	A.N	B.R

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DRAWING SCHEDULE

DRAWING NUMBER	DRAWING NAME
100	GROUND FLOOR
101	FIRST FLOOR
200	STAIRCASE DETAIL
210	GROUND FLOOR CEILING 90 PLEIN
211	FIRST FLOOR CEILING 90 PLEIN
500	BULK FREEZER ROOM K0-101
501	BULK COLD ROOM K0 - 102
502	VEG PREP AREA /GENERAL K0 - 103
503	POT WASH AREA K0 - 104
504	CHEMICAL STORE K0 - 105
505	DRY STORE K0 - 106
506	BEVERAGE STORE K0 - 107
507	BEVERAGE COLD ROOM KO - 108
508	FEMALE TOILET K0 - 109
509	MALE TOILET K0 - 110
510	TOILET K0 - 111
511	COOKING AREA K1-201
512	DISHWASH AREA K1-202
513	OFFICE K1-203
514	STORE ROOM K1-204
515	BREAKFAST KITCHEN K1-205
516	FREEZER K1-206
700	DOOR & WINDOW SCHEDULE

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

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public works & infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

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Cape Town, 7530
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ANIL PARSHOTAM	5349	

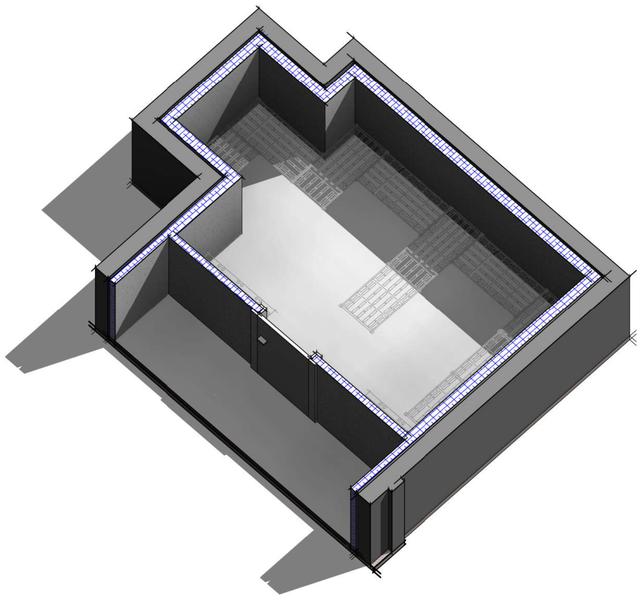
TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

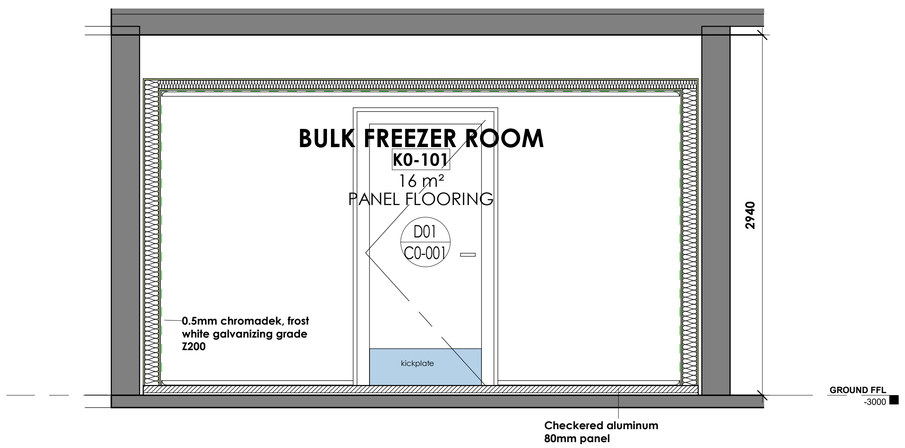
90 PLEIN KITCHEN

DRAWING
FIRST FLOOR CEILING 90 PLEIN

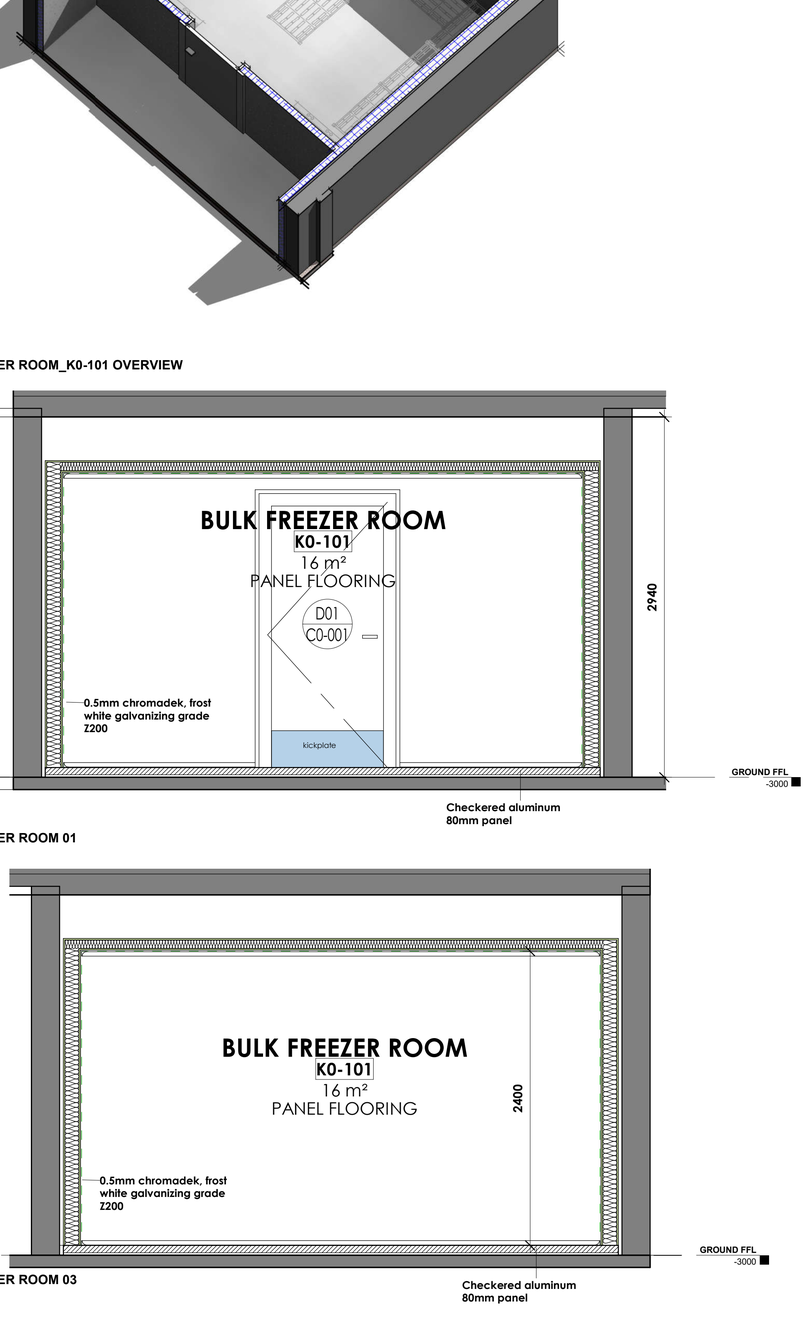
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PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 211			E



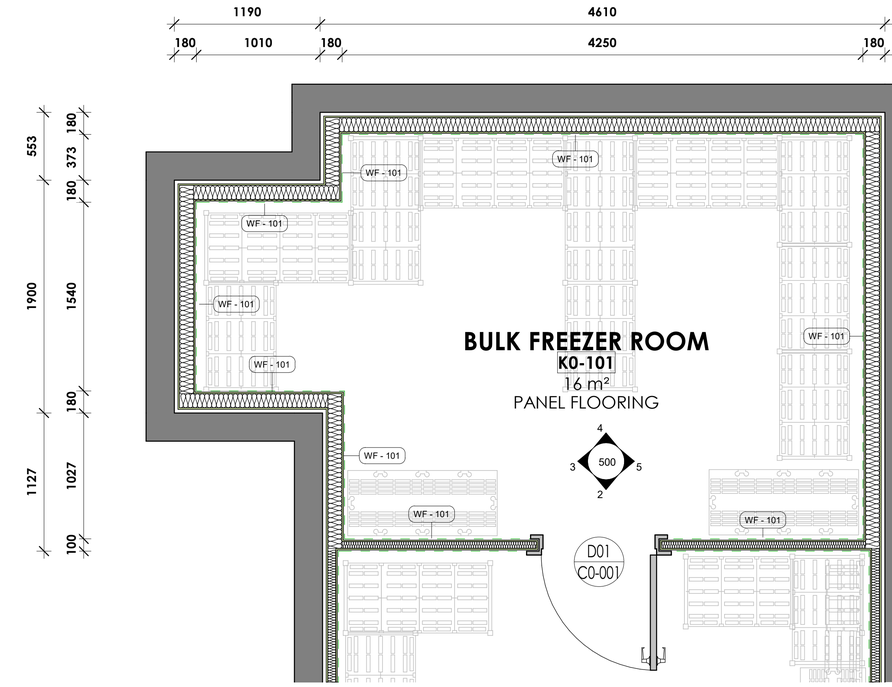
BULK FREEZER ROOM_K0-101 OVERVIEW
SCALE



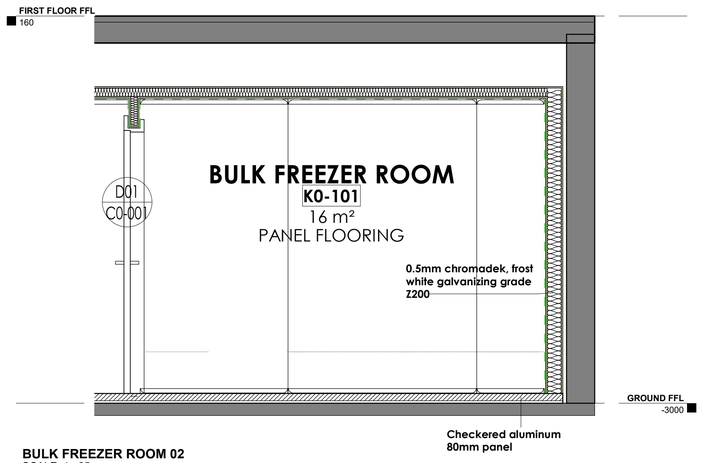
BULK FREEZER ROOM 01
SCALE 1 : 25



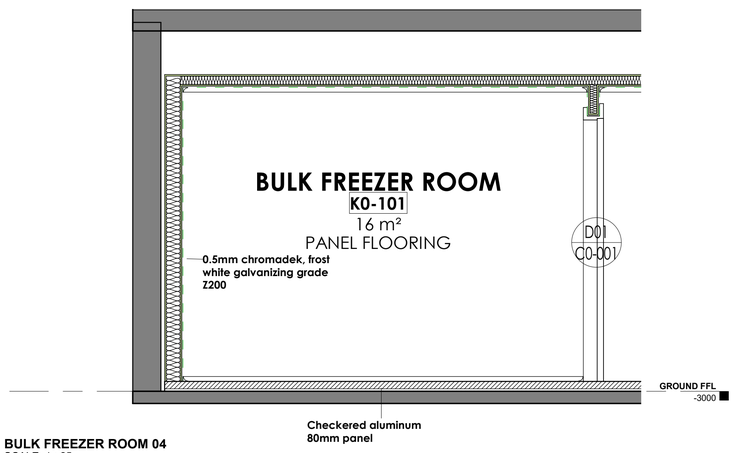
BULK FREEZER ROOM 03
SCALE 1 : 25



500 -BULK FREEZER ROOM DATA_K0-101
SCALE 1 : 25



BULK FREEZER ROOM 02
SCALE 1 : 25



BULK FREEZER ROOM 04
SCALE 1 : 25

KEY PLAN LEGEND K0 -101

NEW ALTERATIONS		
KEY LEGEND	DESCRIPTION	SPECIFICATION
WF - 101	Wall Finish	0.5mm chromadek, frost white galvanizing grade Z200
C0 - 001	Cold room door	As per specilist spec

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
– – – – – – –	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:
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- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

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ALL GLAZING IN COMPLIANCE WITH DSS SANS 10400-PART N LATEST EDITION

ALL DOOR AND WINDOW OPENINGS TO BE IN ACCORDANCE WITH THE DOOR AND WINDOW SCHEDULES

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516	FREEZER K1-206
700	DOOR & WINDOW SCHEDULE

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TENDER DRAWING

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PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

90 PLEIN KITCHEN

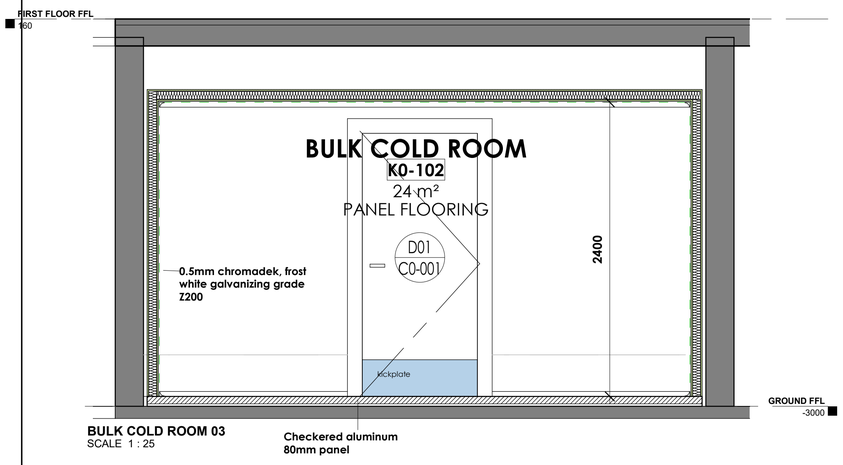
DRAWING
BULK FREEZER ROOM K0-101

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R

PROJECT NUMBER — PAGE SIZE A1

DRAWING NUMBER — REVISION

WC015 - 500 — F



BULK COLD ROOM 03
SCALE 1 : 25

KEY PLAN LEGEND K0 -102

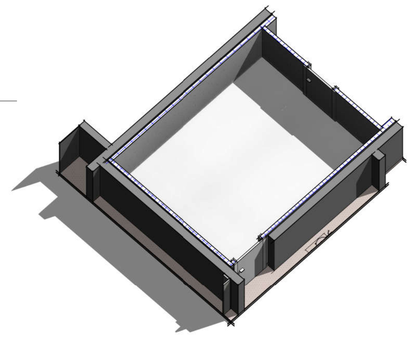
NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 101	Wall Finish	0.5mm chromadek, frost white galvanizing grade Z200
C0 - 001	Cold room door	As per specilist spec
C0 - 002	Cold room door	As per specilist spec

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
– – – – – – – –	DEMOLISHED

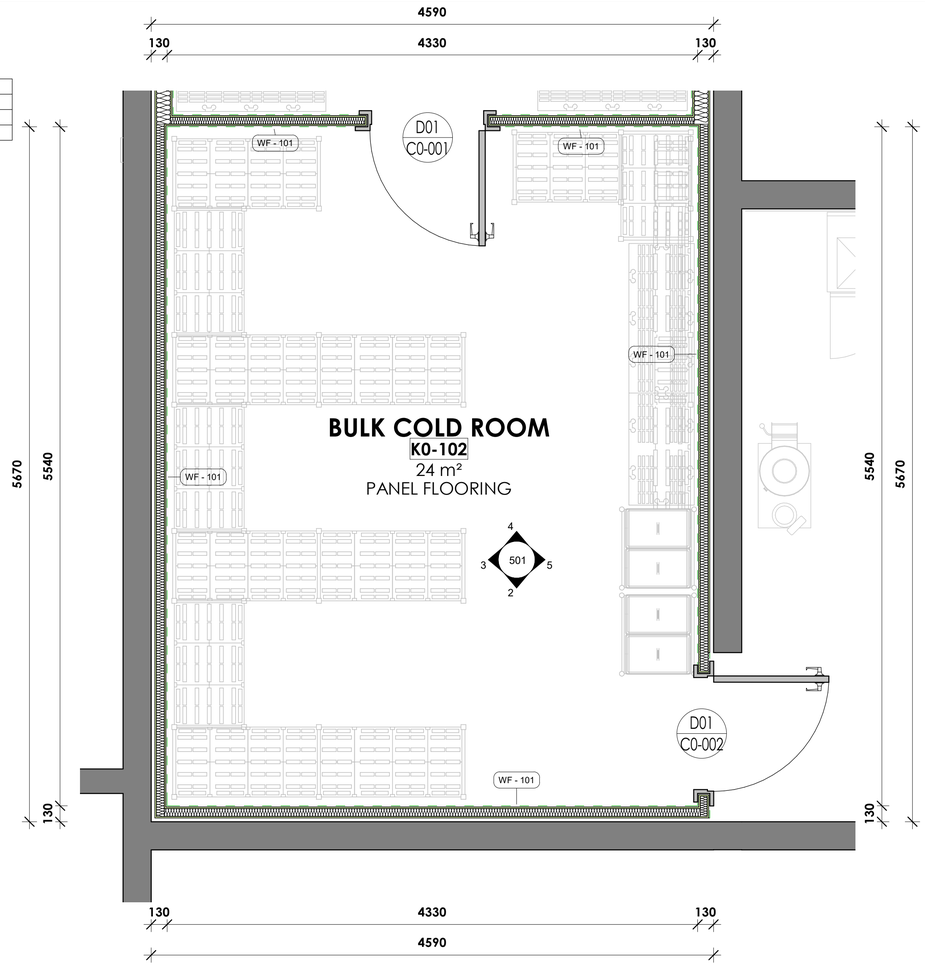
LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

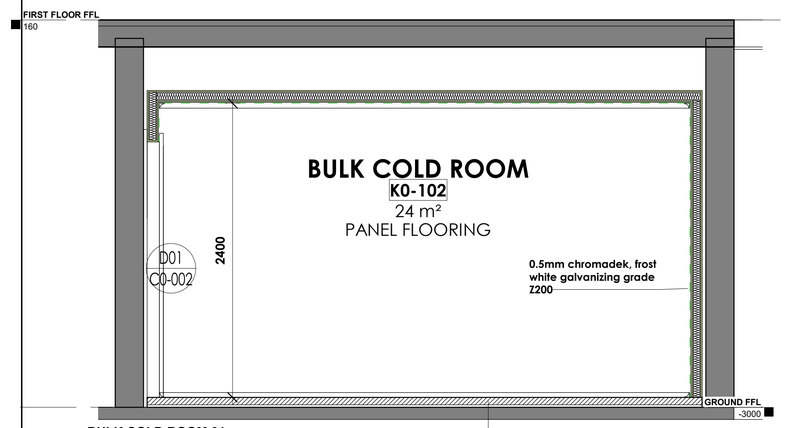
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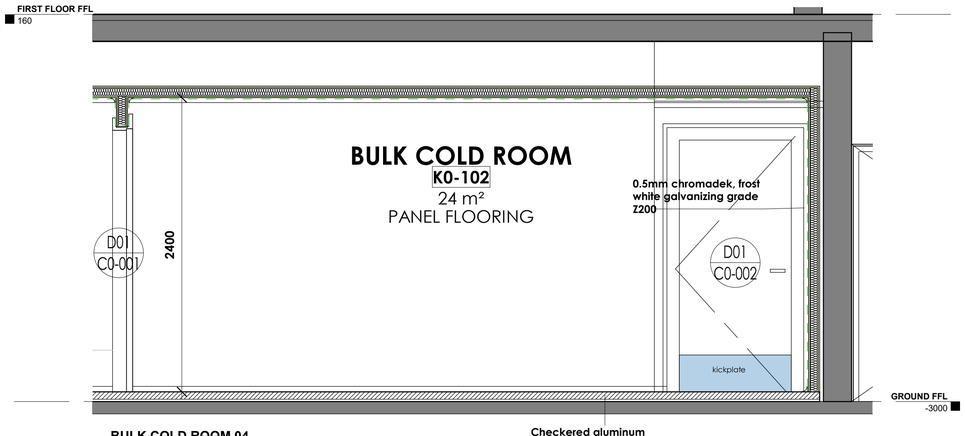
BULK COLD ROOM_K0-102 OVERVIEW
SCALE



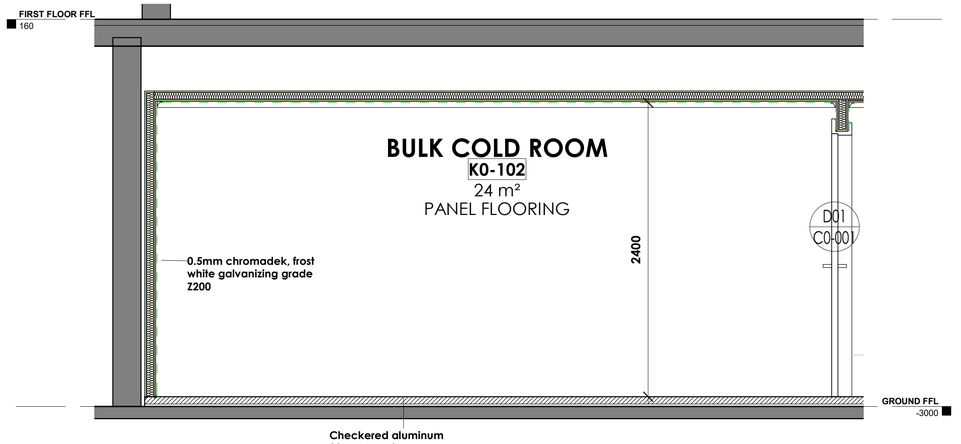
501-BULK COLD ROOM DATA_K0102
SCALE 1 : 25



BULK COLD ROOM 01
SCALE 1 : 25



BULK COLD ROOM 04
SCALE 1 : 25



BULK COLD ROOM 02
SCALE 1 : 25

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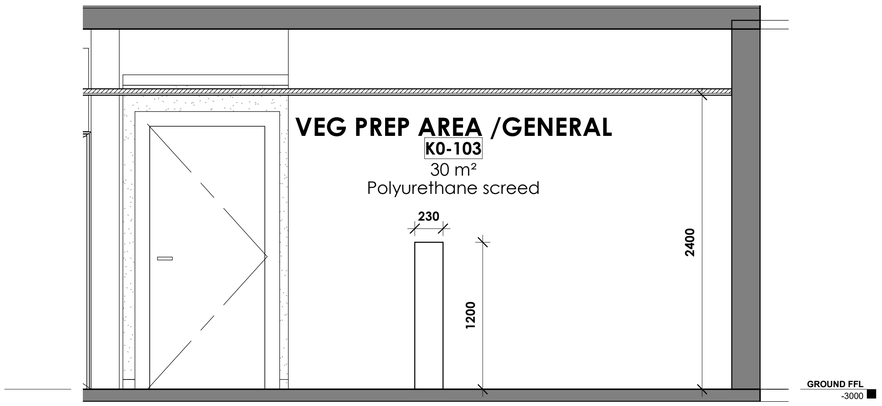
TENDER DRAWING

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90 PLEIN KITCHEN

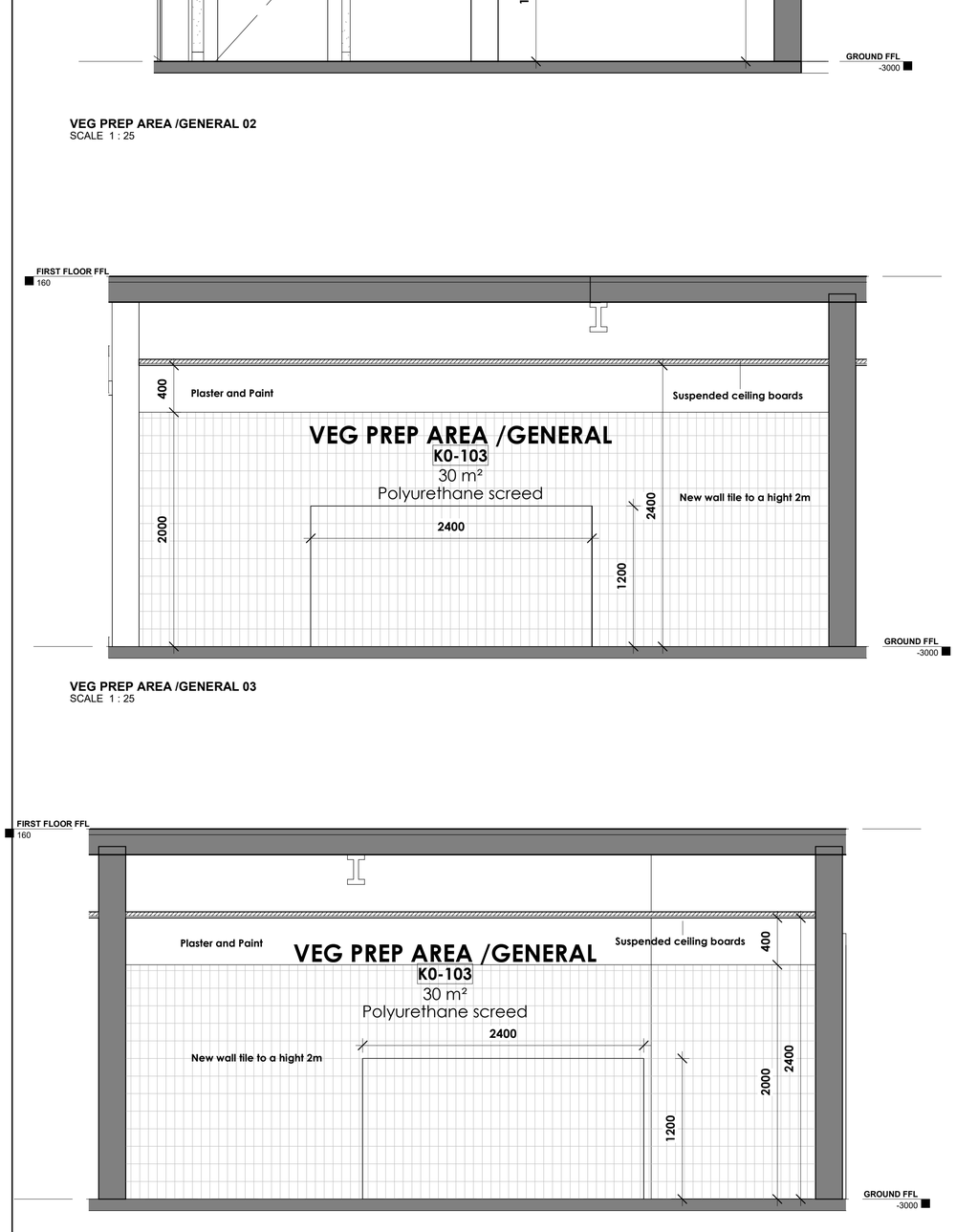
DRAWING
BULK COLD ROOM K0 - 102

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 501			F

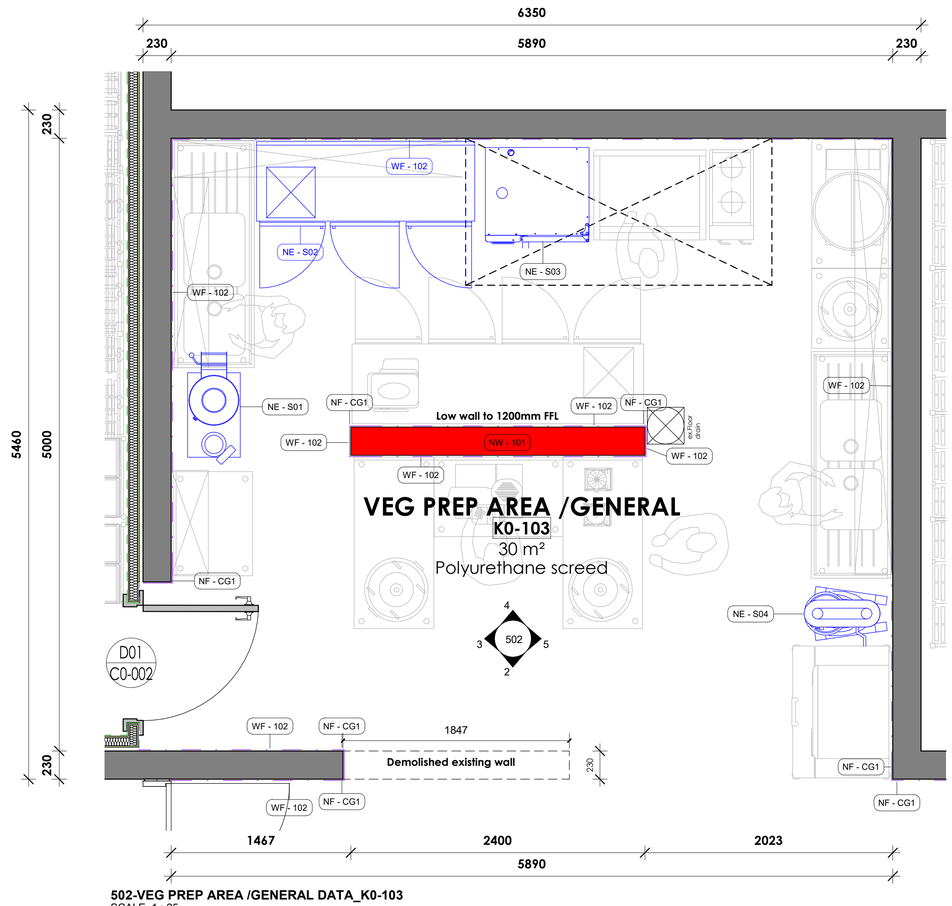


VEG PREP AREA /GENERAL 02
SCALE 1 : 25

VEG PREP AREA /GENERAL 03
SCALE 1 : 25



VEG PREP AREA /GENERAL 01
SCALE 1 : 25



502-VEG PREP AREA /GENERAL DATA_K0-103
SCALE 1 : 25

KEY PLAN LEGEND K0 -103

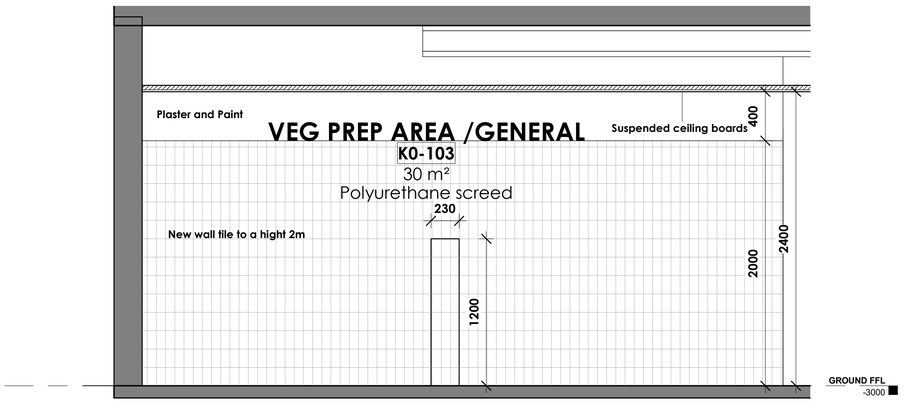
NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NW - 101	New wall	Low wall to 1200mm FFL
NF- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas
NE - S01	New Equipment	Potato peeler
NE - S02	New Equipment	u/bar fridge bar
NE - S03	New Equipment	Combi steamer
NE - S04	New Equipment	Planetary mixer
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
– – – – – – –	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
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VEG PREP AREA /GENERAL 04
SCALE 1 : 25

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ARCHITECT	SACAP No.	SIGNATURE
ANIL PARSHOTAM	5349	

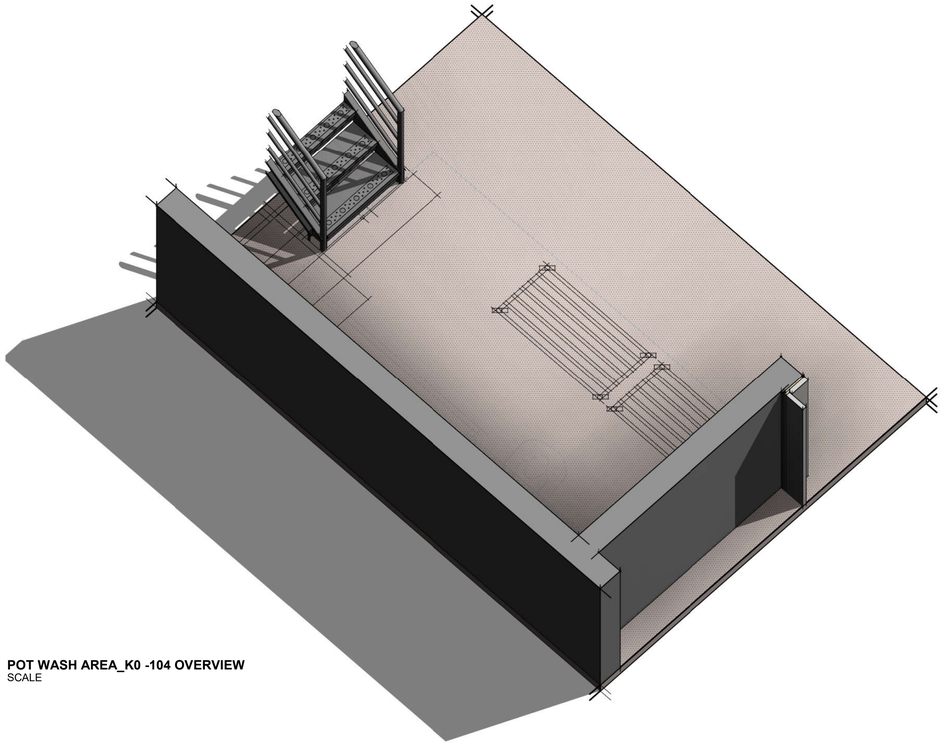
TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

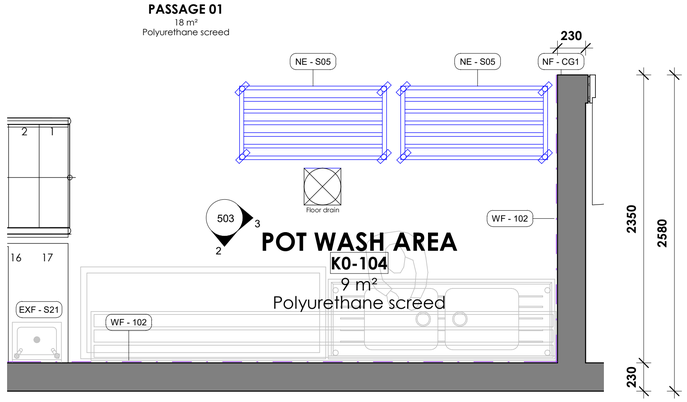
90 PLEIN KITCHEN

DRAWING
VEG PREP AREA /GENERAL K0 - 103

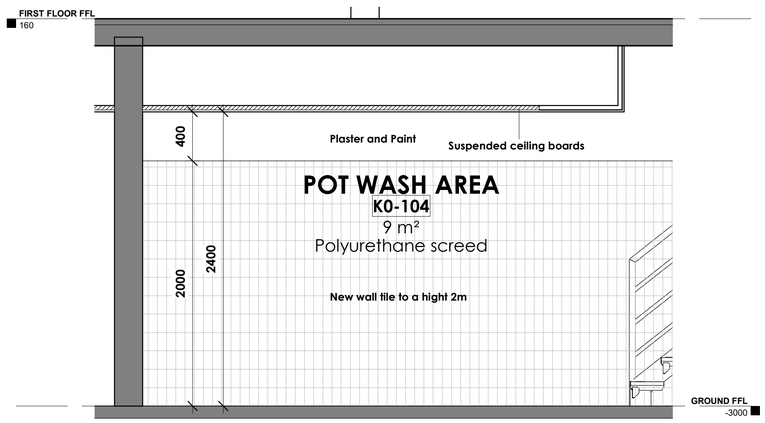
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As indicated	06/09/2024	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 502			F



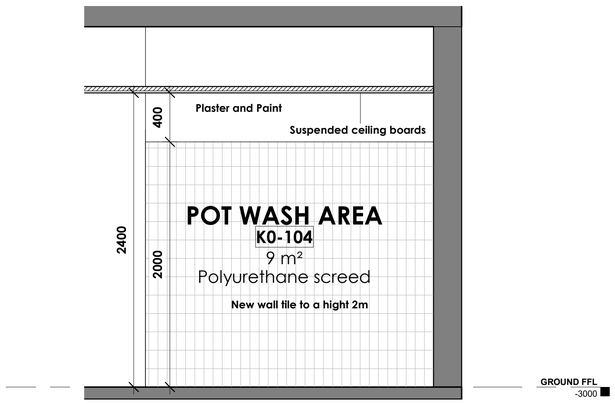
POT WASH AREA_K0 -104 OVERVIEW
SCALE



503 - POT WASH AREA DATA_K0-104
SCALE 1 : 25



POT WASH AREA 01
SCALE 1 : 25



POT WASH AREA 02
SCALE 1 : 25

KEY PLAN LEGEND K0 -104

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NF- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas
NE - S01	New Equipment	Pot Rack
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0,85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3,5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
– – – – – – –	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:
- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

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ALL GLAZING IN COMPLIANCE WITH DSS SANS 10400-PART N LATEST EDITION

ALL DOOR AND WINDOW OPENINGS TO BE IN ACCORDANCE WITH THE DOOR AND WINDOW SCHEDULES

QUALITY OF ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH THE RELEVANT S.A.B.S. AND B.S.S. SPECIFICATIONS.

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D	2019/11/06	Issue for information	
E	2021/08/18	Issue for information	
F	2024/09/06	Issue for tender	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DWG'S;

DRAWING SCHEDULE

DRAWING NUMBER	DRAWING NAME
100	GROUND FLOOR
101	FIRST FLOOR
200	STAIRCASE DETAIL
210	GROUND FLOOR CEILING 90 PLEIN
211	FIRST FLOOR CEILING 90 PLEIN
500	BULK FREEZER ROOM K0-101
501	BULK COLD ROOM K0 - 102
502	VEG PREP AREA /GENERAL K0 - 103
503	POT WASH AREA K0 - 104
504	CHEMICAL STORE K0 - 105
505	DRY STORE K0 - 106
506	BEVERAGE STORE K0 - 107
507	BEVERAGE COLD ROOM K0 - 108
508	FEMALE TOILET K0 - 109
509	MALE TOILET K0 - 110
510	TOILET K0 - 111
511	COOKING AREA K1-201
512	DISHWASH AREA K1-202
513	OFFICE K1-203
514	STORE ROOM K1-204
515	BREAKFAST KITCHEN K1-205
516	FREEZER K1-206
700	DOOR & WINDOW SCHEDULE

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public works & infrastructure
Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

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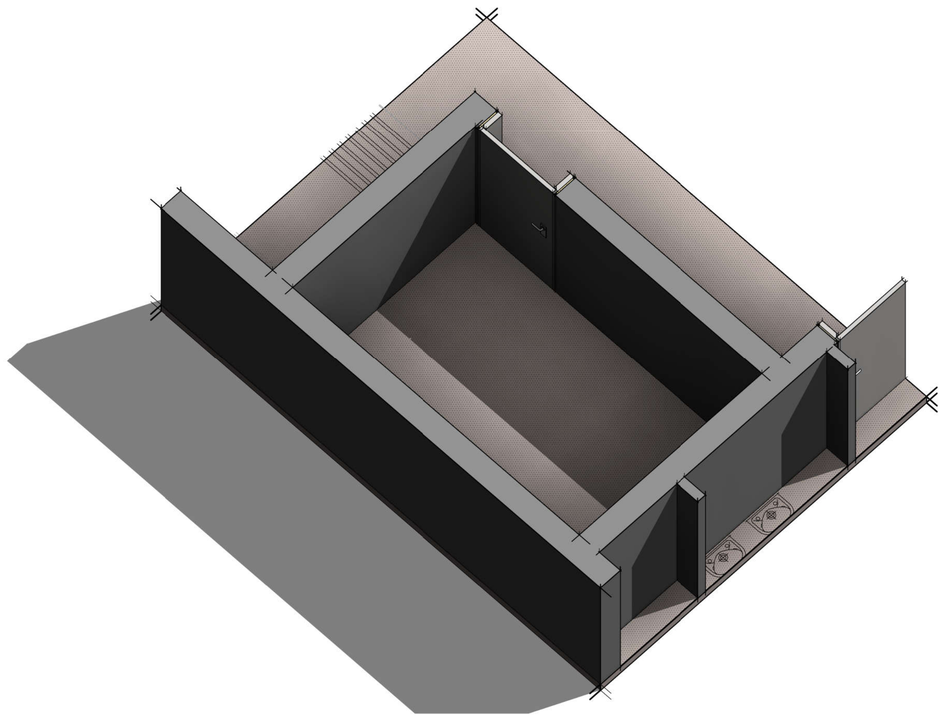
TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

90 PLEIN KITCHEN

DRAWING
POT WASH AREA K0 - 104

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 503			F



CHEMICAL STORE K0 - 105 OVERVIEW
SCALE

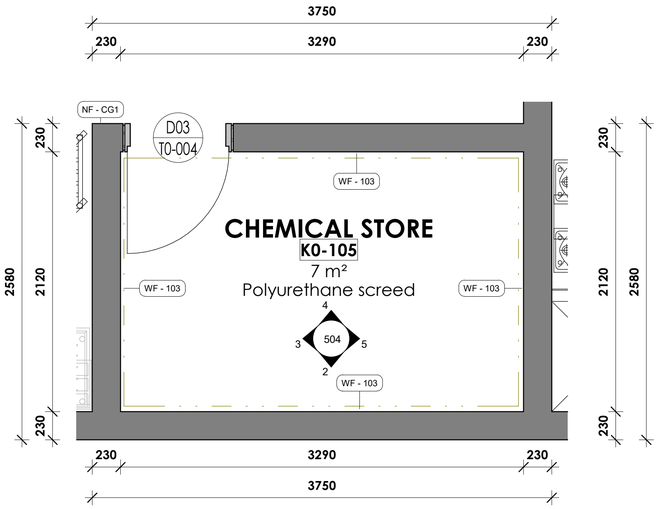
KEY PLAN LEGEND K0 -105

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 103	Wall Finish	Existing Brick walls with plaster and paint, to be repainted to match with existing colour,Prepare and apply 1 coat hicover primer and 2 coats Wallbrite low sheen acrylic coating to approved colour.
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

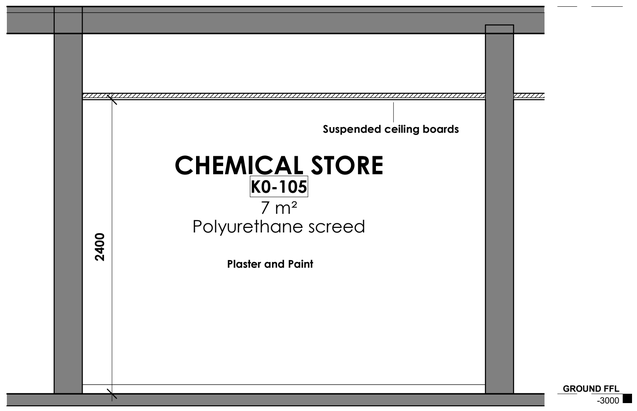
LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
- - - - - - -	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

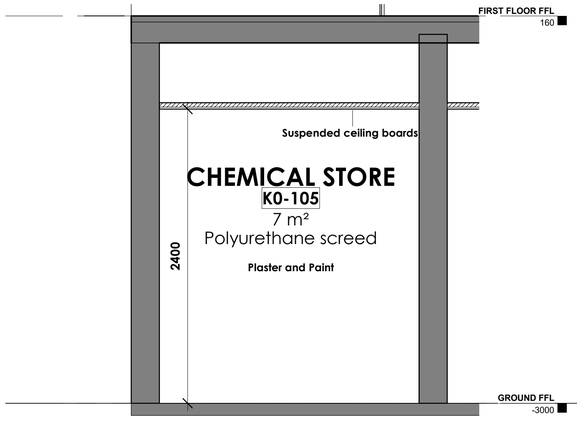
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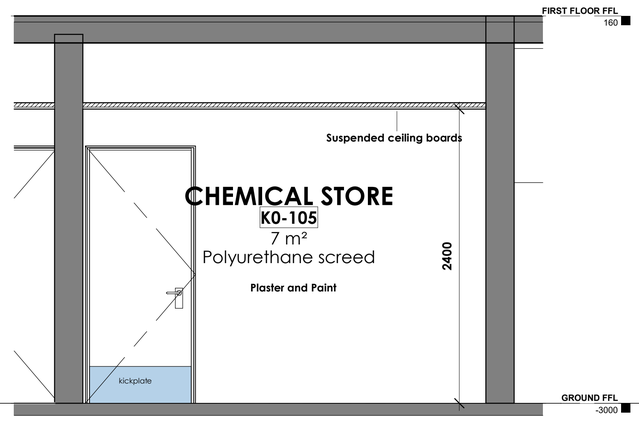
504 - CHEMICAL STORE DATA_K0-105
SCALE 1 : 25



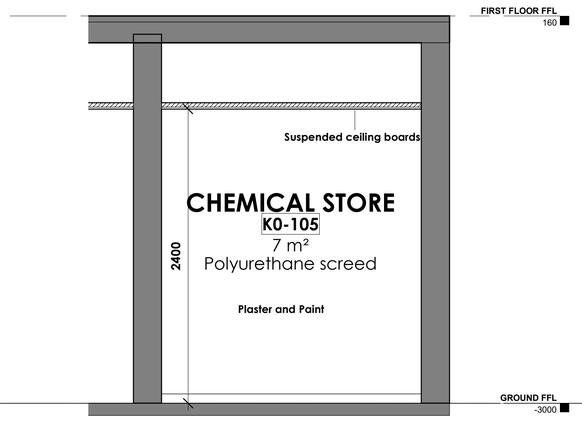
CHEMICAL STORE 01
SCALE 1 : 25



CHEMICAL STORE 02
SCALE 1 : 25



CHEMICAL STORE 03
SCALE 1 : 25



CHEMICAL STORE 04
SCALE 1 : 25

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505	DRY STORE K0 - 106
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514	STORE ROOM K1-204
515	BREAKFAST KITCHEN K1-205
516	FREEZER K1-206
700	DOOR & WINDOW SCHEDULE

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REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

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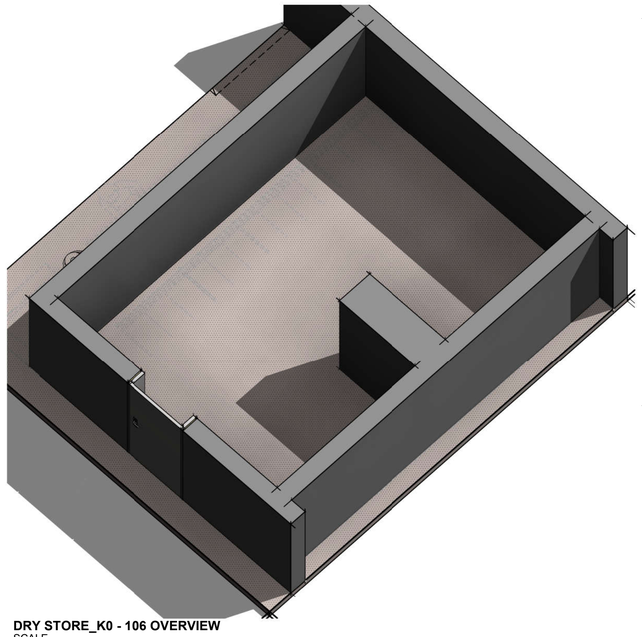
TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

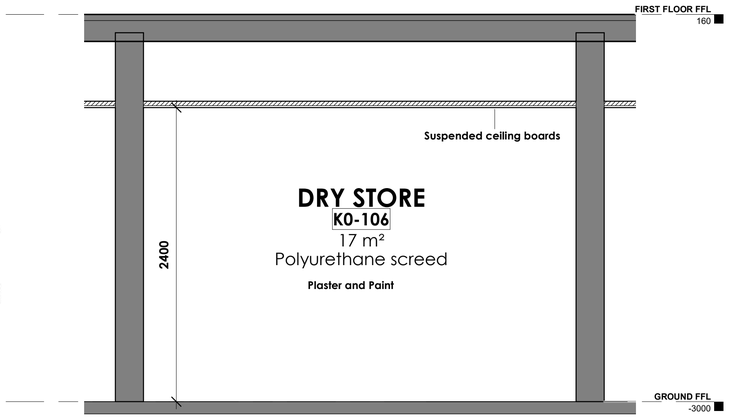
90 PLEIN KITCHEN

DRAWING
CHEMICAL STORE K0 - 105

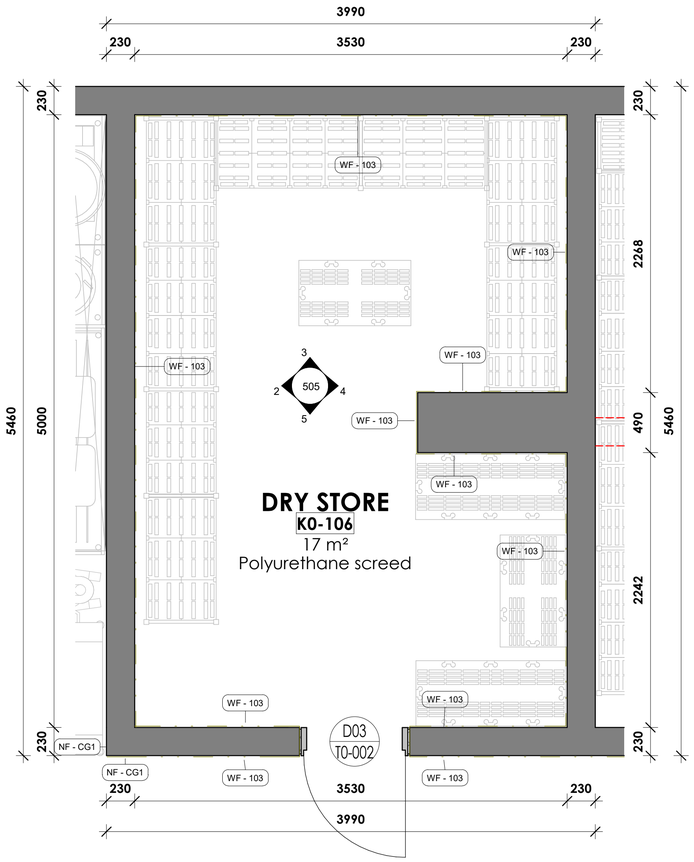
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WC015 - 504			F



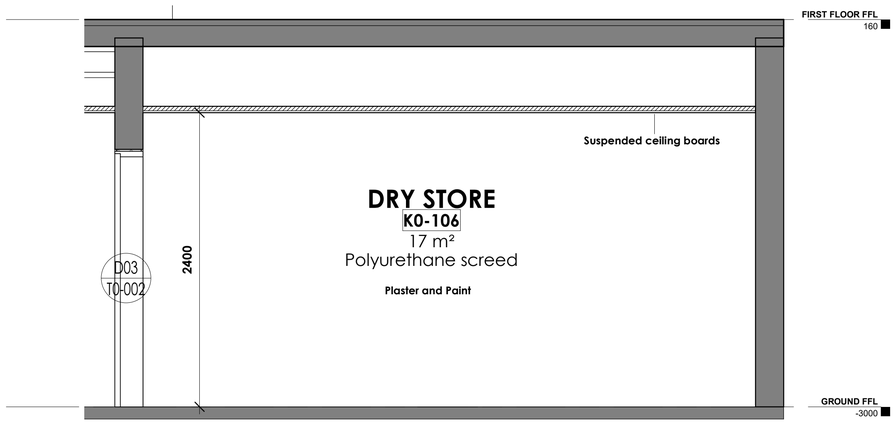
DRY STORE_K0 - 106 OVERVIEW
SCALE



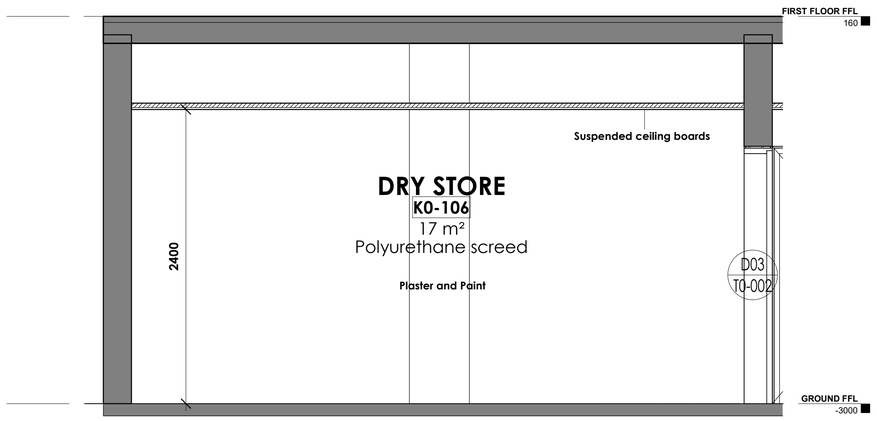
DRY STORE 01
SCALE 1 : 25



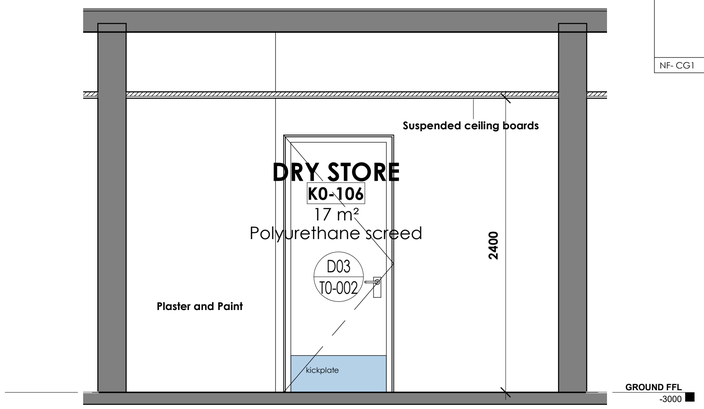
505- DRY STORE DATA_K0-106
SCALE 1 : 25



DRY STORE 02
SCALE 1 : 25



DRY STORE 03
SCALE 1 : 25



DRY STORE 04
SCALE 1 : 25

KEY PLAN LEGEND K0 -106

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 103	Wall Finish	Existing Brick walls with plaster and paint, to be repainted to match with existing colour.Prepare and apply 1 coat hicover primer and 2 coats Wallbrite low sheen acrylic coating to approved colour.
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.
NF- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
– – – – – – –	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

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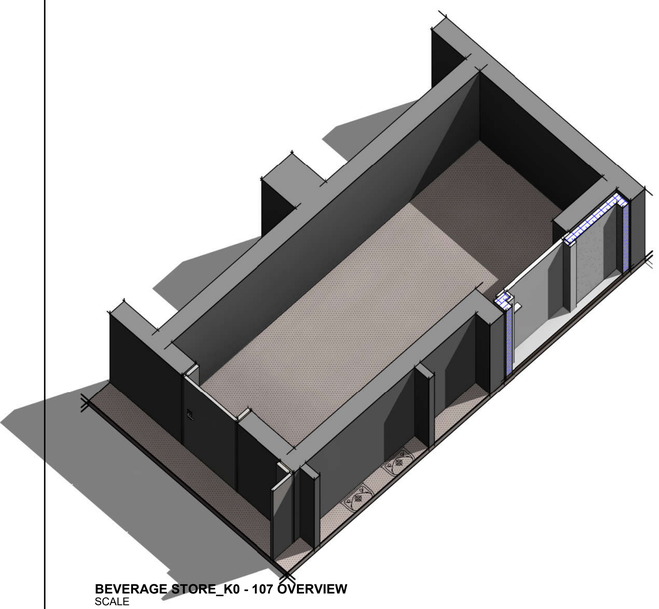
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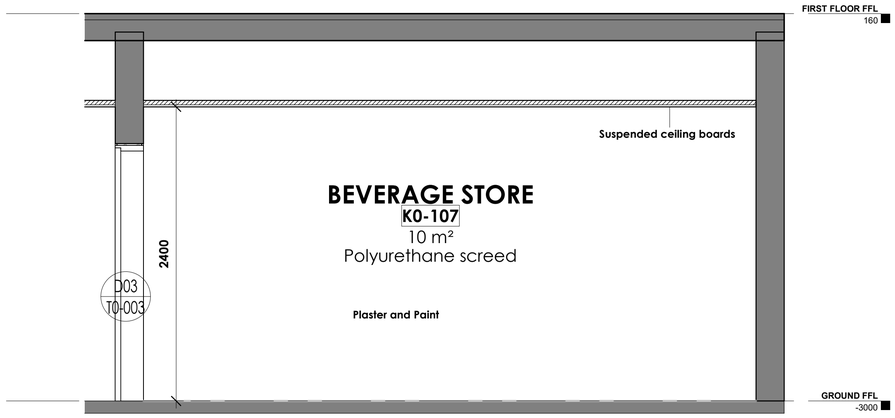
90 PLEIN KITCHEN

DRAWING
DRY STORE K0 - 106

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 505			F



BEVERAGE STORE_K0 - 107 OVERVIEW
SCALE



BEVERAGE STORE 01
SCALE 1 : 25

KEY PLAN LEGEND K0 -107

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 103	Wall Finish	Existing Brick walls with plaster and paint, to be repainted to match with existing colour,Prepare and apply 1 coat hicover primer and 2 coats Wallbrite low sheen acrylic coating to approved colour.
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.
NF- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
- - - - - - -	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

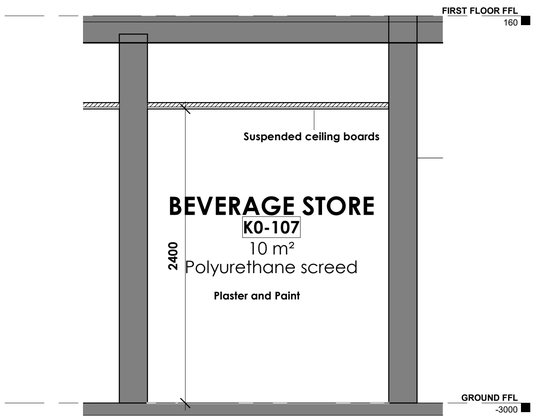
- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.



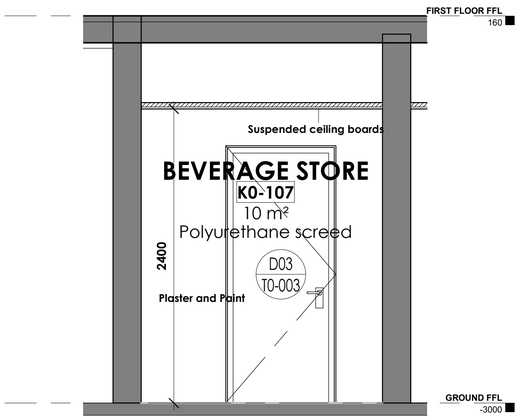
506 - BEVERAGE STORE DATA_K0-107
SCALE 1 : 25



BEVERAGE STORE 03
SCALE 1 : 25



BEVERAGE STORE 02
SCALE 1 : 25



BEVERAGE STORE 04
SCALE 1 : 25

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ALL GLAZING IN COMPLIANCE WITH DSS SANS 10400-PART N LATEST EDITION

ALL DOOR AND WINDOW OPENINGS TO BE IN ACCORDANCE WITH THE DOOR AND WINDOW SCHEDULES

QUALITY OF ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH THE RELEVANT S.A.B.S. AND B.S.S. SPECIFICATIONS.

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DRAWING SCHEDULE

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503	POT WASH AREA K0 - 104
504	CHEMICAL STORE K0 - 105
505	DRY STORE K0 - 106
506	BEVERAGE STORE K0 - 107
507	BEVERAGE COLD ROOM K0 - 108
508	FEMALE TOILET K0 - 109
509	MALE TOILET K0 - 110
510	TOILET K0 - 111
511	COOKING AREA K1-201
512	DISHWASH AREA K1-202
513	OFFICE K1-203
514	STORE ROOM K1-204
515	BREAKFAST KITCHEN K1-205
516	FREEZER K1-206
700	DOOR & WINDOW SCHEDULE

CLIENT

public works & infrastructure
Department:
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REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

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Tel: +27 21 424 7742 | Fax: +27 86 662 2199

ARCHITECT	SACAP No.	SIGNATURE
ANIL PARSHOTAM	5349	

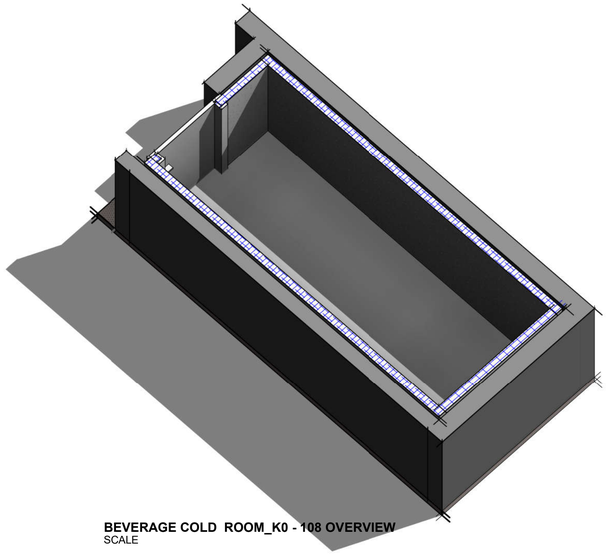
TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

90 PLEIN KITCHEN

DRAWING
BEVERAGE STORE K0 - 107

SCALE	DATE	DRAWN	CHECKED
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PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 506			F



BEVERAGE COLD ROOM_K0 - 108 OVERVIEW
SCALE

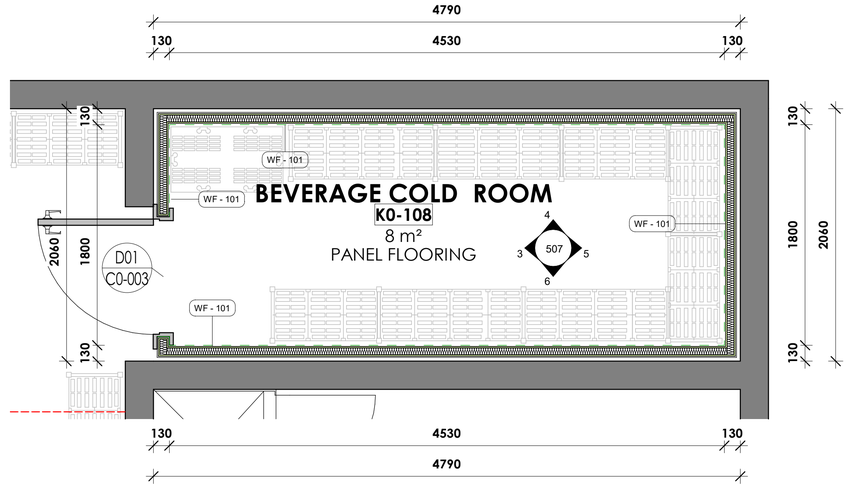
KEY PLAN LEGEND K0 -108

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 101	Wall Finish	0.5mm chromadek, frost white galvanizing grade Z200
C0 - 001	Cold room door	As per specilist spec

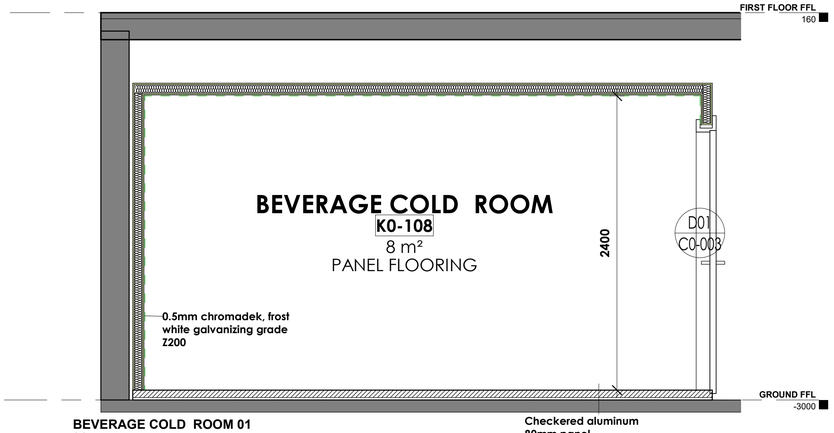
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	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
- - - - - - - -	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

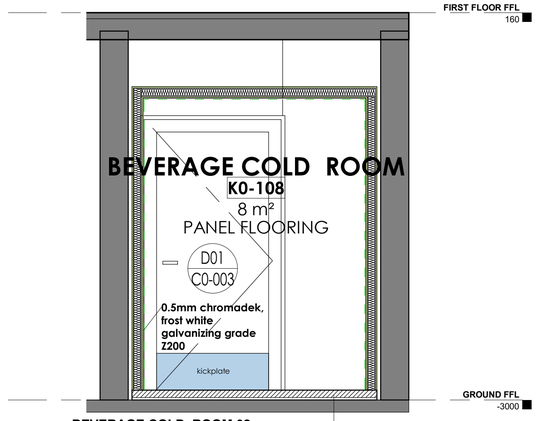
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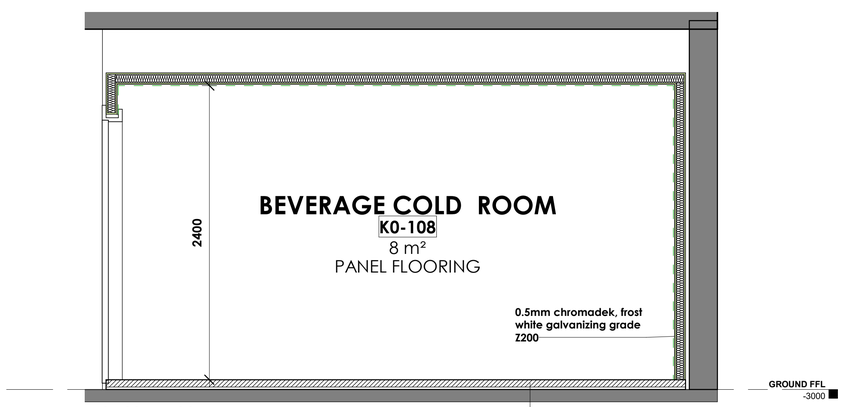
507 - BEVERAGE COLD ROOM DATA_K0-108
SCALE 1 : 25



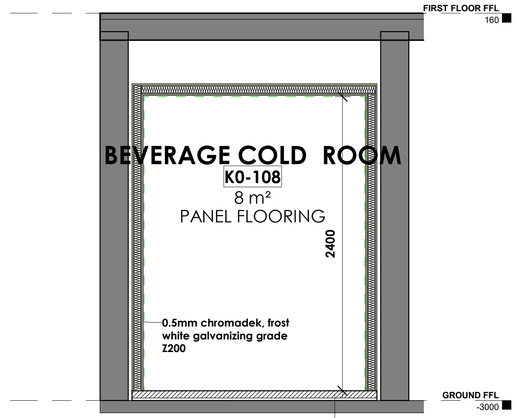
BEVERAGE COLD ROOM 01
SCALE 1 : 25



BEVERAGE COLD ROOM 02
SCALE 1 : 25



BEVERAGE COLD ROOM 04
SCALE 1 : 25



BEVERAGE COLD ROOM 03
SCALE 1 : 25

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public works & infrastructure
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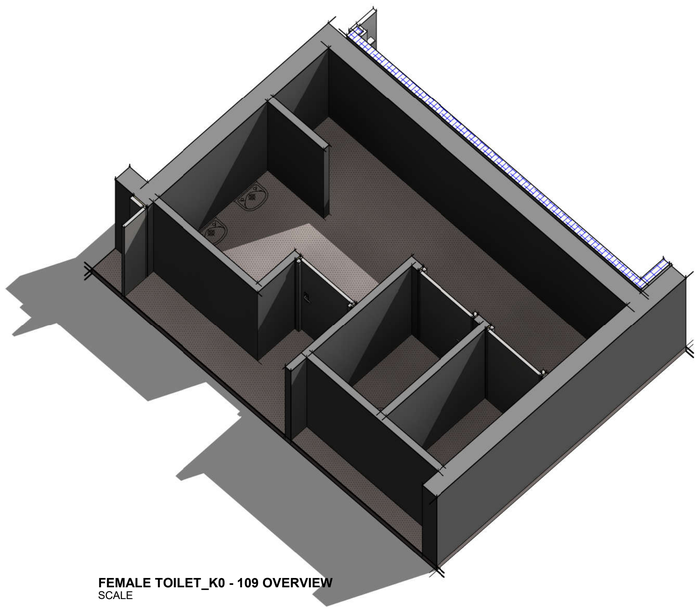
TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

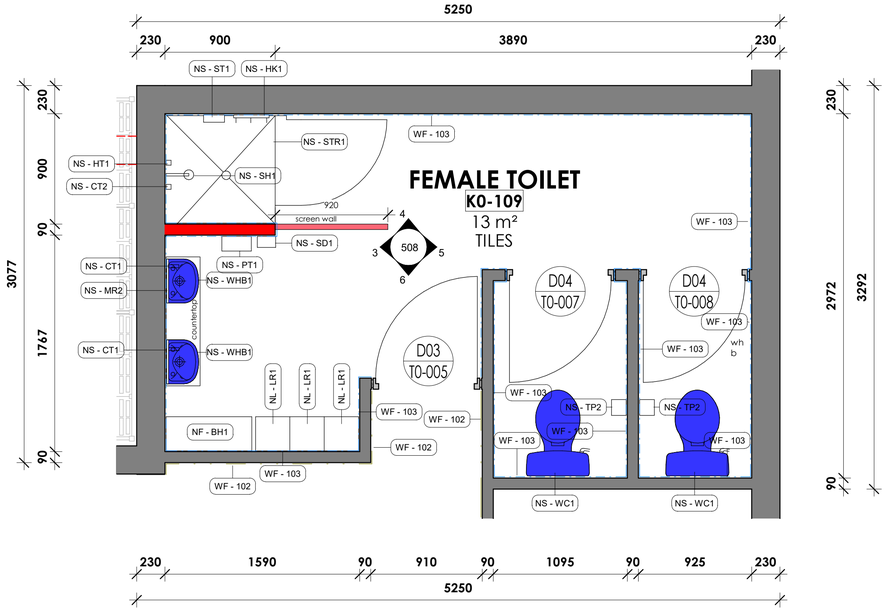
90 PLEIN KITCHEN

DRAWING
BEVERAGE COLD ROOM KO - 108

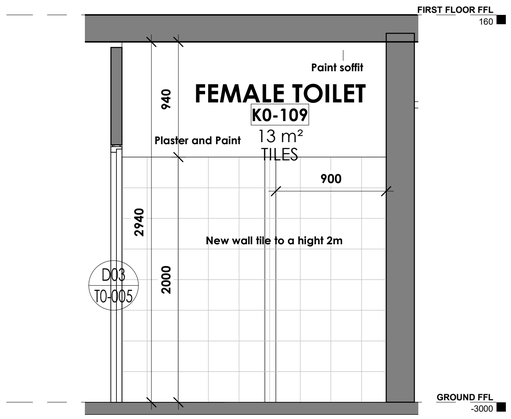
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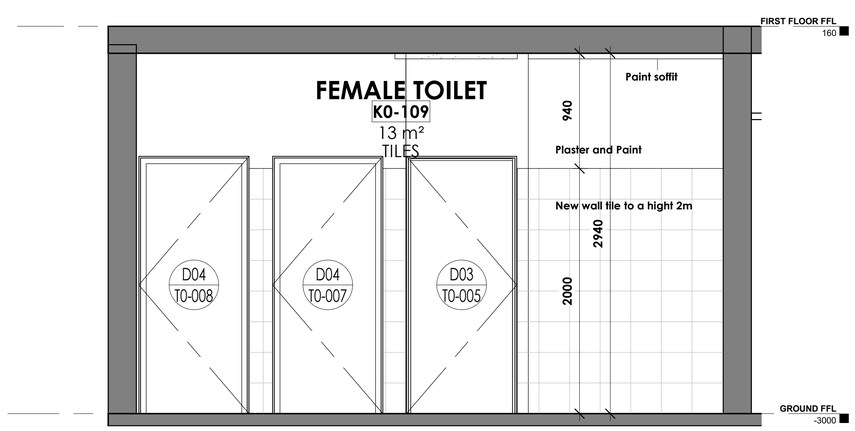
FEMALE TOILET_K0 - 109 OVERVIEW
SCALE



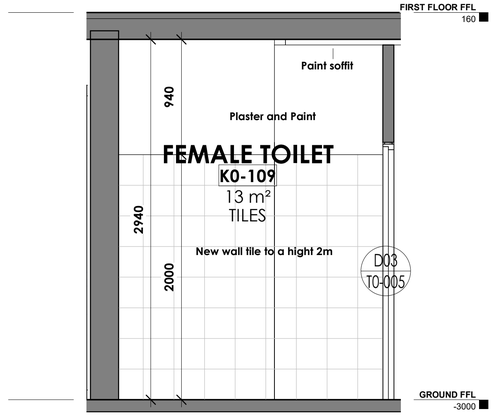
508 - FEMALE TOILET DATA_K0-109
SCALE 1 : 25



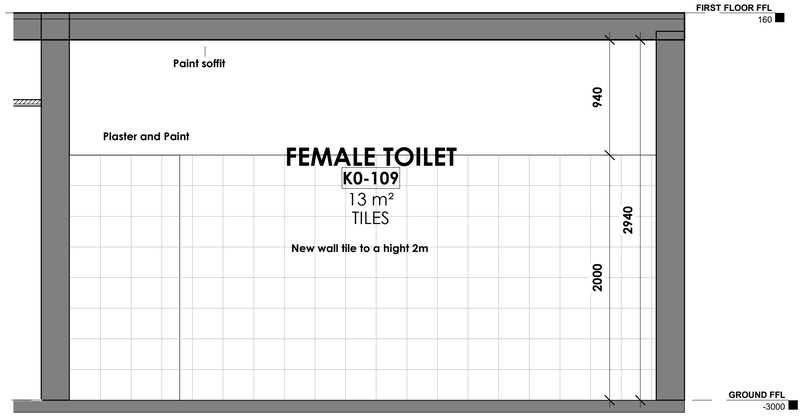
FEMALE TOILET 03
SCALE 1 : 25



FEMALE TOILET 02
SCALE 1 : 25



FEMALE TOILET 04
SCALE 1 : 25



KEY PLAN LEGEND K0 -109

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	Existing Brick walls with plaster and paint, to be repainted to match with existing colour.Prepare and apply 1 coat hicover primer and 2 coats Wallbrite low sheen acrylic coating to approved colour.
WF - 103	Wall Finish	Wall tiling to comprise 200 x 200mm white ceramic wall tiles to door hight and 2mm wide grout joints (grout colour: White). see architect's bathroom layout
NL - LR1	New locker	Lockers standard entry level locker with reinforced doors with top hat stiffners side fixing holes for easy assembly colour to be approved at 1800h mm x 300w mm x 450d mm with 3 doors per module with piano hingers.
NB - BH1	New beach	Locker Beach unit standard Combines seating mounted on frames and seating installed against walls standard lengths of 900mm x 370mm Manufactured in angle iron, square or round tubing wood and steel seat Electroplating + powder coating of legs recommended for high humidity areas.
NS - WHB1	New Sanitary	Hibiscus - Basins - Wall-Hung - White
NS - CT1	New Sanitary	Metsi - Taps - Pillar Taps - Chrome
NS - MR2	New Sanitary	Mirror 4mm Silvered float glass copper backed mirrors with polished fedges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs.
NS - CT2	New Sanitary	Metsi - Taps - Stop Taps - Chrome
NS - HT1	New Sanitary	Metsi - Taps - Stop Taps - Chrome
NS - SH1	New Sanitary	Prestex - Showers - Shower Heads - Chrome Showers - Shower Arms - Chrome
NS - PT1	New Sanitary	Paper towel dispenser Autotowel paper dispenser manufactured from 0.7 clear coat enamel finish Stainless Steel Wall mounted Automatic system Lockable dispenser for added security
NS - HK1	New Sanitary	Wall mounted shower hooks Bathroom Towel Hook Robe Hook Shower Kitchen Wall Hanging Hooks Wall Mount SUS 304 Stainless Steel Polished Finish
NS - SD1	New Sanitary	Soap Dispenser 500ml Wall Mounted Soap Dispenser
NS - TP2	New Sanitary	Toilet roll holder to be metal chrome plated frame with timber roll fixed to wall with screws as per architect's bathroom layouts
NS - WC1	New Sanitary	Aquasave - Toilets - Low-Level - White

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
– – – – – – –	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

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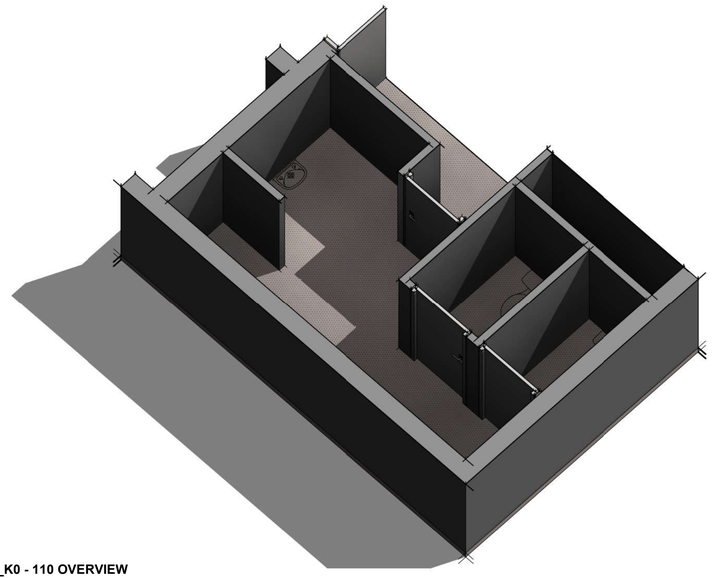
90 PLEIN KITCHEN

DRAWING
FEMALE TOILET K0 - 109

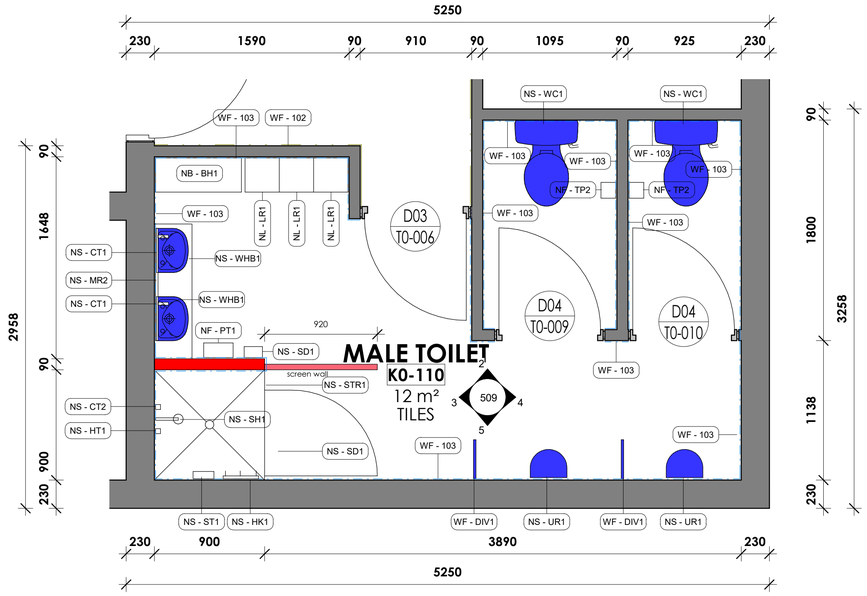
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PROJECT NUMBER
PAGE SIZE A 1

DRAWING NUMBER
WC015 - 508
REVISION F



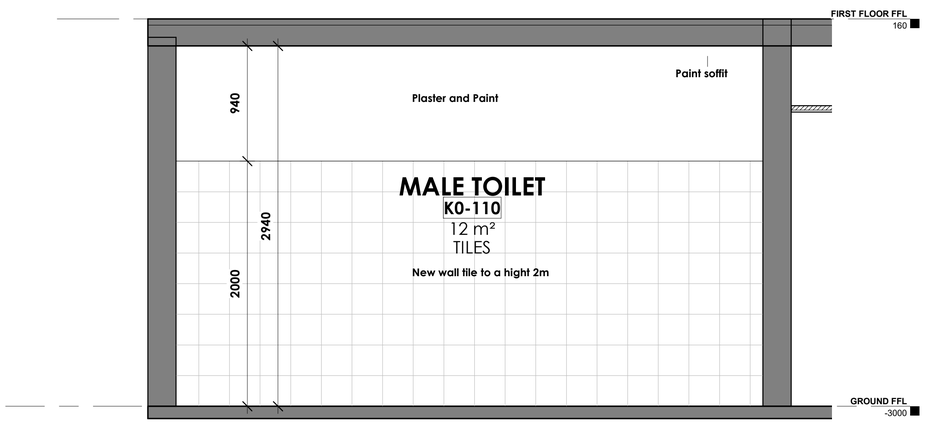
MALE TOILET_K0 - 110 OVERVIEW
SCALE



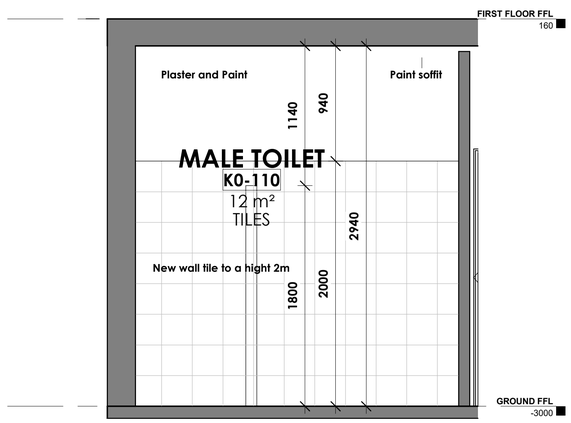
509 - MALE TOILET DATA_K0-110
SCALE 1 : 25

KEY PLAN LEGEND K0 -110

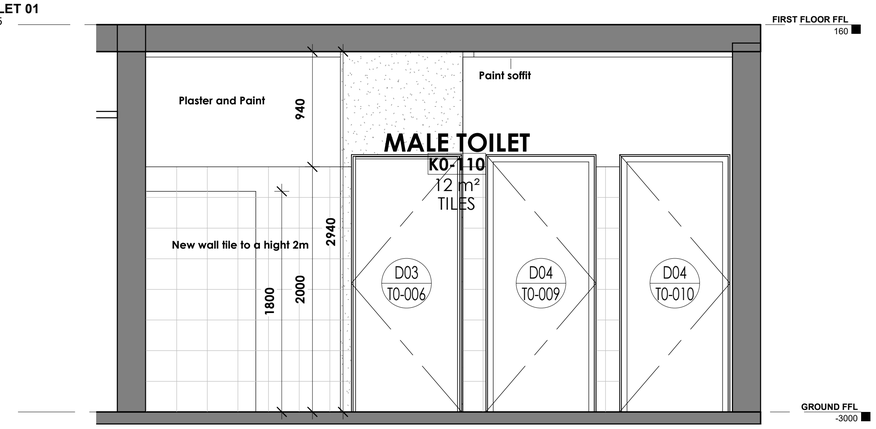
NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	Existing Brick walls with plaster and paint, to be repainted to match with existing colour,Prepare and apply 1 coat hicover primer and 2 coats Wallbrite low sheen acrylic coating to approved colour.
WF - 103	Wall Finish	Wall tiling to comprise 200 x 200mm white ceramic wall tiles to door hight and 2mm wide grout joints (grout colour: White), see architect's bathroom layout
NL - LR1	New locker	Lockers standard entry level locker with reinforced doors with top hat stiffners side fixing holes for easy assembly colour to be approved at 1800h mm x 300w mm x 450d mm with 3 doors per module with piano hingers.
NB - BH1	New beach	Locker Beach unit standard Combines seating mounted on frames and seating installed against walls standard lengths of 900mm x 370mm Manufactured in angle iron, square or round tubing wood and steel seat Electroplating + powder coating of legs recommended for high humidity areas.
NS - WHB1	New Sanitary	Hibiscus - Basins - Wall-Hung - White
NS - CT1	New Sanitary	Metsi - Taps - Pillar Taps - Chrome
NS - MR2	New Sanitary	Mirror 4mm 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.
NS - CT2	New Sanitary	Metsi - Taps - Stop Taps - Chrome
NS - HT1	New Sanitary	Metsi - Taps - Stop Taps - Chrome
NS - SH1	New Sanitary	Prestex - Showers - Shower Heads - Chrome Showers - Shower Arms - Chrome
NS - PT1	New Sanitary	Paper towel dispenser Autotowel paper dispenser manufactured from 0.7 clear coat enamel finish Stainless Steel Wall mounted Automatic system Lockable dispenser for added security
NS - HK1	New Sanitary	Wall mounted shower hooks Bathroom Towel Hook Robe Hook Shower Kitchen Wall Hanging Hooks Wall Mount SUS 304 Stainless Steel Polished Finish
NS - SD1	New Sanitary	Soap Dispenser 500ml Wall Mounted Soap Dispenser
NS - TP2	New Sanitary	Toilet roll holder to be metal chrome plated frame with timber roll fixed to wall with screws as per architect's bathroom layouts
NS - WC1	New Sanitary	Aquasave - Toilets - Low-Level - White
NS - UR1	New Sanitary	White Alpin size 305 x 290mm, fixed to wall with 2No. 8 x 120mm mounting bolts.



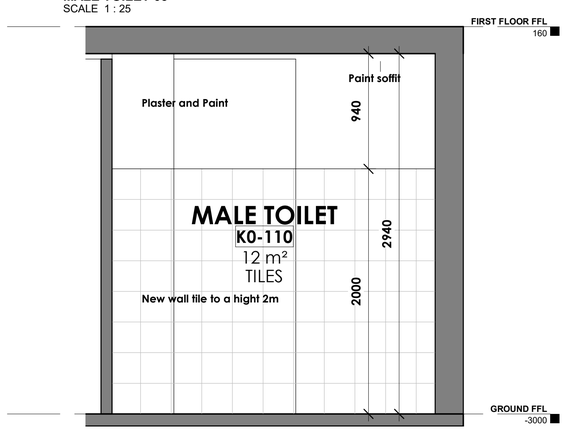
MALE TOILET 01
SCALE 1 : 25



MALE TOILET 03
SCALE 1 : 25



MALE TOILET 04
SCALE 1 : 25



MALE TOILET 02
SCALE 1 : 25

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
– – – – – – –	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:
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504	CHEMICAL STORE K0 - 105
505	DRY STORE K0 - 106
506	BEVERAGE STORE K0 - 107
507	BEVERAGE COLD ROOM KO - 108
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510	TOILET K0 - 111
511	COOKING AREA K1-201
512	DISHWASH AREA K1-202
513	OFFICE K1-203
514	STORE ROOM K1-204
515	BREAKFAST KITCHEN K1-205
516	FREEZER K1-206
700	DOOR & WINDOW SCHEDULE

CLIENT

public works & infrastructure

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Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

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ARCHITECT	SACAP No.	SIGNATURE
ANIL PARSHOTAM	5349	

TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

90 PLEIN KITCHEN

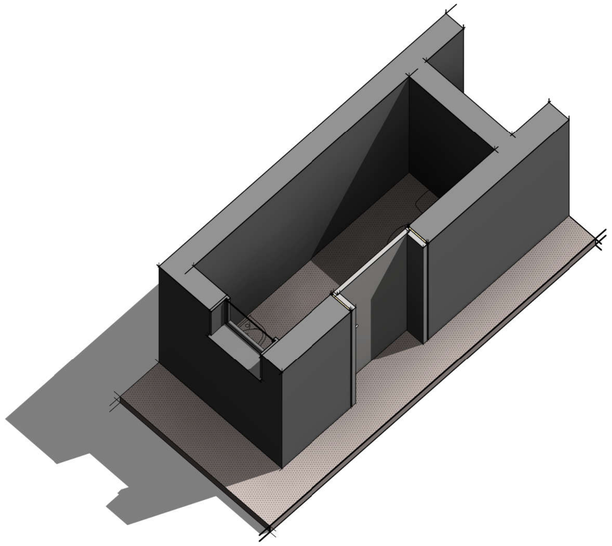
DRAWING
MALE TOILET K0 - 110

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R

PROJECT NUMBER — PAGE SIZE **A 1**

DRAWING NUMBER — REVISION

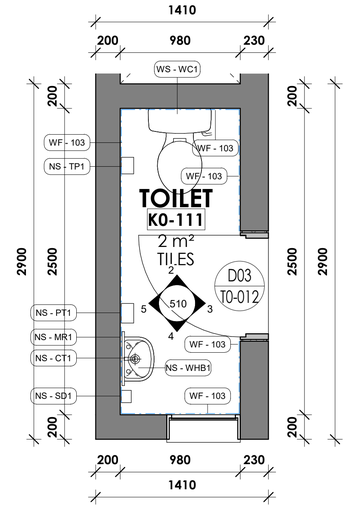
WC015 - 509 — F



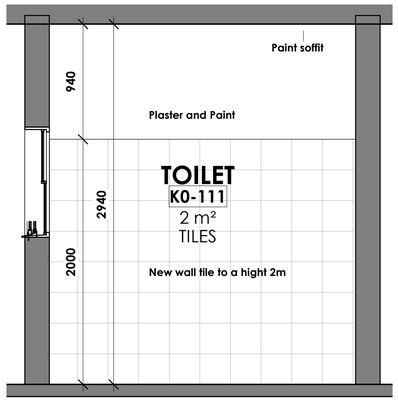
TOILET_K0 - 111 OVERVIEW
SCALE

KEY PLAN LEGEND K0 -111

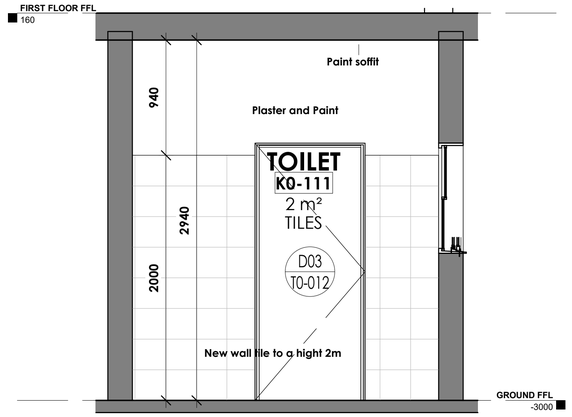
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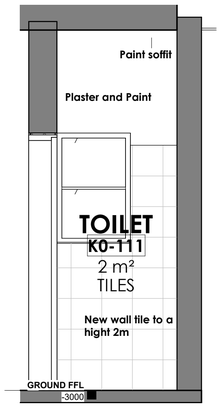
510 - TOILET DATA_K0-111
SCALE 1 : 25



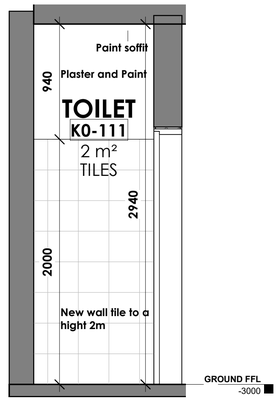
TOILET 01
SCALE 1 : 25



TOILET 02
SCALE 1 : 25



TOILET 03
SCALE 1 : 25



TOILET 04
SCALE 1 : 25

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
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LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

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509	MALE TOILET K0 - 110
510	TOILET K0 - 111
511	COOKING AREA K1-201
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513	OFFICE K1-203
514	STORE ROOM K1-204
515	BREAKFAST KITCHEN K1-205
516	FREEZER K1-206
700	DOOR & WINDOW SCHEDULE

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REPUBLIC OF SOUTH AFRICA

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TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

90 PLEIN KITCHEN

DRAWING
TOILET K0 - 111

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R

PROJECT NUMBER — PAGE SIZE **A1**

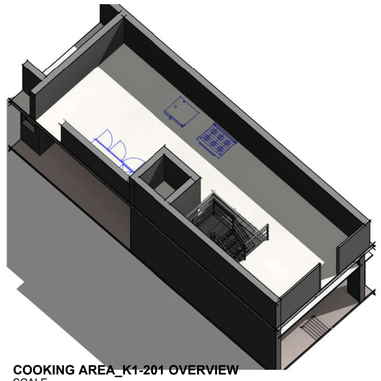
DRAWING NUMBER — REVISION

WC015 - 510 — F

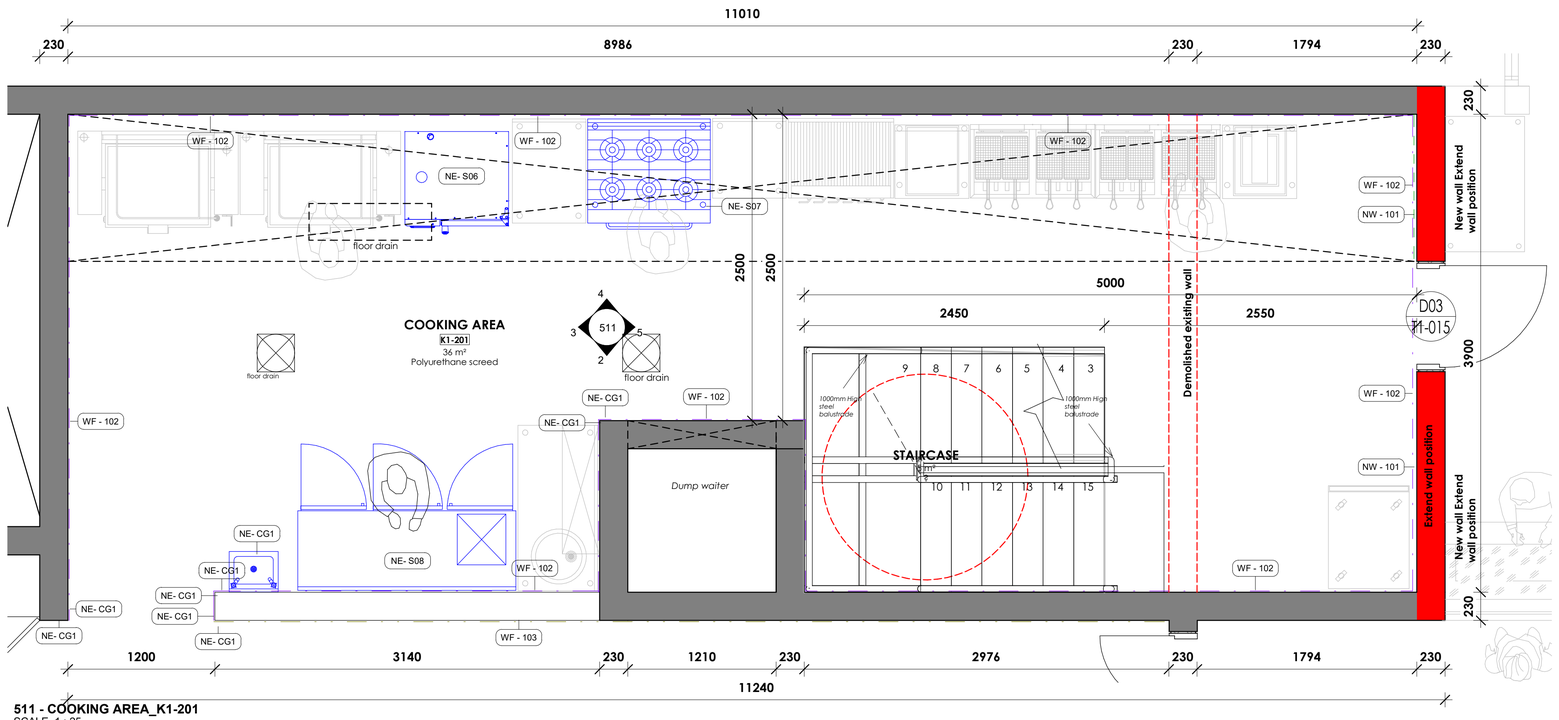
KEY PLAN LEGEND K1 - 201

NEW ALTERATIONS

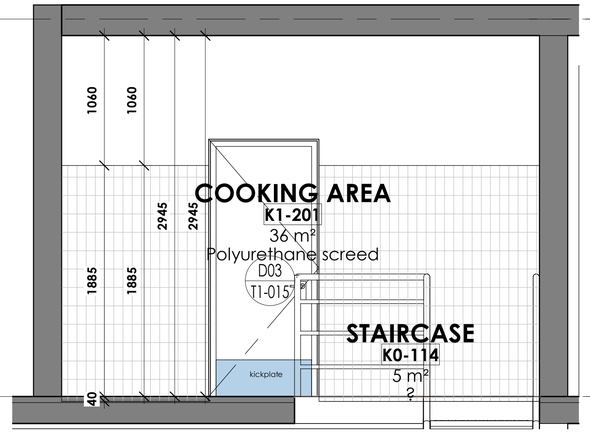
KEY LEGEND	DESCRIPTION	SPECIFICATION
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NW - 101	New wall	New high wall from FFL to soffit
NE- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas
NE - S06	New Equipment	CM101 & 61 10 pan combi steamer stacked with 6 pan c/w water filter
NE - S07	New Equipment	R-G6 open burner gas range with oven
NE - S08	New Equipment	2.5 Door u/bar fridge bar
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0,85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

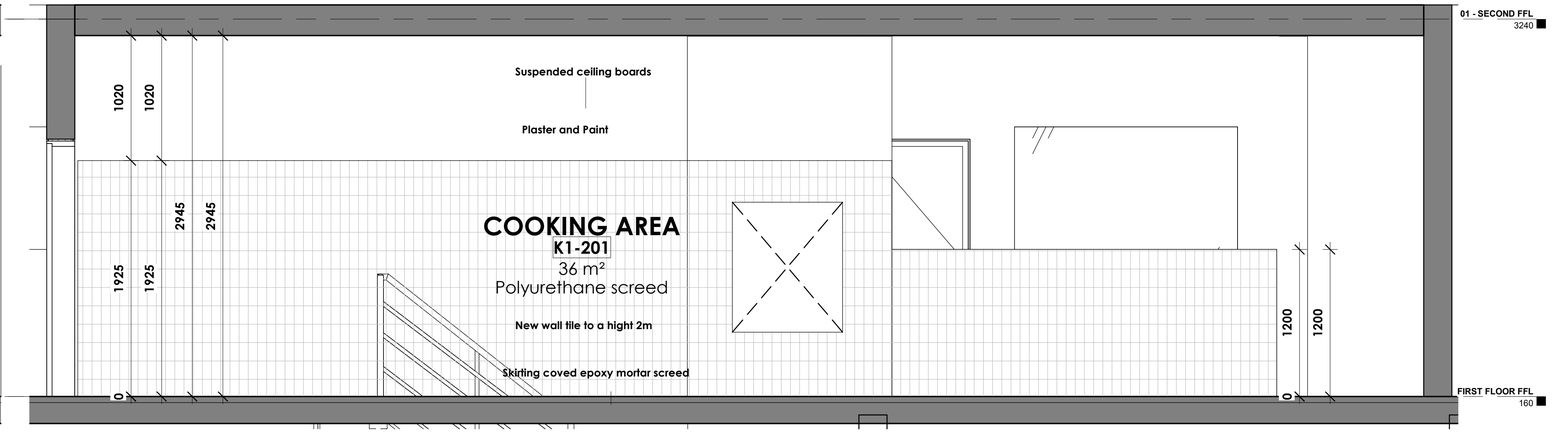


COOKING AREA_K1-201 OVERVIEW
SCALE

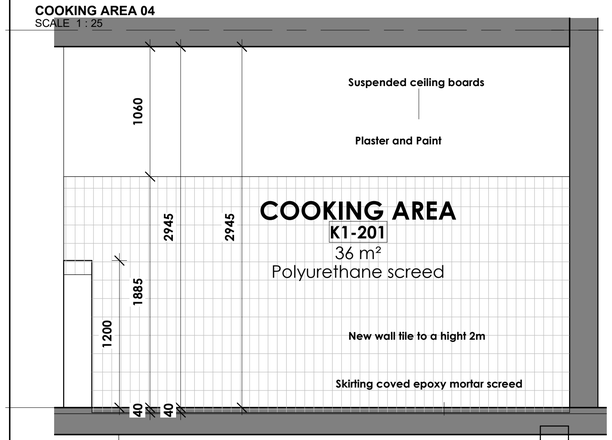


511 - COOKING AREA_K1-201
SCALE 1 : 25

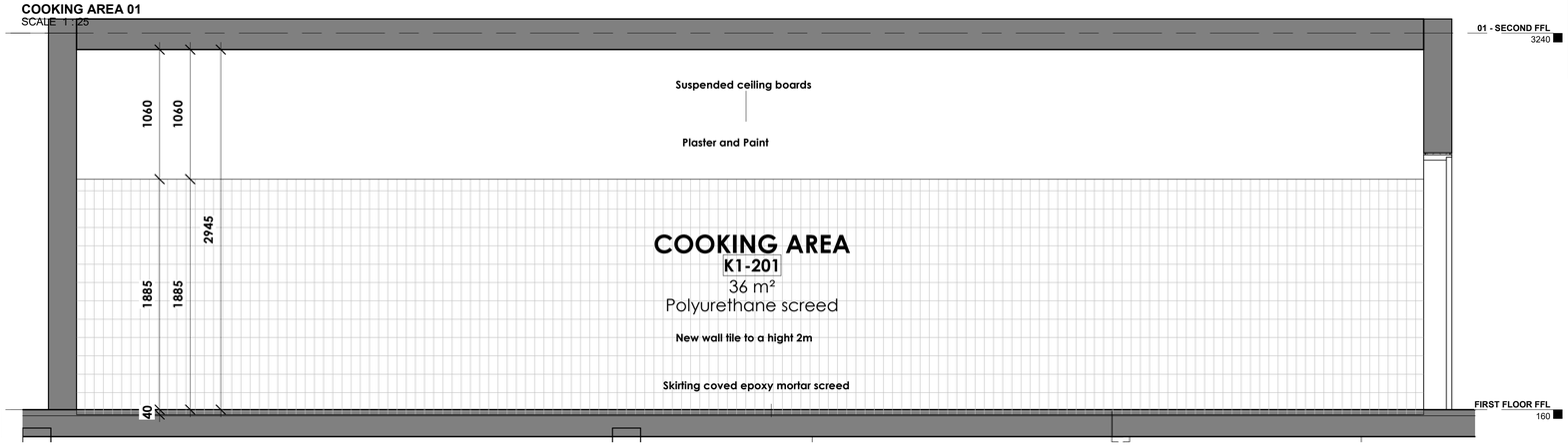




COOKING AREA 04
SCALE 1 : 25



COOKING AREA 01
SCALE 1 : 25



COOKING AREA 02
SCALE 1 : 25

COOKING AREA 03
SCALE 1 : 25

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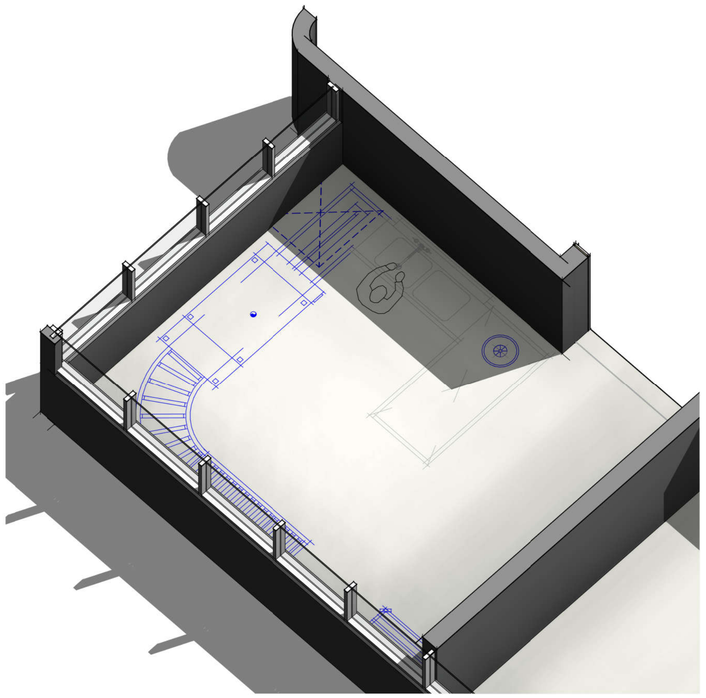
TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

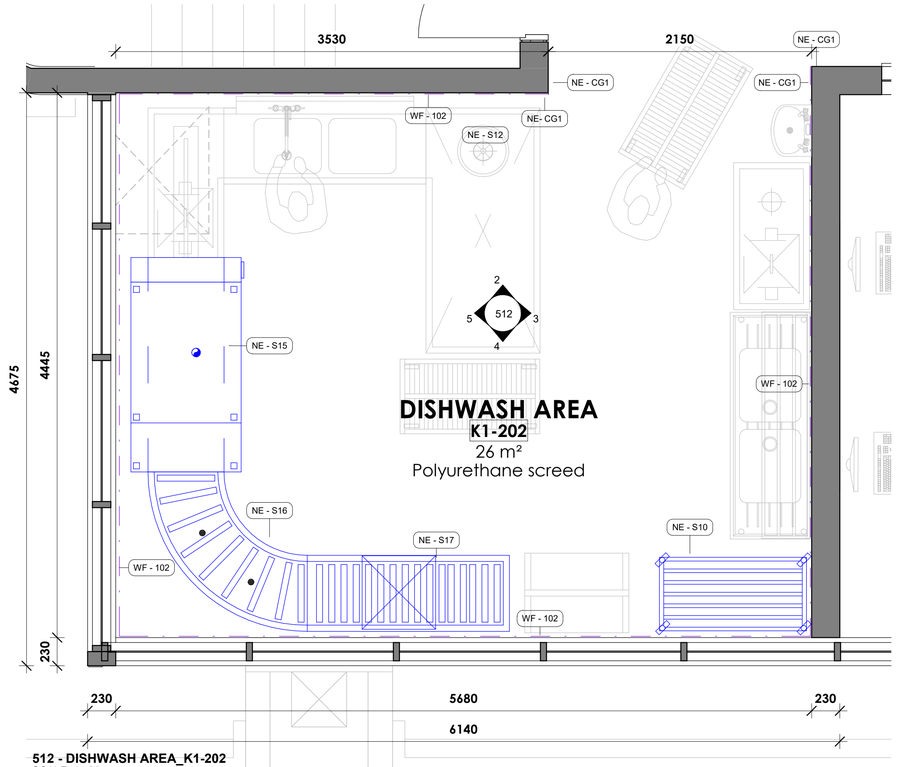
90 PLEIN KITCHEN

DRAWING
COOKING AREA K1-201

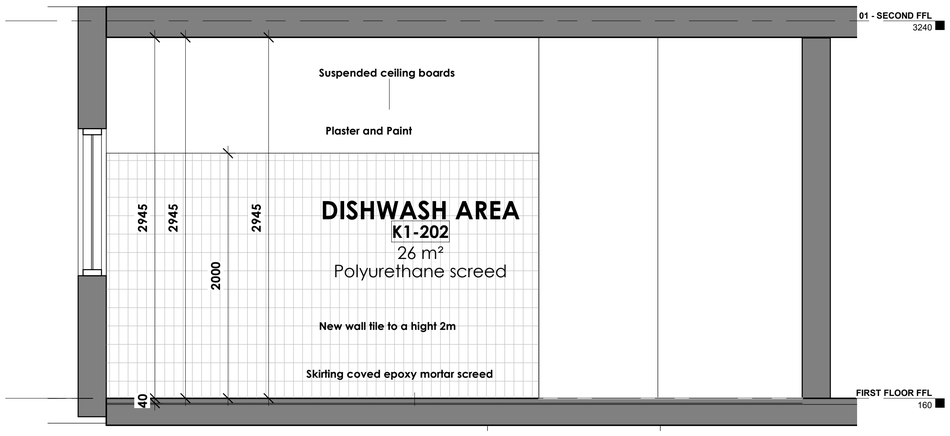
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1 : 25	06/09/2024	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 511			F



DISHWASH AREA_K1-202 OVERVIEW
SCALE



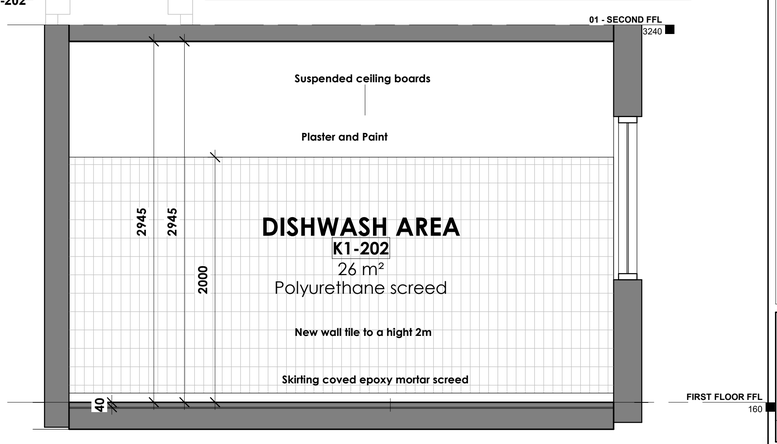
512 - DISHWASH AREA_K1-202
SCALE 1 : 25



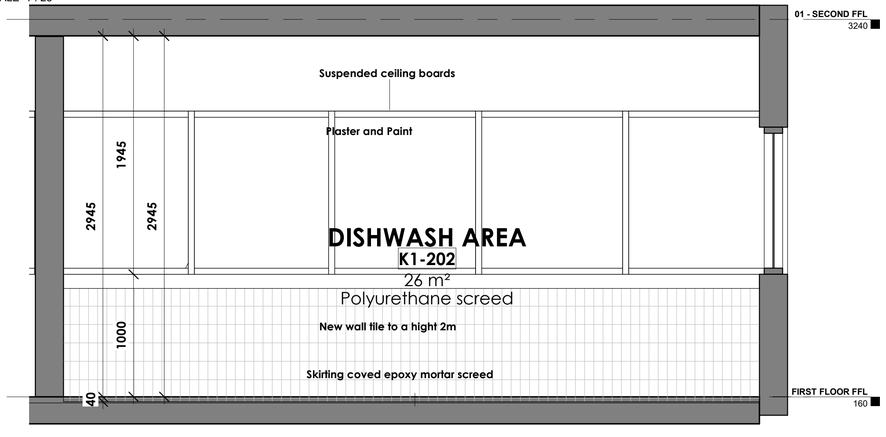
DISHWASH AREA 01
SCALE 1 : 25

KEY PLAN LEGEND K1 - 202

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NE- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas
NE - S09	New Equipment	S/S wash hand basin
NE - S10	New Equipment	Mobile pot rack
NE - S11	New Equipment	S/s wouble diries angled dump tale wirth waste disposal cone
NE - S12	New Equipment	3hp waste disposal machine
NE - S13	New Equipment	S/s pre wash sink with overhead spary unit
NE - S14	New Equipment	S/s angled power loader
NE - S15	New Equipment	Comenda ac2e rack advancing dishwasher
NE - S16	New Equipment	90 degree roller outlet table
NE - S17	New Equipment	S/s roller outlet table
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.



DISHWASH AREA 02
SCALE 1 : 25



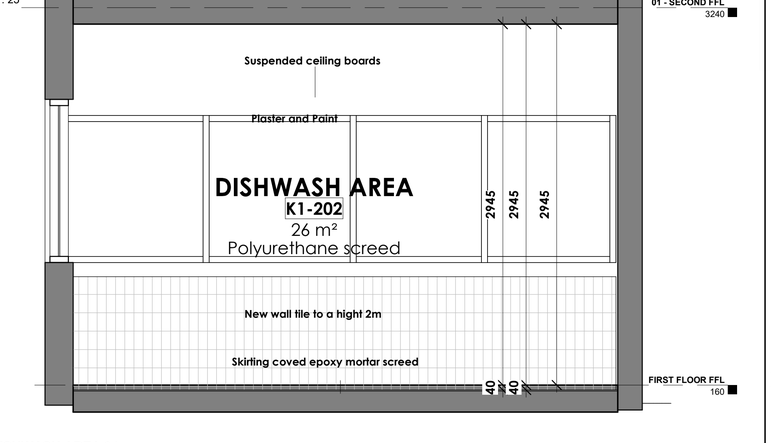
DISHWASH AREA 03
SCALE 1 : 25

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.



DISHWASH AREA 04
SCALE 1 : 25

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ALL GLAZING IN COMPLIANCE WITH DSS SANS 10400-PART N LATEST EDITION

ALL DOOR AND WINDOW OPENINGS TO BE IN ACCORDANCE WITH THE DOOR AND WINDOW SCHEDULES

QUALITY OF ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH THE RELEVANT S.A.B.S. AND B.S.S. SPECIFICATIONS.

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DRAWING SCHEDULE

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101	FIRST FLOOR
200	STAIRCASE DETAIL
210	GROUND FLOOR CEILING 90 PLEIN
211	FIRST FLOOR CEILING 90 PLEIN
500	BULK FREEZER ROOM K0-101
501	BULK COLD ROOM K0 - 102
502	VEG PREP AREA /GENERAL K0 - 103
503	POT WASH AREA K0 - 104
504	CHEMICAL STORE K0 - 105
505	DRY STORE K0 - 106
506	BEVERAGE STORE K0 - 107
507	BEVERAGE COLD ROOM K0 - 108
508	FEMALE TOILET K0 - 109
509	MALE TOILET K0 - 110
510	TOILET K0 - 111
511	COOKING AREA K1-201
512	DISHWASH AREA K1-202
513	OFFICE K1-203
514	STORE ROOM K1-204
515	BREAKFAST KITCHEN K1-205
516	FREEZER K1-206
700	DOOR & WINDOW SCHEDULE

CLIENT

public works & infrastructure
Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

ARCHITECTURE | DESIGN | INNOVATION
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Cape Town, 7530
Tel: +27 21 424 7742 | Fax: +27 86 662 2199

ARCHITECT	SACAP No.	SIGNATURE
ANIL PARSHOTAM	5349	

TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

90 PLEIN KITCHEN

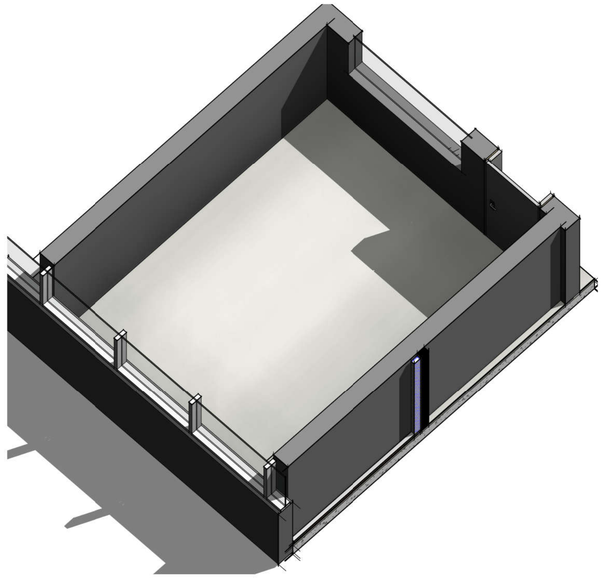
DRAWING
DISHWASH AREA K1-202

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R

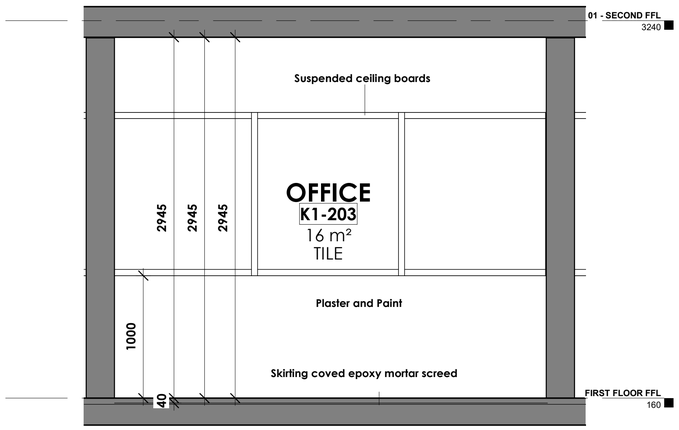
PROJECT NUMBER — PAGE SIZE **A 1**

DRAWING NUMBER — REVISION

WC015 - 512 — F



OFFICE_K1-203 OVERVIEW
SCALE



OFFICE 01
SCALE 1 : 25

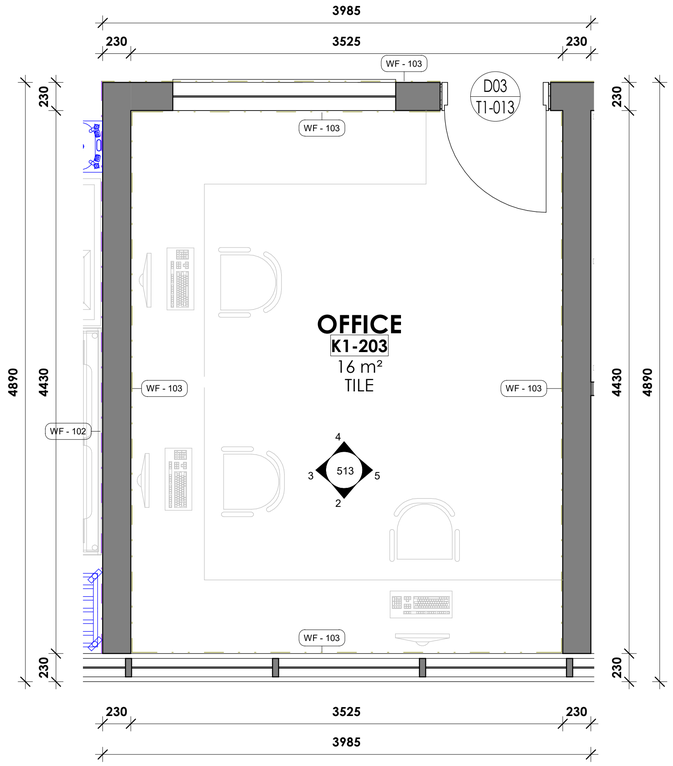
KEY PLAN LEGEND K1 - 203

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
WF - 103	Wall Finish	Existing Brick walls with plaster and paint, to be repainted to match with existing colour,Prepare and apply 1 coat hicover primer and 2 coats Wallbrite low sheen acrylic coating to approved colour.
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

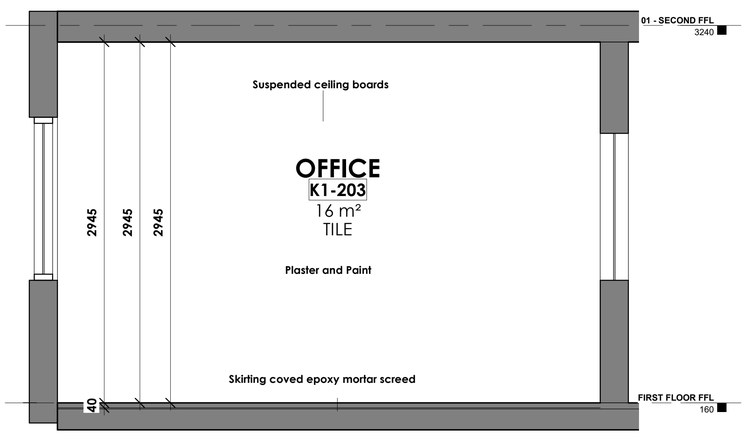
LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
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	EXISTING WALL
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LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

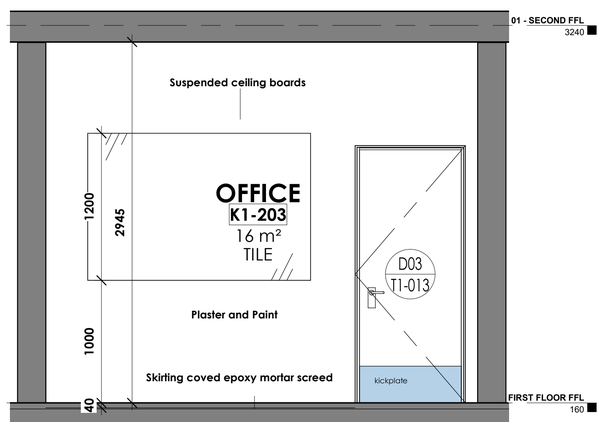
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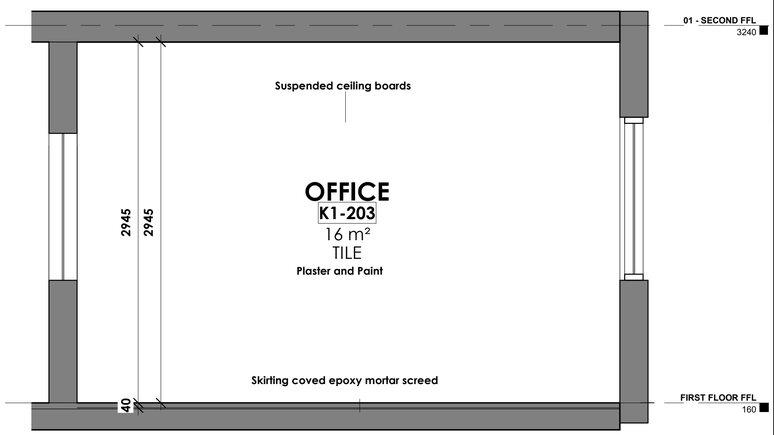
512 - OFFICE_K1-203
SCALE 1 : 25



OFFICE 02
SCALE 1 : 25



OFFICE 03
SCALE 1 : 25



OFFICE 04
SCALE 1 : 25

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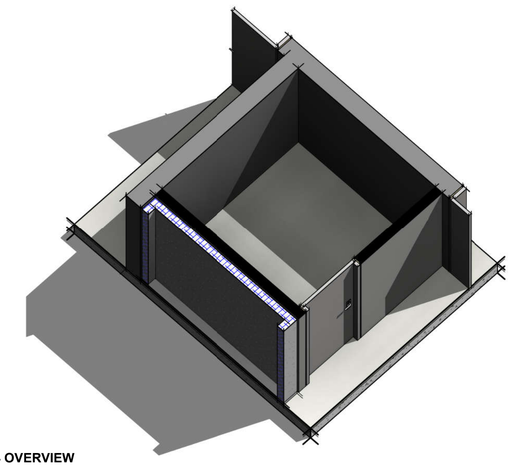
TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

90 PLEIN KITCHEN

DRAWING
OFFICE K1-203

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 513			F



STORE ROOM_K1-204 OVERVIEW
SCALE

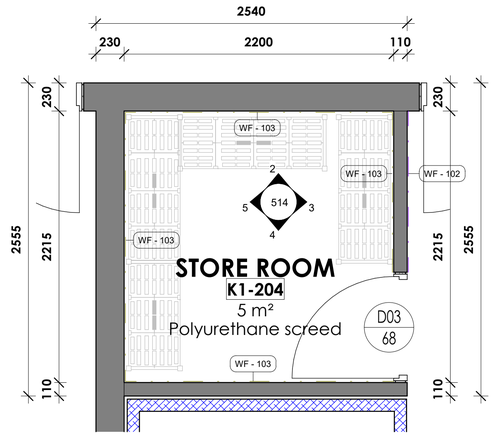
KEY PLAN LEGEND K1 - 204

NEW ALTERATIONS		
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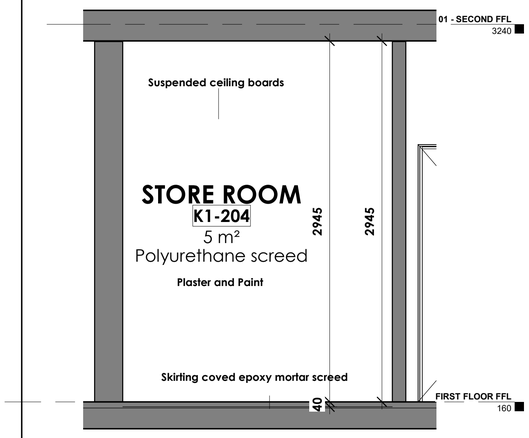
LEGEND	
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	NEW COLDROOM BY SPECIALIST
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– – – – – – –	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

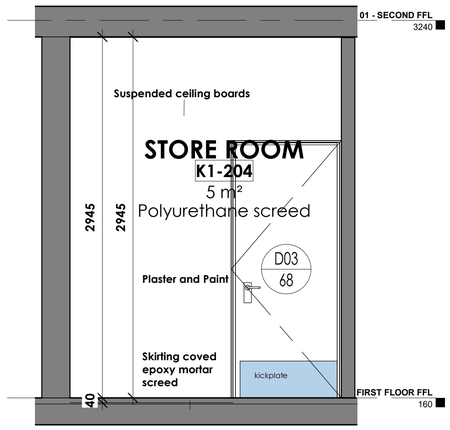
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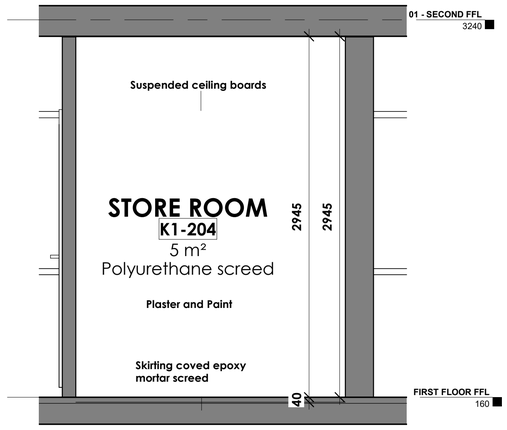
513 - STORE ROOM_K1-204
SCALE 1 : 25



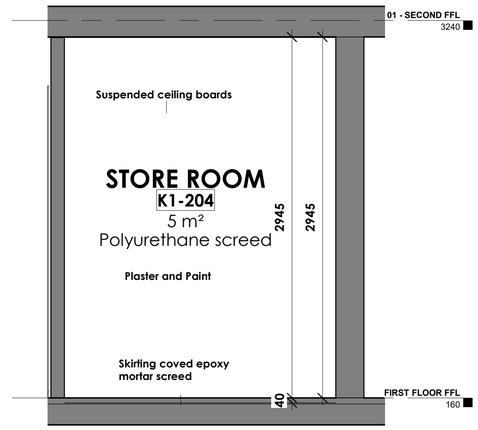
STORE ROOM 01
SCALE 1 : 25



STORE ROOM 02
SCALE 1 : 25



STORE ROOM 03
SCALE 1 : 25



STORE ROOM 04
SCALE 1 : 25

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ARCHITECT	SACAP No.	SIGNATURE
ANIL PARSHOTAM	5349	

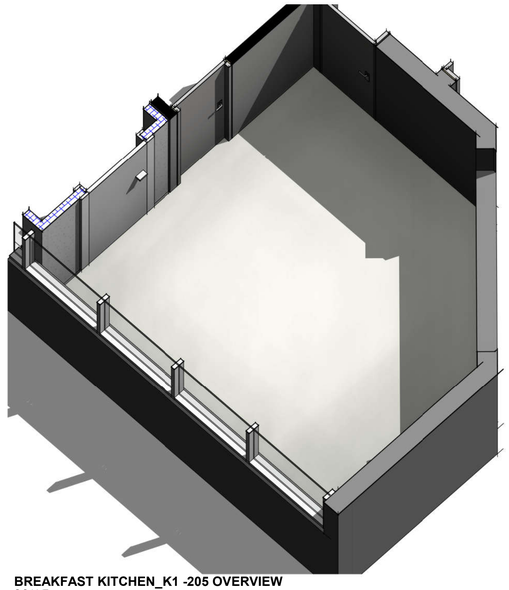
TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

90 PLEIN KITCHEN

DRAWING
STORE ROOM K1-204

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 514			F



BREAKFAST KITCHEN_K1 -205 OVERVIEW
SCALE

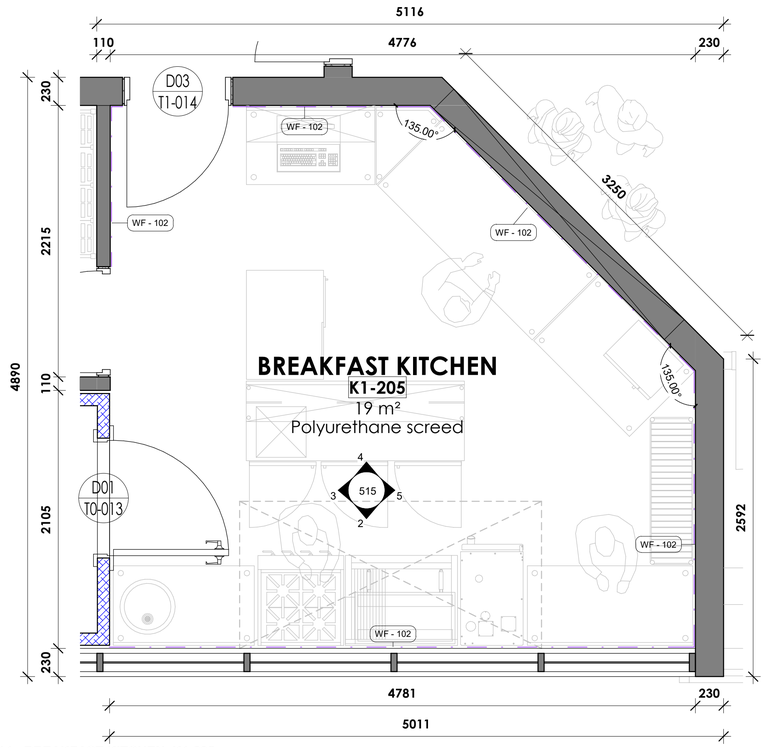
KEY PLAN LEGEND K1 - 205

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

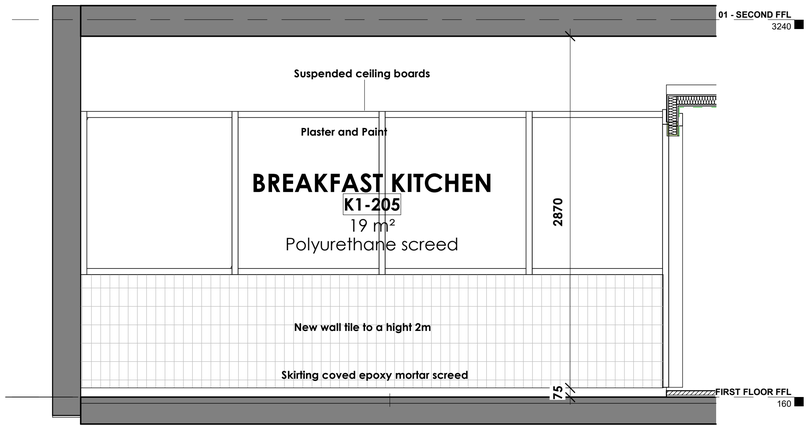
LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

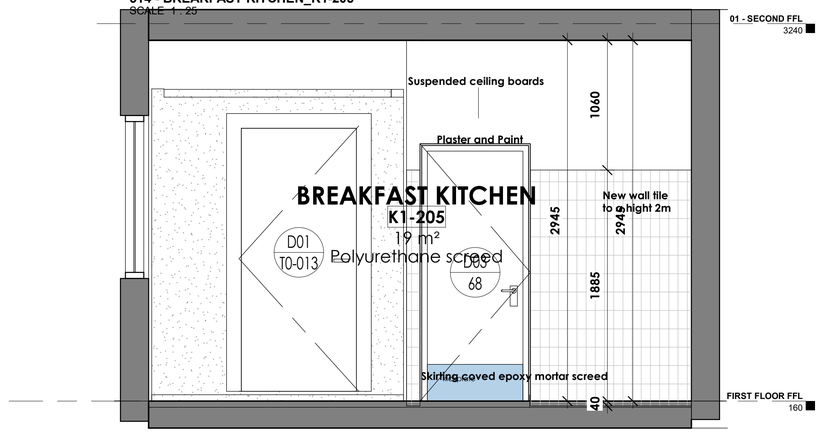
GENERAL NOTES:
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- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.



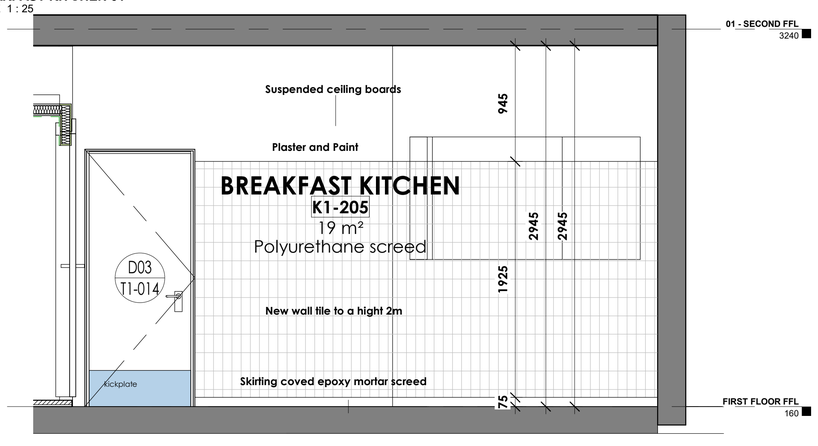
514 - BREAKFAST KITCHEN_K1-205
SCALE 1 : 25



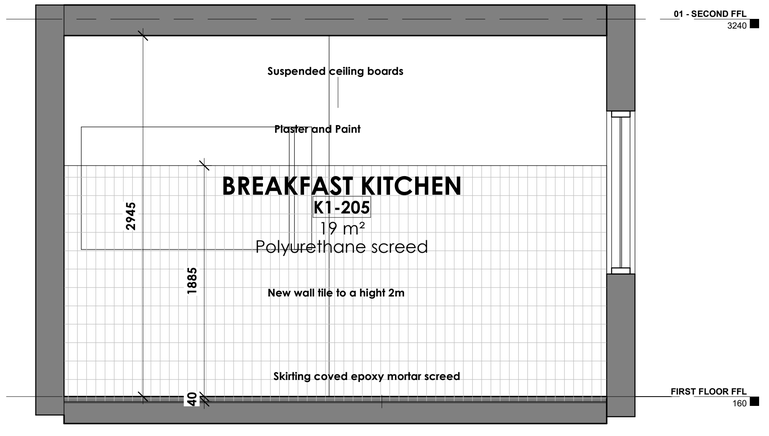
BREAKFAST KITCHEN 01
SCALE 1 : 25



BREAKFAST KITCHEN 02
SCALE 1 : 25



BREAKFAST KITCHEN 03
SCALE 1 : 25



BREAKFAST KITCHEN 04
SCALE 1 : 25

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ALL GLAZING IN COMPLIANCE WITH DSS SANS 10400-PART N LATEST EDITION

ALL DOOR AND WINDOW OPENINGS TO BE IN ACCORDANCE WITH THE DOOR AND WINDOW SCHEDULES

QUALITY OF ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH THE RELEVANT S.A.B.S. AND B.S.S. SPECIFICATIONS.

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F	2024/09/06	Issue for tender	

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DRAWING SCHEDULE

DRAWING NUMBER	DRAWING NAME
100	GROUND FLOOR
101	FIRST FLOOR
200	STAIRCASE DETAIL
210	GROUND FLOOR CEILING 90 PLEIN
211	FIRST FLOOR CEILING 90 PLEIN
500	BULK FREEZER ROOM K0-101
501	BULK COLD ROOM K0 - 102
502	VEG PREP AREA /GENERAL K0 - 103
503	POT WASH AREA K0 - 104
504	CHEMICAL STORE K0 - 105
505	DRY STORE K0 - 106
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510	TOILET K0 - 111
511	COOKING AREA K1-201
512	DISHWASH AREA K1-202
513	OFFICE K1-203
514	STORE ROOM K1-204
515	BREAKFAST KITCHEN K1-205
516	FREEZER K1-206
700	DOOR & WINDOW SCHEDULE

CLIENT
public works & infrastructure
Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

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TENDER DRAWING

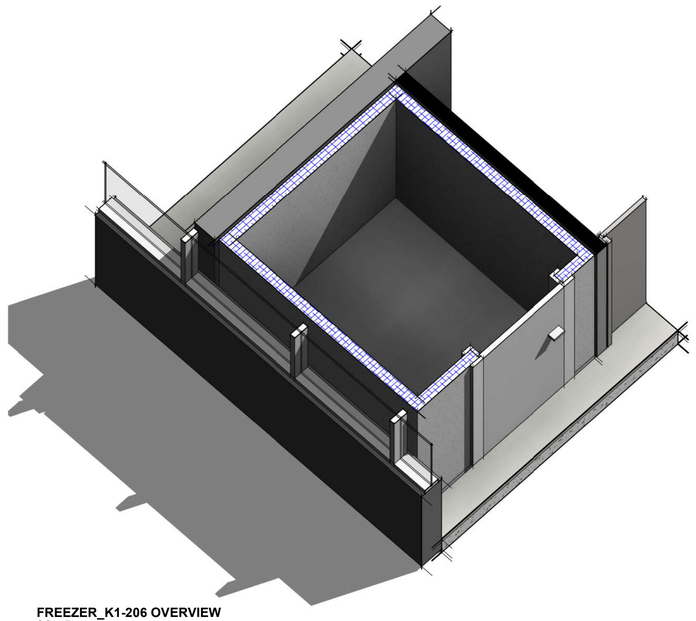
PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

90 PLEIN KITCHEN

DRAWING
BREAKFAST KITCHEN K1-205

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1

DRAWING NUMBER
WC015 - 515
REVISION F



FREEZER_K1-206 OVERVIEW
SCALE

KEY PLAN LEGEND K1 -206

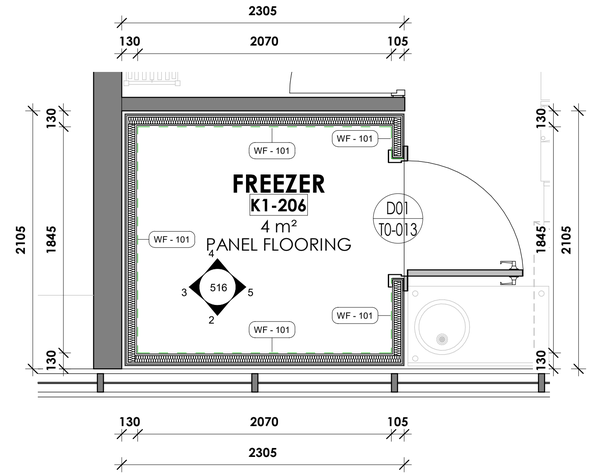
NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 101	Wall Finish	0.5mm chromadek, frost white galvanizing grade Z200
C0 - 001	Cold room door	As per specilist spec

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
- - - - - - -	DEMOLISHED

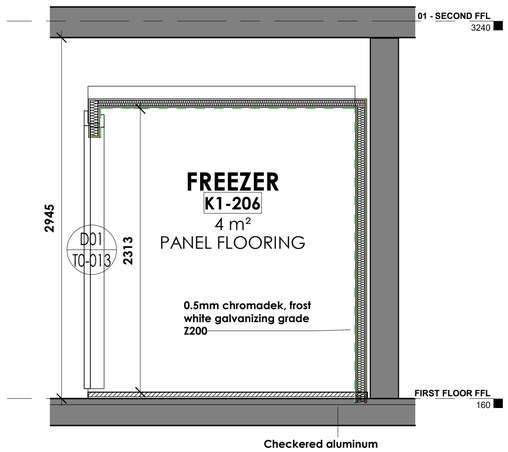
LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

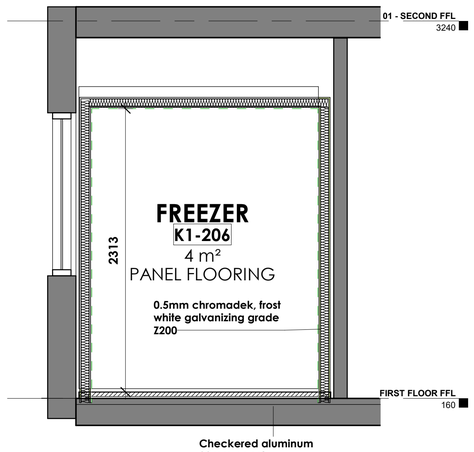
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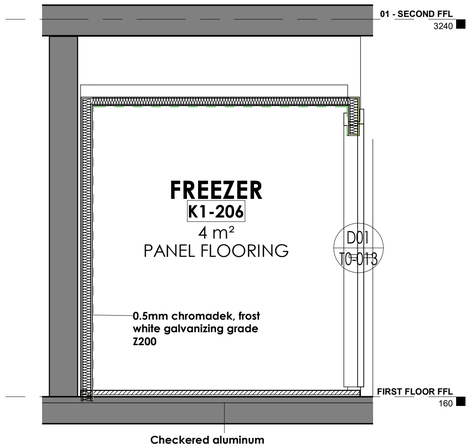
515- FREEZER_K1-206
SCALE 1 : 25



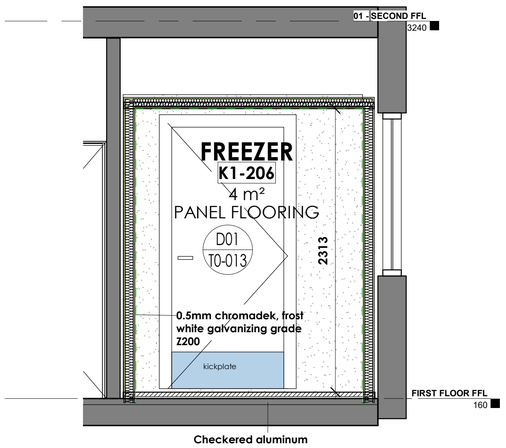
FREEZER 01
SCALE 1 : 25



FREEZER 02
SCALE 1 : 25



FREEZER 03
SCALE 1 : 25



FREEZER 04
SCALE 1 : 25

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516	FREEZER K1-206
700	DOOR & WINDOW SCHEDULE

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Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

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ANIL PARSHOTAM	5349	

TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

90 PLEIN KITCHEN

DRAWING
FREEZER K1-206

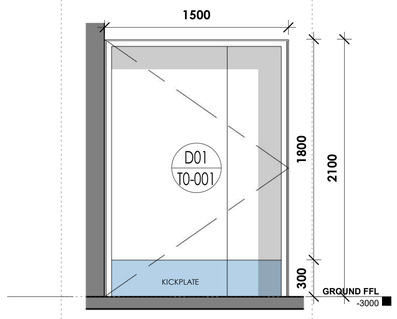
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As indicated	06/09/2024	A.N	B.R

PROJECT NUMBER — PAGE SIZE **A1**

DRAWING NUMBER — REVISION

WC015 - 516 — F

DOOR SCHEDULE



D02
SCALE 1 : 25

QUANTITY:1

DOOR SIZE:
H - 2100mm, W - 1500mm. - DOUBLE DOOR

FRAME CONSTRUCTION:
1.2mm Pressed steel single rebated door frame to suit door size, wall thickness.

FRAME FINISH:
Shop applied WHITE primer. Prepare and apply 1 coat universal undercoat and 2 coats super enamel. Colour - WHITE. Applied to manufacturers specifications.

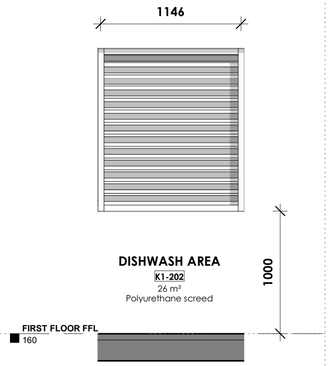
DOOR CONSTRUCTION:
44mm Thick Solid Core flush panel single door with concealed hardwood edges all round, with 3,2mm timber veneer (wood type) covering to both sides.

DOOR FINISH:
Prepare and apply 1 coat alkyd base WHITE undercoat and 2 coats Plascon eggshell WHITE topcoats. Applied to manufacturers specifications.

IRONMONGERY:

- Pair of DORMA DBB-SS-009 stainless steel standard butt hinges size 102 x 75 x 3mm.
- Pair of DORMA Square DSQ901 satin finish solid stainless steel spring loaded lever handles with two DSQ001 keyhole escutcheon and DORMA D034S multi-lever sash lock with lock case, stainless steel forend.
- Two DSQ001 keyhole escutcheon.
- DORMA D034S multi-lever sash lock with lock case.
- DORMA DDS-SS-017 stainless steel door stop.

WINDOW SCHEDULE



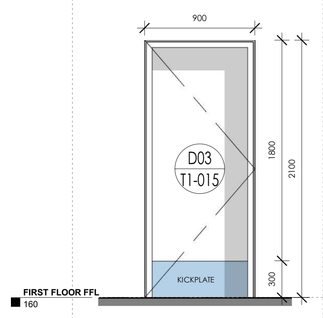
QUANTITY:1

DESCRIPTION:
Wispeco Clip44 with Louvre insert - 1146mm Wide X 1331mm High

SURFACE FINISH:
ANP1052 White Powder Coating

WIND LOAD :
1500 Pascal's (1.5Kpa)

DOOR SCHEDULE



D03
SCALE 1 : 25

QUANTITY:1

DOOR SIZE:
H - 2100mm, W - 900mm. -SINGLE DOOR

FRAME CONSTRUCTION:
1.2mm Pressed steel single rebated door frame to suit door size, wall thickness.

FRAME FINISH:
Shop applied WHITE primer. Prepare and apply 1 coat universal undercoat and 2 coats super enamel. Colour - WHITE. Applied to manufacturers specifications.

DOOR CONSTRUCTION:
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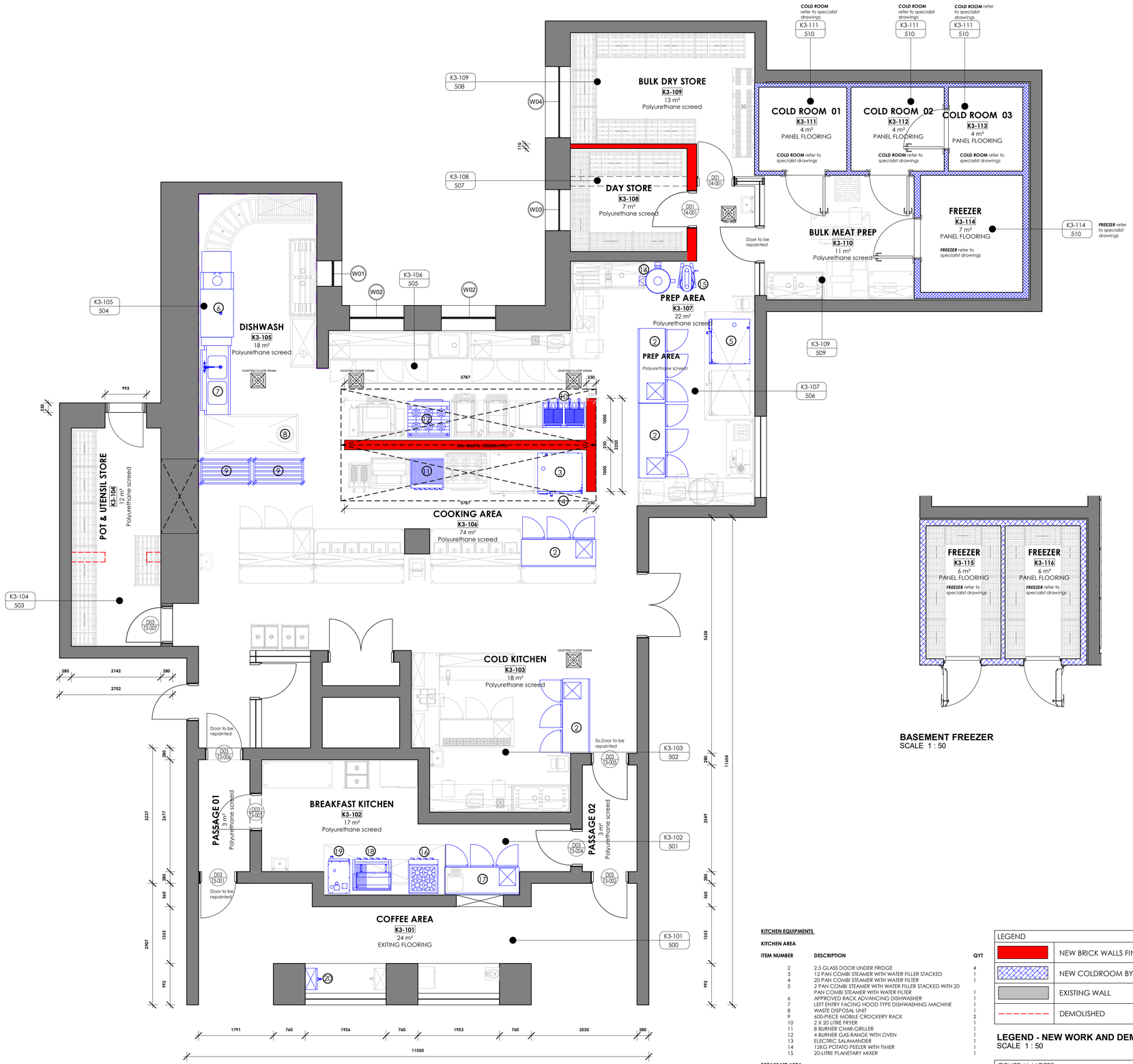
DRAWING
DOOR & WINDOW SCHEDULE

SCALE	DATE	DRAWN	CHECKED
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PROJECT NUMBER — PAGE SIZE **A1**

DRAWING NUMBER — REVISION

WC015 - 700 — F



100 - GROUND FLOOR PLAN
SCALE 1 : 50

BASEMENT FREEZER
SCALE 1 : 50

KITCHEN EQUIPMENTS

KITCHEN AREA

ITEM NUMBER	DESCRIPTION	QYT
2	2.5 GLASS DOOR UNDER FRIDGE	4
3	12 PAN COMBI STEAMER WITH WATER FILLER STACKED	1
4	20 PAN COMBI STEAMER WITH WATER FILTER	1
5	2 PAN COMBI STEAMER WITH WATER FILLER STACKED WITH 20 PAN COMBI STEAMER WITH WATER FILTER	1
6	APPROVED RACK ADVANCING DISHWASHER	1
7	LEFT ENTRY FACING HOOD TYPE DISHWASHING MACHINE	1
8	WASTE DISPOSAL UNIT	1
9	600-PIECE MOBILE CROCKERY RACK	2
10	2 X 20 LITRE FRYER	1
11	8 BURNER CHAR-GRILLER	1
12	4 BURNER GAS RANGE WITH OVEN	1
13	ELECTRIC SALAMANDER	1
14	12KG POTATO PEELER WITH TIMER	1
15	20-LITRE PLANETARY MIXER	1

BREAKFAST AREA

16	4 BURNER GAS BOILING STAINLESS STEEL TABLE, FITTED WITH A STAINLESS STEEL FULL-WIDTH CRUMB TRAY ON FOUR LEVELLING DEVICE LEGS	1
17	1780MM LONG STAINLESS STEEL UNDER BAR TABLE WITH SPLASHBACK	1
18	5-BURNER GAS FLAT TOP HALF-RIBBED GRILLER ON COUNTER STAND	1
19	ICOMBI COMPACT AND INCLUDING STAND	1
20	WALL-MOUNTED HYDROFOIL WITH DRIP TRAY INCLUDING STAINLESS STEEL DRAIN	1

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

GENERAL COUNCIL NOTES:
ALL WORK TO BE DONE FROM FIGURED DIMENSIONS ONLY. ALL WORK MUST COMPLY WITH NATIONAL BUILDING REGULATIONS SANS 10400AND THE RELEVANT PARTS OF SANS 2001. ALL DIMENSIONS AND LEVELS TO BE CONFIRMED ON SITE PRIOR TO THE COMMENCEMENT OF WORK. ALL DIMENSIONS TO BE CONFIRMED ON SITE BEFORE PRODUCING SHOP DRAWINGS OR MANUFACTURING OF ANY COMPONENT. ALL DIMENSIONS TO BE CONFIRMED ON SITE BEFORE ORDERING OF ANY COMPONENT. THE MODEL PREAMBLES FOR TRADES 2008 PUBLISHED BY THE ASSOCIATION OF SOUTH AFRICAN QUANTITY SURVEYORS ARE TO BE APPLIED TO THIS PROJECT. THIS DOCUMENT AND THE ACCOMPANYING DRAWINGS HAVE BEEN PREPARED NDS, SOLELY FOR THE PURPOSE OF OBTAINING COUNCIL APPROVAL FROM THE LOCAL MUNICIPALITY BY DEMONSTRATING COMPLIANCE OF THE PROPOSED BUILDING WITH THE APPLICABLE NATIONAL BUILDING REGULATIONS. THE ARCHITECT HAS BEEN APPOINTED TO PREPARE THESE DOCUMENTS ONLY AND HAS NOT PARTICIPATED IN THE DESIGN OF THE BUILDING NOR WILL BE INVOLVED IN THE CONSTRUCTION OR THE EXECUTION OF THE BUILDING FIT-OUT, WHICH INCLUDES, BUT IS NOT LIMITED TO THE SAFETY AND EMERGENCY INSTALATIONS WHICH ARE THE RESPONSIBILITY OF THE CLIENT AND PROJECT ASSIGMENTS PTY LTD. THE ARCHITECT EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE USE OF THESE DOCUMENTS FOR ANY PURPOSES BEYOND THEIR SUBMISSION TO THE LOCAL MUNICIPALITY FOR APPROVAL AND DEMONSTRATION OF COMPLIANCE WITH THE NATIONAL BUILDING REGULATIONS. THESE DOCUMENTS ARE NOT INTENDED FOR AND SHALL NOT BE USED FOR CONSTRUCTION PURPOSES OR AS A BASIS FOR THE EXECUTION OF THE PROJECT. THE ARCHITECT MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, REGARDING THE SUITABILITY OF THESE DOCUMENTS FOR ANY CONSTRUCTION OR IMPLEMENTATION ACTIVITIES. THE CLIENT AND THEIR APPOINTED CONTRACTORS AND CONSULTANTS ARE RESPONSIBLE FOR ENSURING THAT THE PROJECT COMPLIES WITH THESES DOCUMENTS TOGETHER WITH ALL APPLICABLE LAWS, REGULATIONS, AND STANDARDS, INCLUDING BUT NOT LIMITED TO THOSE RELATED TO SAFETY, CONSTRUCTION, AND ENVIRONMENTAL IMPACTS. THE ARCHITECT SHALL NOT BE LIABLE FOR ANY DAMAGES, LOSSES, OR EXPENSES ARISING OUT OF OR IN CONNECTION WITH THE USE OF THESE DOCUMENTS FOR PURPOSES OTHER THAN THEIR INTENDED USE AS SPECIFIED HEREIN. THIS INCLUDES, WITHOUT LIMITATION, ANY LIABILITY FOR CONSTRUCTION DEFECTS, DELAYS, OR NON-COMPLIANCE WITH ANY LAWS OR REGULATIONS. BY USING THESE DOCUMENTS FOR ANY PURPOSE OTHER THAN THEIR INTENDED USE, THE USER AGREES TO INDEMNIFY AND HOLD HARMLESS THE ARCHITECT FROM AND AGAINST ANY CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEYS' FEES, ARISING OUT OF SUCH USE.

SITE OPERATIONS:
SITE OPERATION TO BE IN ACCORDANCE WITH SANS 10400 PART F.

SAFETY:
ALL IN ACCORDANCE WITH SANS 10400 PART S. ALL BALUSTRADES AND HANDRAILS TO COMPLY WITH SANS 10400 PART -S. ALL RAMPS TO COMPLY WITH SANS 10400 PART-S.

WINDOWS AND DOORS
ALL DOORS AND WINDOWS AS SPECIFIED ON DOOR & WINDOW SCHEDULES.
INTERNAL CILLS TO BE PLASTERED TO DET. DRAWING
OVER ALL OPENINGS NOT EXCEEDING 3M LAID TO MANUFACTURER'S SPECIFICATIONS.
ALL GLAZING IN EXCESS OF 1 SQUARE-METRE OR LESS THAN 500MM AFFL IS TO BE SAFETY GLAZED IN ACCORDANCE WITH BUILDING REGULATIONS
ALL GLAZING TO BE IN ACCORDANCE WITH SANS 10400 PART N AS PER AAAMSA. EXISTING DOORS TO BE SANDED DOWN AND PAINTED, AS PER SPECIALIST DETAILS
IRONMONGERY TO BE SERVICED CLEANED AND REUSED

DEMOLITIONS AND ALTERATIONS
ALL DEMOLITIONS TO BE DONE IN TERMS OF THE LOCAL AUTHORITY BY-LAWS. DESCRIPTIONS OF DEMOLITIONS GIVE A ROUGH GUIDE ONLY AS TO THE SCOPE OF THE WORK. TENDERERS ARE THEREFORE ADVISED TO VISIT THE SITE BEFORE SUBMITTING A TENDER AND TO ACQUAINT THEMSELVES WITH THE NATURE AND EXTENT OF THE WORK TO BE DONE AND THE VALUE OF RECOVERABLE MATERIALS WHICH ARE NOT TO BE RE-USED OR HANDED OVER TO THE EMPLOYER. UNLESS OTHERWISE STATED, LOOSE FURNITURE, KITCHEN AND OTHER EQUIPMENT, APPARATUS, MACHINERY, ETC. SHALL REMAIN THE PROPERTY OF THE EMPLOYER. HOWEVER THE CONTRACTOR IS TO ALLOW IN THEIR PRICE FOR THE REMOVAL OF ALL SUCH ITEMS. THE CONTRACTOR MUST ESTABLISH THE STRUCTURAL NATURE OF THE WALLS TO BE DEMOLISHED AND DETERMINE WHETHER THERE ARE SERVICES LOCATED IN THE WALLS. PRIOR TO COMMENCING DEMOLITION WORK AND REPORT THE STATUS OF THE WALLS TO THE CLIENT OR CLIENT'S AGENT. THE CONTRACTOR MUST OBTAIN PERMISSION FROM THE STRUCTURAL ENGINEER TO CHASE HORIZONTALLY INTO BRICK FOR ANY CONDUITS OR PIPES. THE CONTRACTOR TO SURVEY AND MARK THE POSITION OF ALL SUBSURFACE SERVICES WITHIN THE CONSTRUCTION AREA PRIOR TO COMMENCING ANY WORK AND TO SUBMIT A DRAWING OF THE SURVEYED SERVICES TO THE ARCHITECT AND ENGINEER. THE CONTRACTOR SHALL OBTAIN A WRITTEN INSTRUCTION FOR ANY CHANGES THAT ARE REQUIRED DUE TO THE SURVEYED DATA PRIOR TO PUTTING ANY DEVIATION WORK IN HAND. REMOVAL OF ANY ASBESTOS ROOF IS TO BE DONE BY A SPECIALIST CONTRACTOR AND IS TO BE DONE STRICTLY IN ACCORDANCE WITH SANS AS WELL AS LOCAL AUTHORITY AND BY-LAWS. THE CONTRACTOR SHALL MAKE GOOD IN ALL TRADES TO EXISTING WORK WHICH HAS BEEN DAMAGED OR DISTURBED THROUGH THE ALTERATIONS WITH ALL NEW MATERIALS OR TO MATCH EXISTING WHERE APPLICABLE. PLASTER WORK AT NEW AND EXISTING MASONRY JUNCTIONS TO BE SCORED AND SEALED WITH POLYURETHANE SEALANT TO ALLOW FOR MOVEMENT. NEW MASONRY TIED INTO EXISTING MASONRY WITH GALV. HOOP IRON STRAPS SHOT FIRED EVERY 2ND COURSE INTO EXISTING MASONRY AND DRESSED A MIN. OF 600MM INTO NEW MASONRY . MOVEMENT JOINT IN PLASTER BETWEEN NEW AND EXISTING MASONRY, SCREED, FLOOR FINISH AND CEILING MODIFIED TO RECEIVE SEALANT. ALL SURFACES OR FINISHES AFFECTED BY THE ALTERATION WORK TO BE MADE GOOD. ALL FINISHES TO MATCH EXISTING UNLESS OTHERWISE SPECIFIED.

WALL PAINT
WEATHER BUCKLER MODIFIED ACRYLIC PAINT (COLOUR TO BE SELECTED) TO INTERIOR CEMENT PLASTER. SURFACE TO BE CLEAN, DRY AND DUST FREE WITH A MOISTURE CONTENT OF LESS THAN 15%. PRIME SURFACE WITH ONE COAT APCOAT PRIMER FOR NEW PLASTER WITH AN OVERCOATING TIME OF 18 HOURS AND FINISH WITH TWO COATS WEATHER BUCKLER .THINNING THE FIRST COAT UP TO 10% WITH WATER WITH AN OVERCOATING TIME OF 4 HOURS. ON INTERNAL WALLS

WALL TILES FINISHES
100MM X 200MM CERAMIC WALL TILES WITH EPOXY GROUT TO UNDERSIDE OF CEILING - COLOUR AS PER APPROVED SAMPLE **ALLOW ALL NEW WALL RENDERING TO CURE FOR AT LEAST 14 DAYS.**
THE RENDERING MUST BE FIRMLY ATTACHED TO THE SUBSTRATE, MUST BE INTEGRALLY SOUND (NO CRUMBLING, CRACKING, ETC) AND MUST BE OF A QUALITY AND CONSISTENCY SUITABLE FOR TILING IE ABLE TO SUPPORT THE ADDED WEIGHT OF THE ADHESIVE AND TILE. ALL DAMAGED, DEFECTIVE, DETERIORATED OR HOLLOW SOUNDING AREAS MUST BE REMOVED AND MADE GOOD BEFORE PROCEEDING. RENDERS SHOULD BE LEFT WITH A WOODFLOATED FINISH AND MUST NOT BE SKIMCOATED WITH GYPSUM PLASTER.**THE SUBSTRATE MUST BE CLEAN AND DRY AND FREE FROM ALL TRACES OF DUST, LOOSE PARTICLES AND SURFACE CONTAMINANTS WHICH COULD IMPAIR ADHESION.**

WALLS
MASONRY, ALL IN ACCORDANCE WITH SANS 10400 PART K
ALL WALLS TO BE CONSTRUCTED WITH CLAY BRICKS. ALL WALLS (INTERNAL & EXTERNAL) TO HAVE GMS BRICK FORCE EVERY FOURTH COURSE ALL IN ACCORDANCE WITH THE STRUCTURAL ENGINEERS DETAILS.
230mm NFX clay brick cavity walls consisting of 110mm inner
and outer skins with 10mm cavity with 5no wall ties per m²
375 micron 'brickgrip' embossed DPC to be provided horizontally in all external walls at floor level.
ALL OPENINGS IN THE EXTERNAL BRICKWORK TO HAVE VERTICAL AND HORIZONTAL "GUNPLAS" DAMP PROOF COURSES (250MICRON) AROUND OPENINGS. DPC AT FFL TO BE POSITIONED 150MM ABOVE PAVING OR NGL.
ALL OPENINGS LESS THAN 3000MM TO HAVE PC LINTELS OVER. THE TOP FOUR COURSES ABOVE THE PC LINTELS TO HAVE BRICKFORCE IN EACH COURSE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. OPENINGS EXCEEDING 3000MM TO HAVE RC BEAMS OVER TO THE STRUCTURAL ENGINEER'S DETAILS.
INTERNAL WALLS TO BE PLASTERED AND PAINT FINISHED (AS PER FINISHES AND PAINT SCHEDULE).
ALL EXTERNAL TO BE AS PER FINISHES AND PAINT SCHEDULE
ALL EXTERNAL LOAD BEARING BRICKWORK AND INTERNAL NON LOAD BEARING BRICKWORK TO BE BUILT WITH BRICKS WITH THE APPROPRIATE CRUSHING STRENGTH.

STRUCTURE
ALL RELATED WORK TO STRUCTURE TO BE CARRIED OUT TO STRUCTURAL ENGINEER'S DETAILS/REQUIREMENTS AND UNDER HIS/HER SUPERVISON

FLOOR FINISHES
EXISTING FLOOR FINISHES TO BE REMOVED, SCREEDS TO FALL TO FLOOR DRAINS AS PER THE WET SERVICES LAYOUTS. STRIP THE EXISTING FLOOR COVERING TO EXPOSE THE SCREED/TOPPING.
THE SCREED HAS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF **25MPA AS MINIMUM REQUIREMENT** TO RECEIVE **POLYSCREED RT** (3DAYS)
SHOULD THE SCREED FAIL TO MEET THIS REQUIREMENT, IT MUST BE REMOVED AND REPLACED.(1 WEEK + 1 WEEK CURING)
SHOULD THE SCREED COMPLY TO THIS REQUIREMENT, IT MUST BE SMOOTHED BY MECHANICAL GRINDING.(3 DAYS)
INSTALL **POLYSCREED RT ACCORDING TECHNICAL FINISHES** GUIDELINES, AND CURE (7 DAYS)
THE **POLYSCREED RT** MUST BE INSTALLED BY AN ACCREDITED TECHNICAL FINISHES CONTRACTOR TO RETAIN ANY PRODUCT WARRANTEE.

COLD ROOM
COLD ROOM FLOORS BY SPECIALIST

SUSPENDED CEILING
Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Bulb-cut suspension system, comprising galvanised main tees and cross tees with minimum 2150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

KITCHEN EQUIPMENT
KITCHEN EQUIPMENT TO BE SURVEYED AND REUSED WHERE POSSIBLE AS PER THE QUANTITY SURVEYORS ALLOWANCE AND RECOMMENDATION

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ALL GLAZING IN COMPLIANCE WITH DSS SANS 10400-PART N LATEST EDITION

ALL DOOR AND WINDOW OPENINGS TO BE IN ACCORDANCE WITH THE DOOR AND WINDOW SCHEDULES

QUALITY OF ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH THE RELEVANT S.A.B.S. AND B.S.S. SPECIFICATIONS.

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E	2024/09/04	Issue for tender	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DWG'S:

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500	COFFEE AREA K3-101
501	BREAKFAST KITCHEN K3-102
502	COLD KITCHEN K3-103
503	POT & UTENSIL STORE K3-104
504	DISHWASH K3-105
505	COOKING AREA K3-106
506	PREP AREA K3-107
507	DAY STORE K3-108
508	BULK DRY STORE K3-109
509	BULK MEAT PREP K3-110
510	COLD ROOM K3-111/112/113/114
511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

CLIENT
public works & infrastructure
Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

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ANIL PARSHOTAM	5349	

TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

MARKS KITCHEN

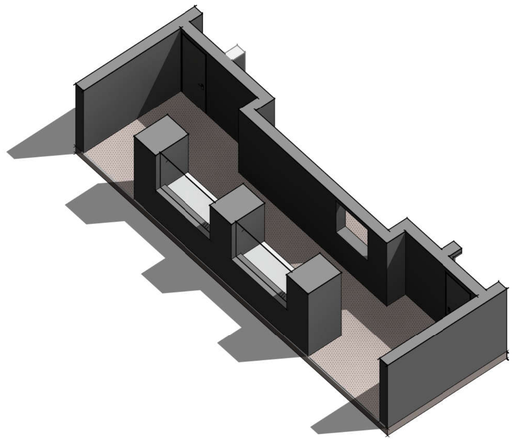
DRAWING
GROUND FLOOR PLAN

SCALE	DATE	DRAWN	CHECKED
1 : 50	06/09/2024	A.N	B.R

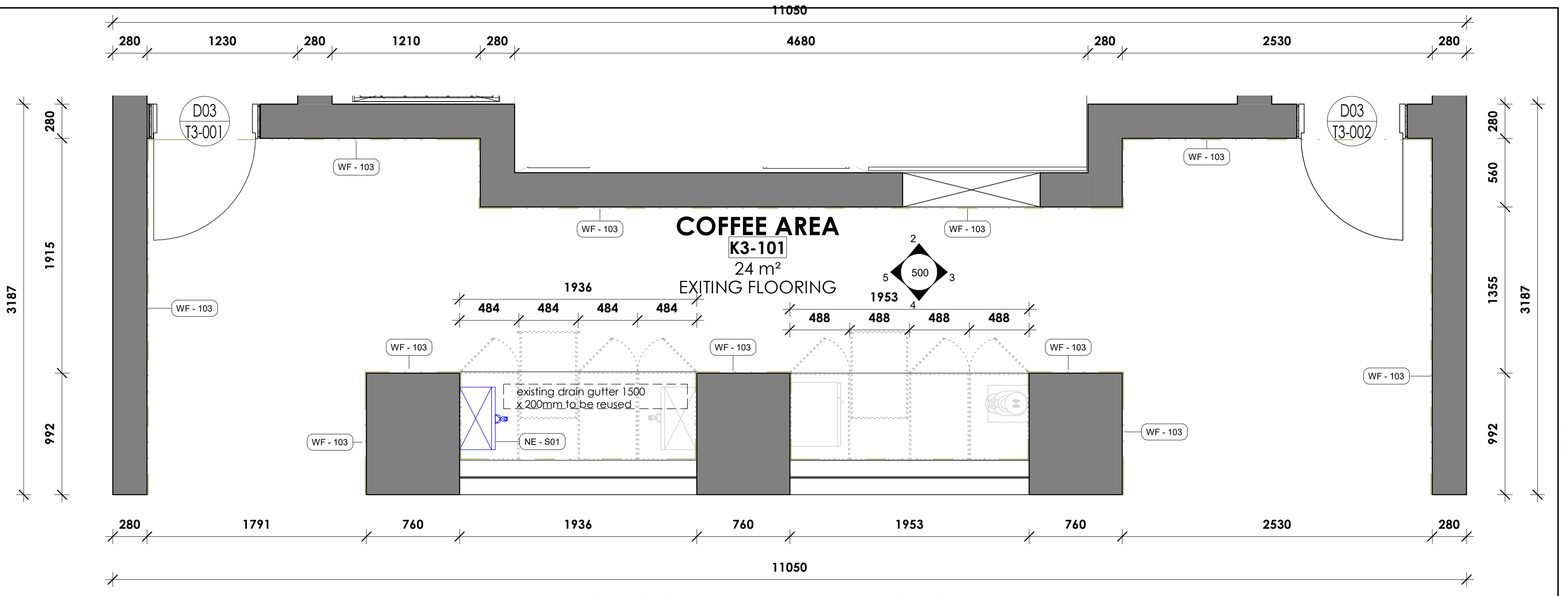
PROJECT NUMBER — PAGE SIZE **A 1**

DRAWING NUMBER — REVISION

WC015 - 103 — E



COFFEE AREA K3-101 OVERVIEW
SCALE



500 COFFEE AREA K3-101
SCALE 1 : 25

TYPICAL CUPBOARD/WORK TOPS:

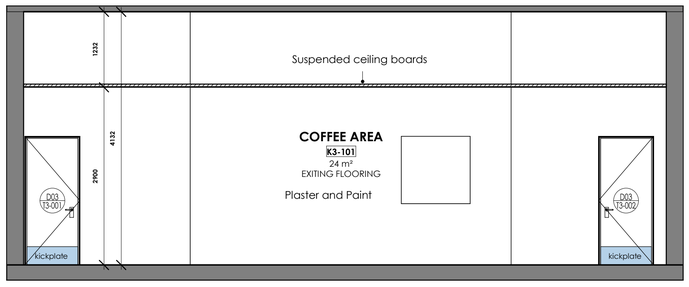
1. 20mm think Vicostone Engineered Stone joined inconspicuously using adhesive and bonded to substrate with an approved silicon, constructed in accordance with the drawings, all in accordance with the manufacturer's recommendations.
2. 16mm "Particle Board" frame ,door,shelves and division components.
3. White melamine finish to all internal surface and to visible sides of doors and drawers.

IRONMONGERY:

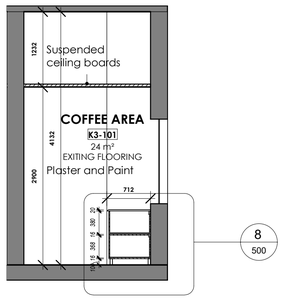
1. Steel "pot" hinges to later spec
2. Hillaldam drawer sliders no.4635
3. Raiel marketing code:ar113 ar001ssteel096 brushed Stainless steel handles to cupboard doors and drawer as shown.

All specification to be checked by Architect

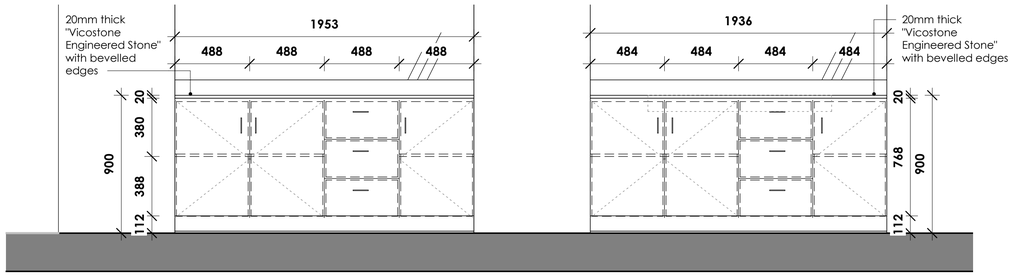
NOTE:
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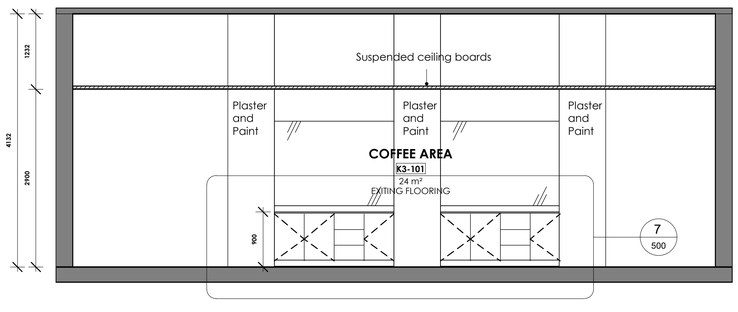
COFFEE AREA 01
SCALE 1 : 50



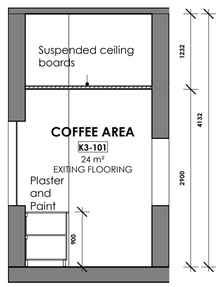
COFFEE AREA 02
SCALE 1 : 50



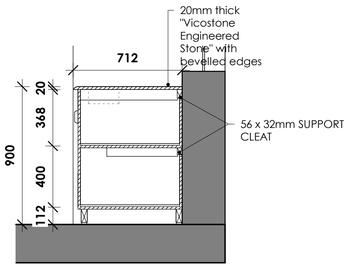
COFFEE AREA 03 - Callout 1
SCALE 1 : 20



COFFEE AREA 03
SCALE 1 : 50



COFFEE AREA 04
SCALE 1 : 50



COFFEE AREA 02 - Callout 1
SCALE 1 : 20

KEY PLAN LEGEND K3 -101

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 103	Wall Finish	Existing Brick walls with plaster and paint, to be repainted to match with existing colour,Prepare and apply 1 coat hicover primer and 2 coats Wallbrite low sheen acrylic coating to approved colour.
NE - S01	New Equipment	Wall-mounted hydrofoil with drip tray including stainless steel drain
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

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510	COLD ROOM K3-111/112/113/114
511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

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public works & infrastructure
Department:
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REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

ARCHITECTURE | DESIGN | INNOVATION
THE CREATIVE AXIS ARCHITECTS
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Tel: +27 21 424 7742 | Fax: +27 86 662 2199

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ANIL PARSHOTAM	5349	

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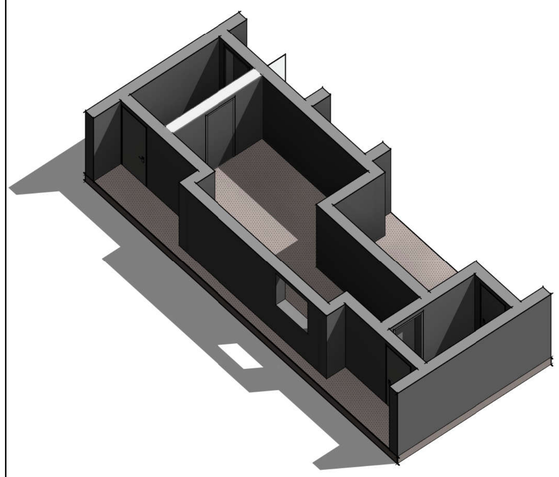
DRAWING
COFFEE AREA K3-101

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R

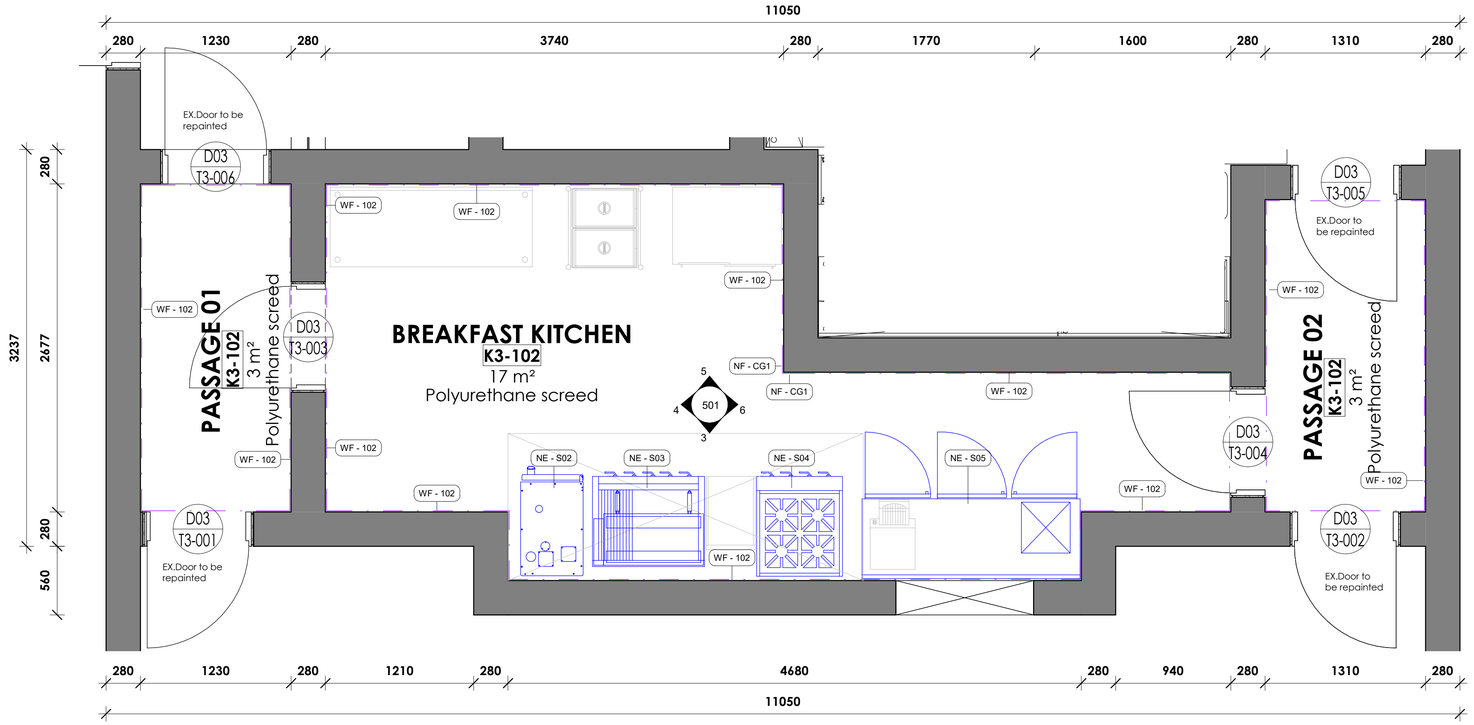
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WC015 - 500

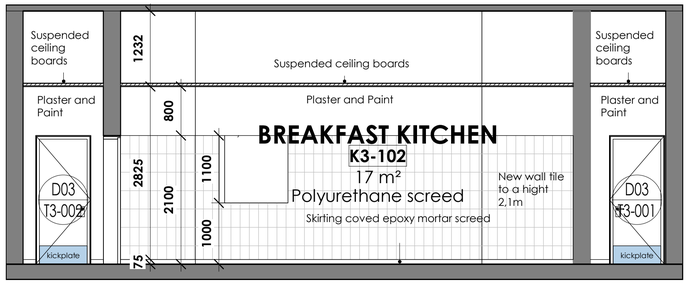
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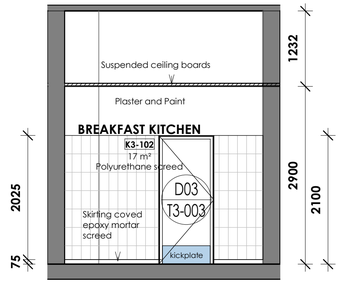
BREAKFAST KITCHEN K3-102 OVERVIEW
SCALE



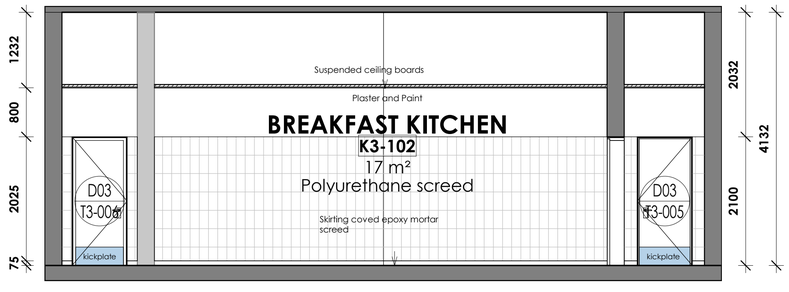
501 - BREAKFAST KITCHEN K3-102
SCALE 1 : 25



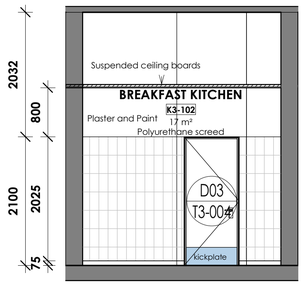
BREAKFAST KITCHEN 01
SCALE 1 : 50



BREAKFAST KITCHEN 02
SCALE 1 : 50



BREAKFAST KITCHEN 03
SCALE 1 : 50



BREAKFAST KITCHEN 04
SCALE 1 : 50

KEY PLAN LEGEND K3 -102

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NF- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas
NE - S02	New Equipment	Rational scc slimline compact self cooking centre on stand - c/w water filter
NE - S03	New Equipment	FTG-10 gas flat top grill 1/3 ribbed
NE - S04	New Equipment	4 burner boiling table
NE - S05	New Equipment	2.5 door u/bar fridge sbr
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

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ALL GLAZING IN COMPLIANCE WITH DSS SANS 10400-PART N LATEST EDITION

ALL DOOR AND WINDOW OPENINGS TO BE IN ACCORDANCE WITH THE DOOR AND WINDOW SCHEDULES

QUALITY OF ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH THE RELEVANT S.A.B.S. AND B.S.S. SPECIFICATIONS.

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A	2019/05/28	Issue for information	
B	2019/07/12	Issue via email	
C	2019/08/19	issue via email	
D	2021/08/18	Issue for Informatio	
E	2024/09/04	Issue for tender	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DWG'S:

DRAWING SCHEDULE

DRAWING NUMBER	DRAWING NAME
103	GROUND FLOOR PLAN
500	COFFEE AREA K3-101
501	BREAKFAST KITCHEN K3-102
502	COLD KITCHEN K3-103
503	POT & UTENSIL STORE K3-104
504	DISHWASH K3-105
505	COOKING AREA K3-106
506	PREP AREA K3-107
507	DAY STORE K3-108
508	BULK DRY STORE K3-109
509	BULK MEAT PREP K3-110
510	COLD ROOM K3-111/112/113/114
511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

CLIENT

public works & infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

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ANIL PARSHOTAM	5349	

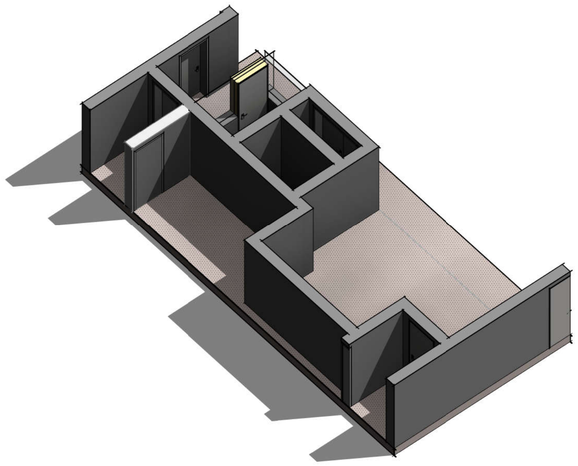
TENDER DRAWING

PROJECT
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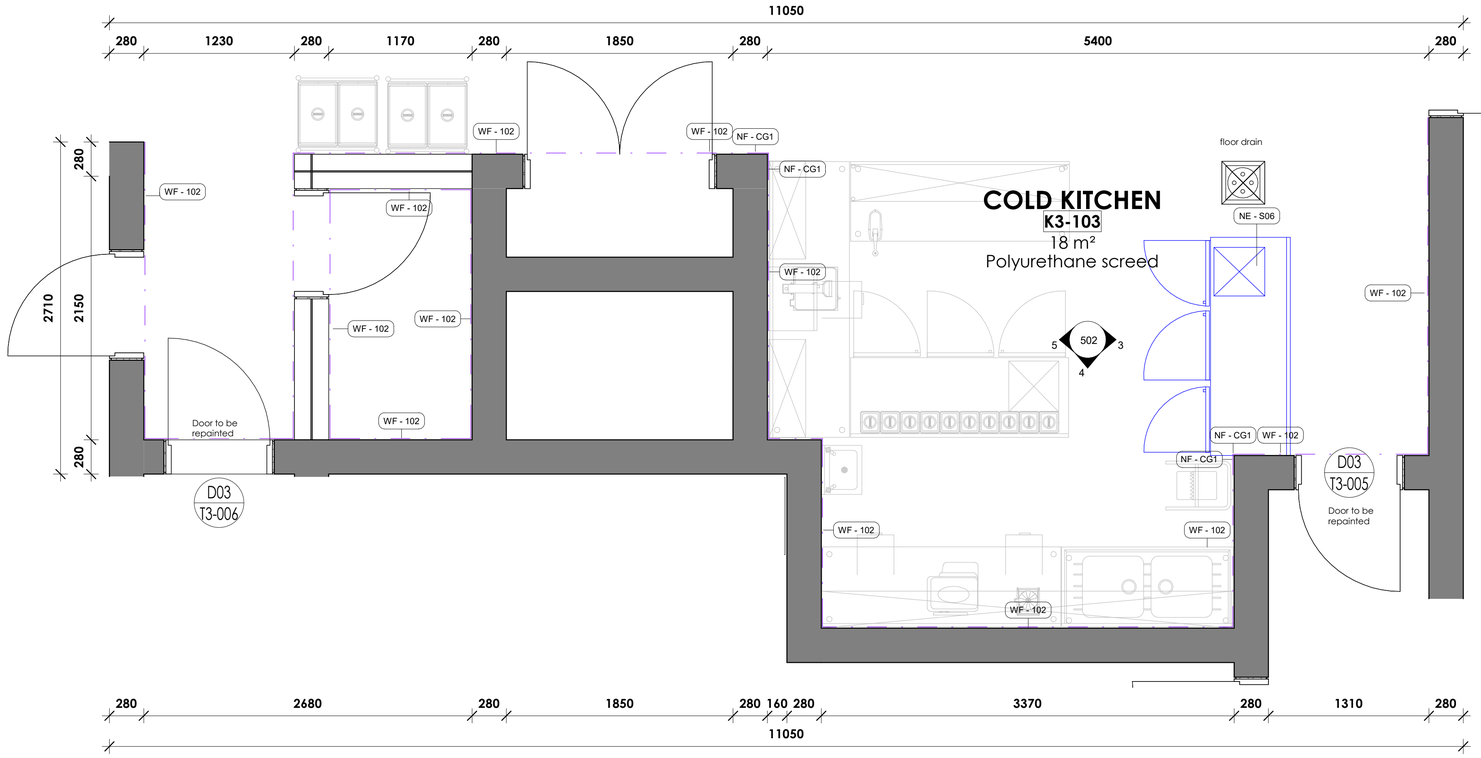
MARKS KITCHEN

DRAWING
BREAKFAST KITCHEN K3-102

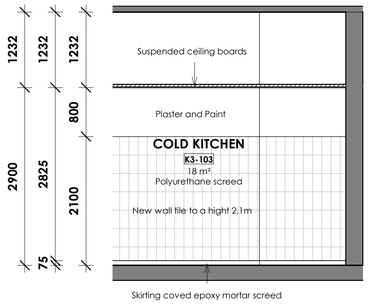
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WC015 - 501			E



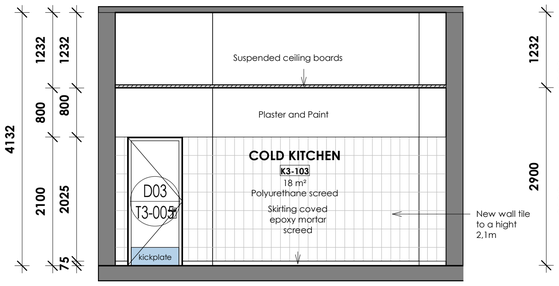
COLD KITCHEN K3-103 OVERVIEW
SCALE



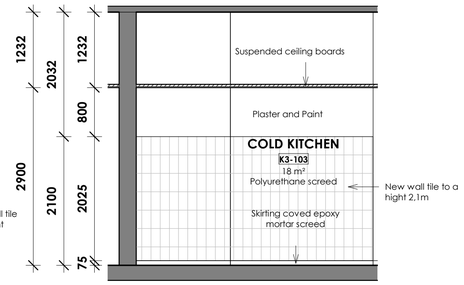
502 - COLD KITCHEN K3-103
SCALE 1 : 25



COLD KITCHEN 01
SCALE 1 : 50



COLD KITCHEN 02
SCALE 1 : 50



COLD KITCHEN 03
SCALE 1 : 50

KEY PLAN LEGEND K3 -103

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NF- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas
NE - S06	New Equipment	2,5 door u/bar fridge sbr
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0,85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3,5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct 53, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
- - - - - - -	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:
- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

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DRAWING SCHEDULE

DRAWING NUMBER	DRAWING NAME
103	GROUND FLOOR PLAN
500	COFFEE AREA K3-101
501	BREAKFAST KITCHEN K3-102
502	COLD KITCHEN K3-103
503	POT & UTENSIL STORE K3-104
504	DISHWASH K3-105
505	COOKING AREA K3-106
506	PREP AREA K3-107
507	DAY STORE K3-108
508	BULK DRY STORE K3-109
509	BULK MEAT PREP K3-110
510	COLD ROOM K3-111/112/113/114
511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

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REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

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ARCHITECT	SACAP No.	SIGNATURE
ANIL PARSHOTAM	5349	

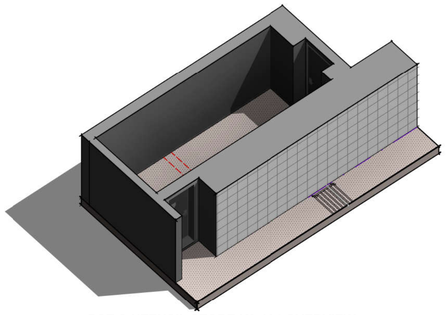
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PROJECT
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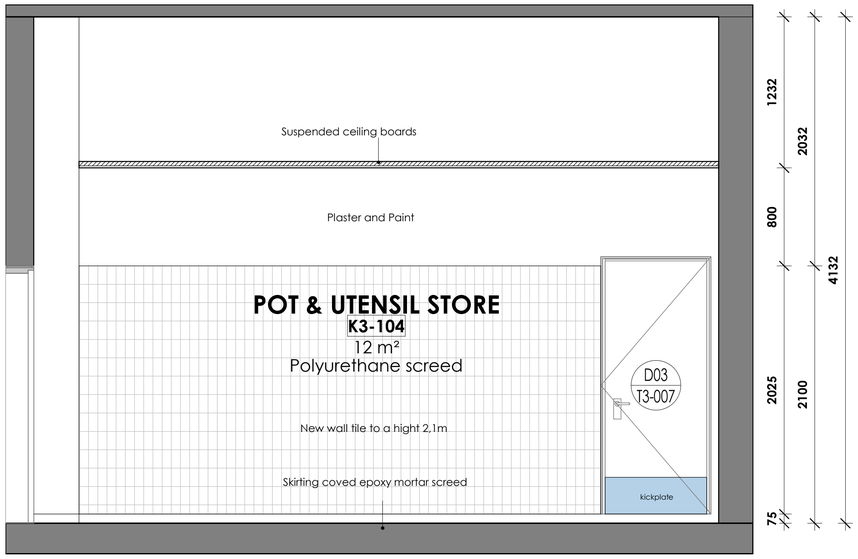
MARKS KITCHEN

DRAWING
COLD KITCHEN K3-103

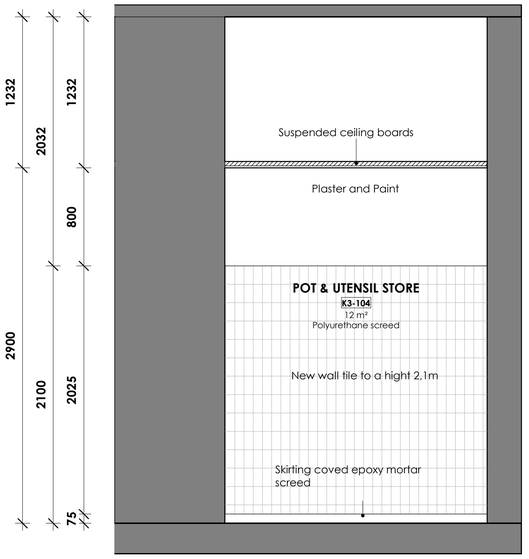
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PROJECT NUMBER			PAGE SIZE A 1
DRAWING NUMBER			REVISION
WC015 - 502			E



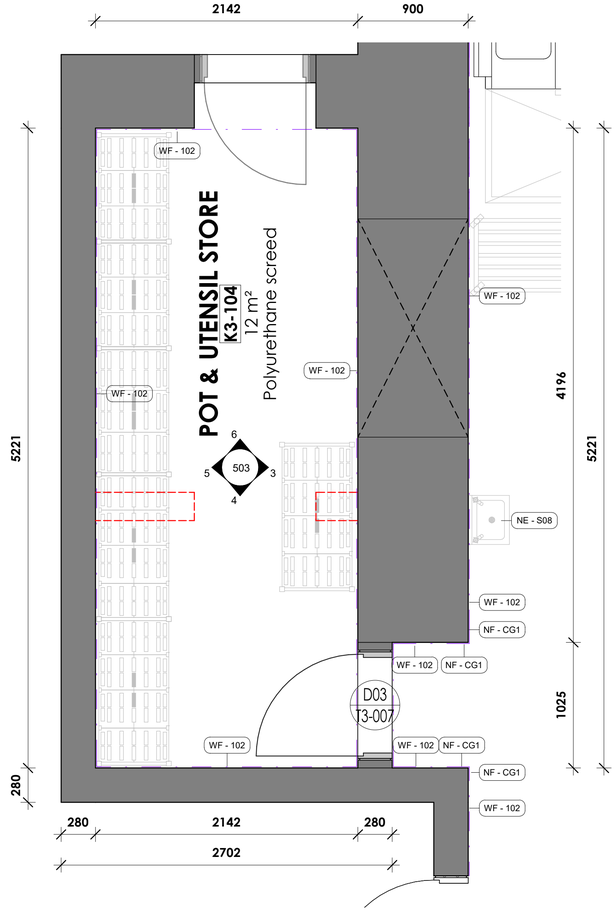
POT & UTENSIL STORE K3-104 OVERVIEW
SCALE



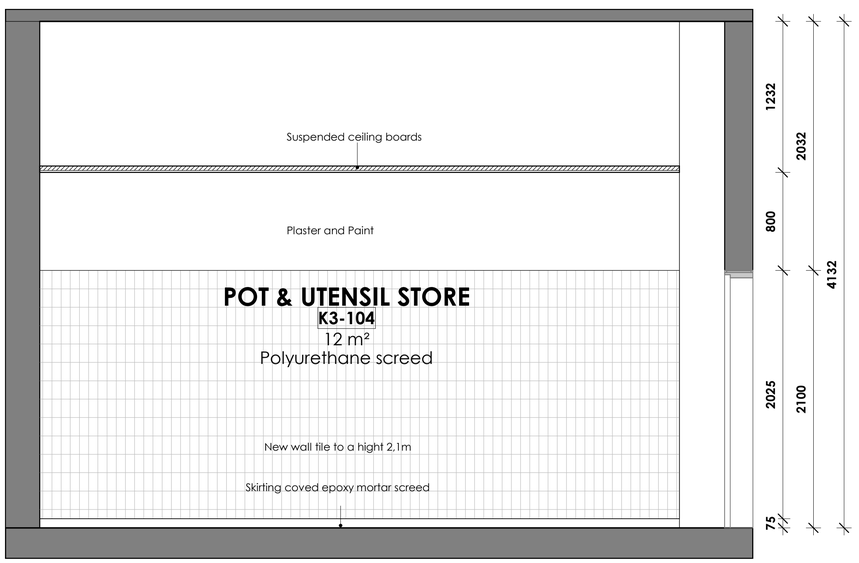
POT & UTENSIL STORE 01
SCALE 1 : 25



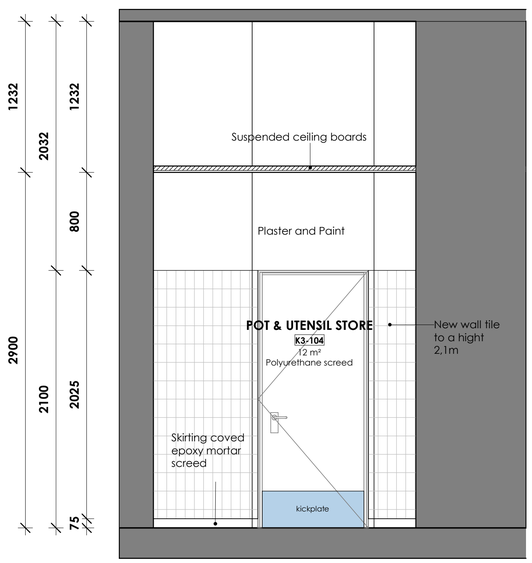
POT & UTENSIL STORE 02
SCALE 1 : 25



503 -POT & UTENSIL STORE K3-104
SCALE 1 : 25



POT & UTENSIL STORE 03
SCALE 1 : 25



POT & UTENSIL STORE 04
SCALE 1 : 25

KEY PLAN LEGEND K3 -104

NEW ALTERATIONS

KEY LEGEND	DESCRIPTION	SPECIFICATION
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NF- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas
NE - S08	New Equipment	S/S wash hand basin
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0,85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3,5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum 2150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

LEGEND

	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

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ANIL PARSHOTAM	5349	

TENDER DRAWING

PROJECT
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MARKS KITCHEN

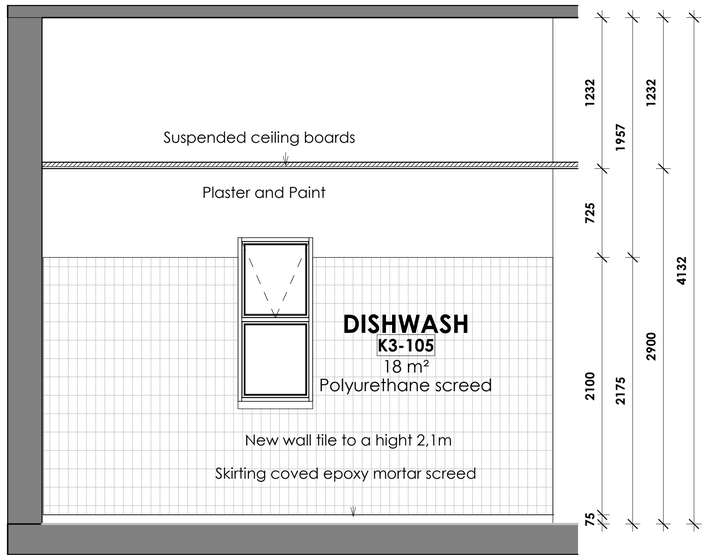
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POT & UTENSIL STORE K3-104

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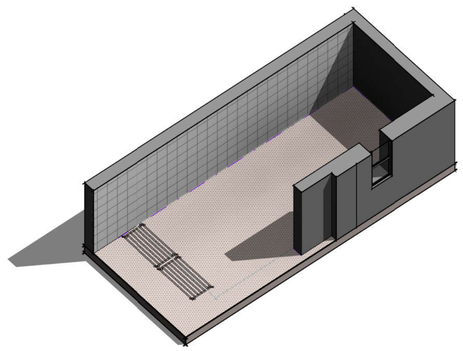
PROJECT NUMBER — PAGE SIZE A1

DRAWING NUMBER — REVISION

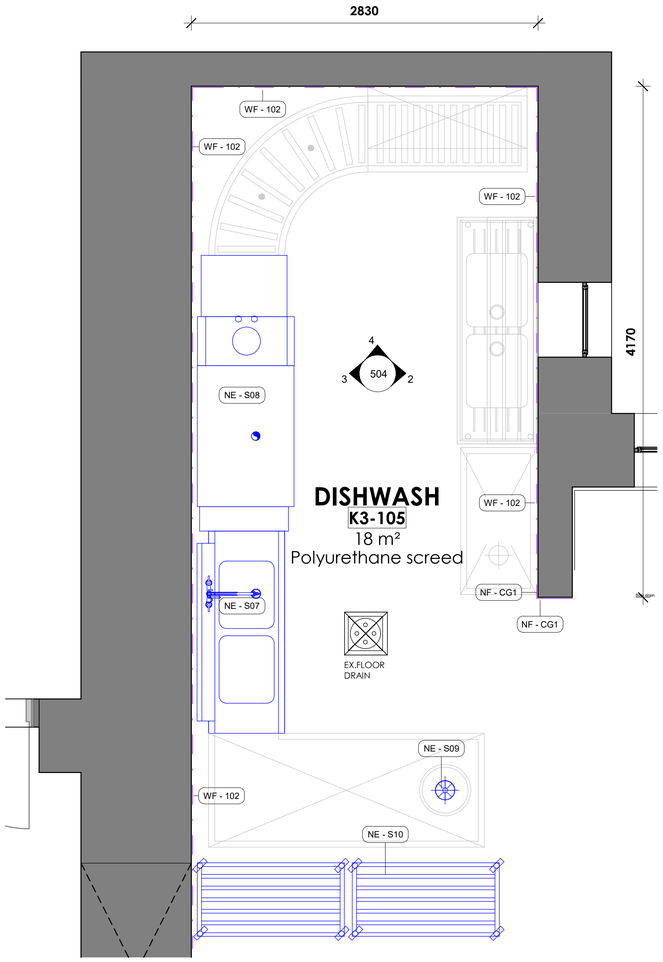
WC015 - 503 — E



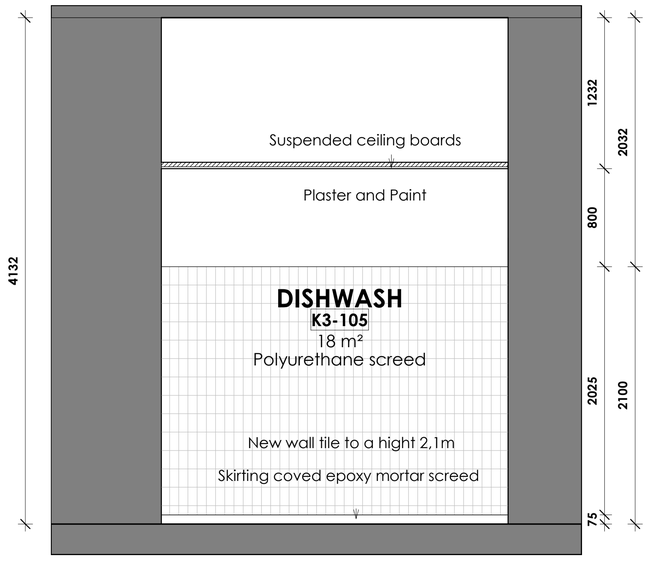
DISHWASH 01
SCALE 1 : 25



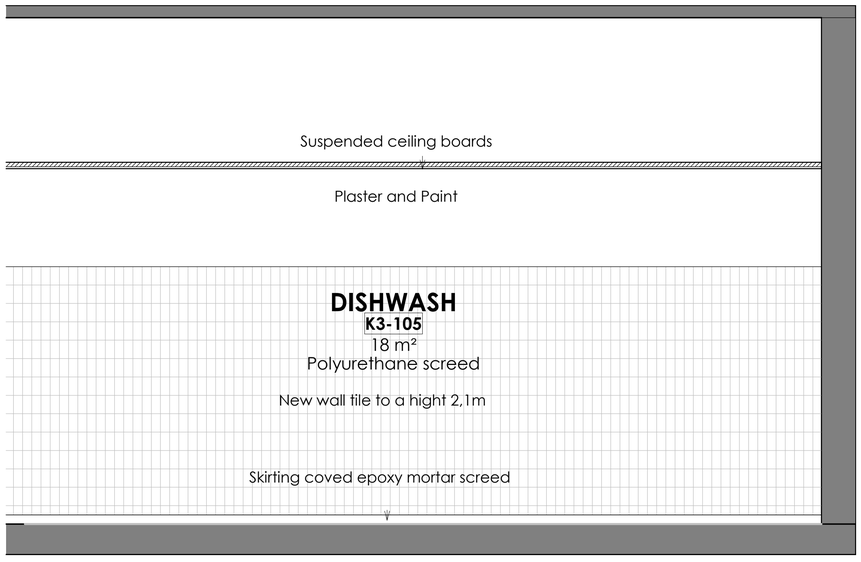
DISHWASH K3-105 OVERVIEW
SCALE



504 - DISHWASH K3-105
SCALE 1 : 25



DISHWASH 03
SCALE 1 : 25



DISHWASH 02
SCALE 1 : 25

KEY PLAN LEGEND K3 -105

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NF- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas
NE - S07	New Equipment	Left entry facing hood type dishwashing machine
NE - S08	New Equipment	Approved rack advancing dishwasher
NE - S09	New Equipment	Waste Disposal Unit
NE - S10	New Equipment	600-piece mobile crockery rack
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
– – – – – – –	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:
• CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
• STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

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ALL GLAZING IN COMPLIANCE WITH DSS SANS 10400-PART N LATEST EDITION

ALL DOOR AND WINDOW OPENINGS TO BE IN ACCORDANCE WITH THE DOOR AND WINDOW SCHEDULES

QUALITY OF ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH THE RELEVANT S.A.B.S. AND B.S.S. SPECIFICATIONS.

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A	2019/05/28	Issue for information	
B	2019/07/12	Issue via email	
C	2019/08/19	issue via email	
D	2021/08/18	Issue for Informatio	
E	2024/09/04	Issue for tender	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DWG'S:

DRAWING SCHEDULE

DRAWING NUMBER	DRAWING NAME
103	GROUND FLOOR PLAN
500	COFFEE AREA K3-101
501	BREAKFAST KITCHEN K3-102
502	COLD KITCHEN K3-103
503	POT & UTENSIL STORE K3-104
504	DISHWASH K3-105
505	COOKING AREA K3-106
506	PREP AREA K3-107
507	DAY STORE K3-108
508	BULK DRY STORE K3-109
509	BULK MEAT PREP K3-110
510	COLD ROOM K3-111/112/113/114
511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

CLIENT

public works & infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

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ANIL PARSHOTAM	5349	

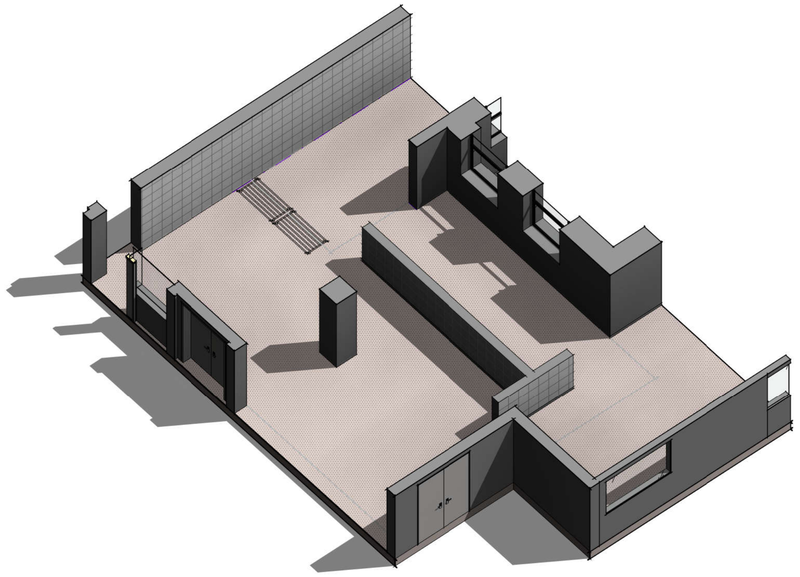
TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

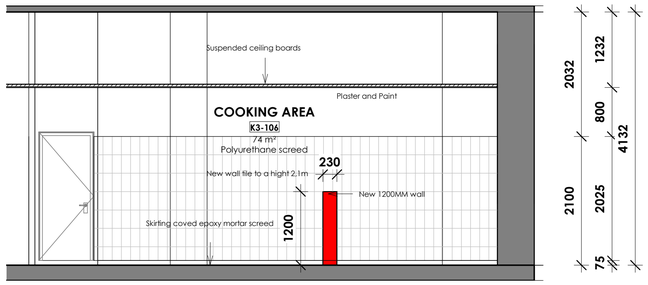
MARKS KITCHEN

DRAWING
DISHWASH K3-105

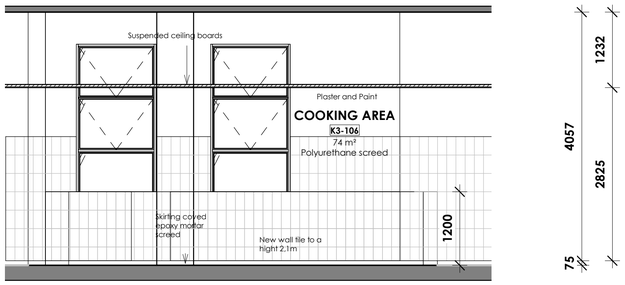
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As indicated	06/09/2024	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 504			E



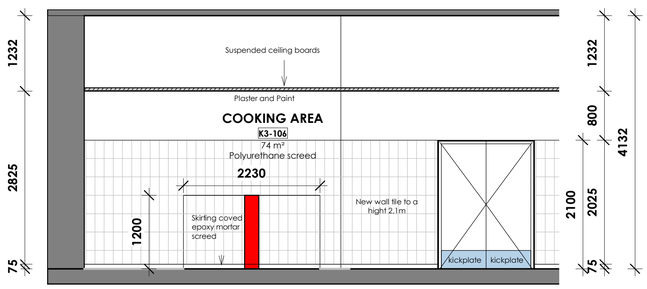
COOKING AREA K3-106 OVERVIEW
SCALE



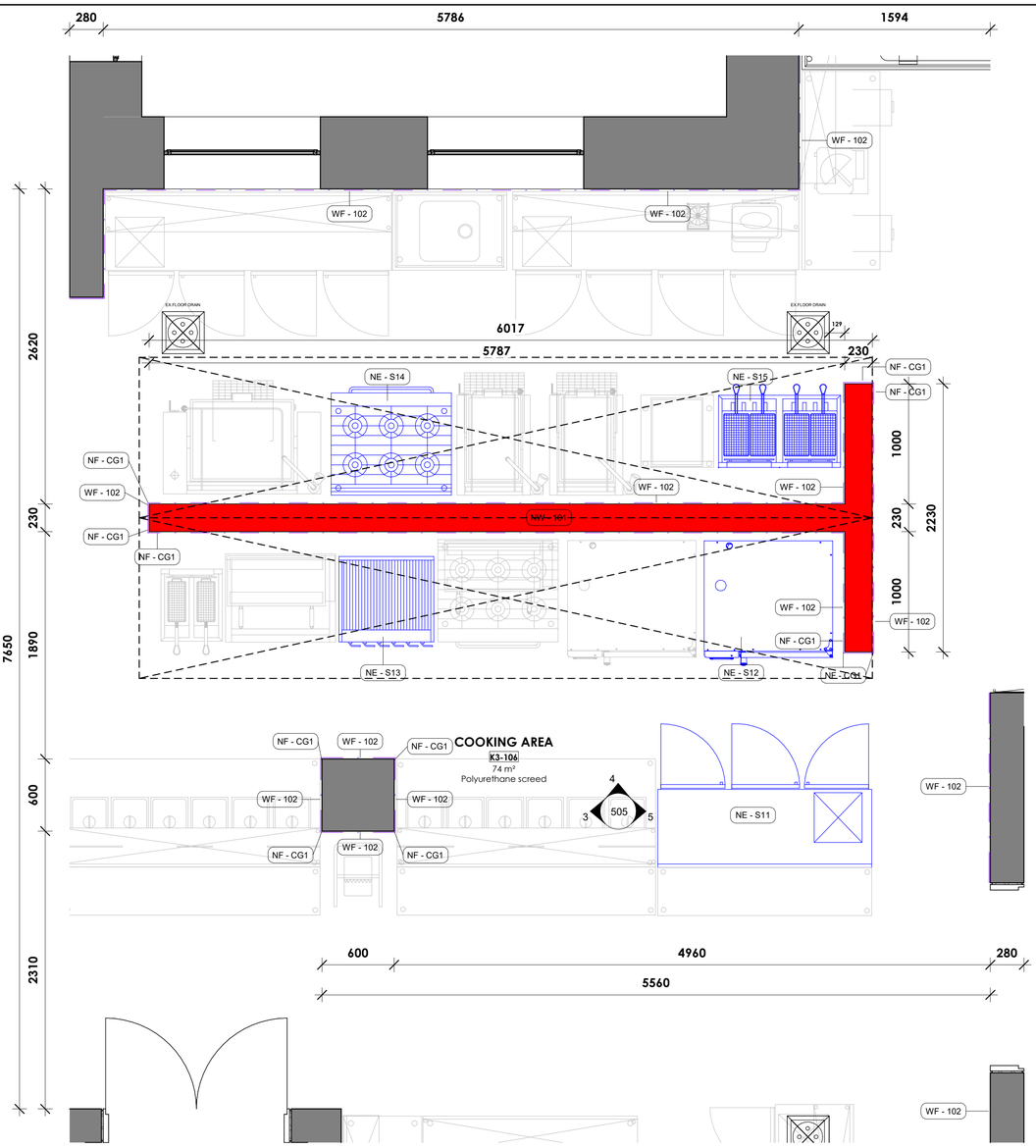
COOKING AREA 01
SCALE 1 : 50



COOKING AREA 02
SCALE 1 : 50



COOKING AREA 03
SCALE 1 : 50



505 - COOKING AREA K3-106
SCALE 1 : 25

KEY PLAN LEGEND K3 -106

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NF- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas
NW- 101	New wall	New 1200MM high wall from FFL
NE - S11	New Equipment	2.5 Glass Door Under fridge
NE - S12	New Equipment	12 pan combi steamer with water filler stacked 20 pan combi steamer with water filter
NE - S13	New Equipment	8 burner char-griller
NE - S14	New Equipment	4 burner gas range with oven
NE - S15	New Equipment	2 x 20 litre fryer
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

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103	GROUND FLOOR PLAN
500	COFFEE AREA K3-101
501	BREAKFAST KITCHEN K3-102
502	COLD KITCHEN K3-103
503	POT & UTENSIL STORE K3-104
504	DISHWASH K3-105
505	COOKING AREA K3-106
506	PREP AREA K3-107
507	DAY STORE K3-108
508	BULK DRY STORE K3-109
509	BULK MEAT PREP K3-110
510	COLD ROOM K3-111/112/113/114
511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

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Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

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Cape Town, 7530
Tel: +27 21 424 7742 | Fax: +27 86 662 2199

ARCHITECT	SACAP No.	SIGNATURE
ANIL PARSHOTAM	5349	

TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

MARKS KITCHEN

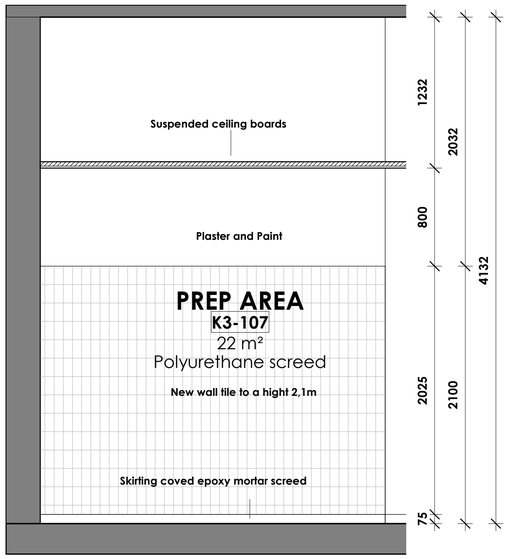
DRAWING
COOKING AREA K3-106

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R

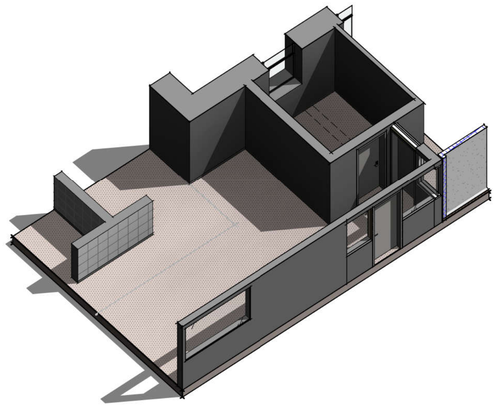
PROJECT NUMBER — PAGE SIZE **A 1**

DRAWING NUMBER — REVISION

WC015 - 505 — E



PREP AREA 01
SCALE 1 : 25

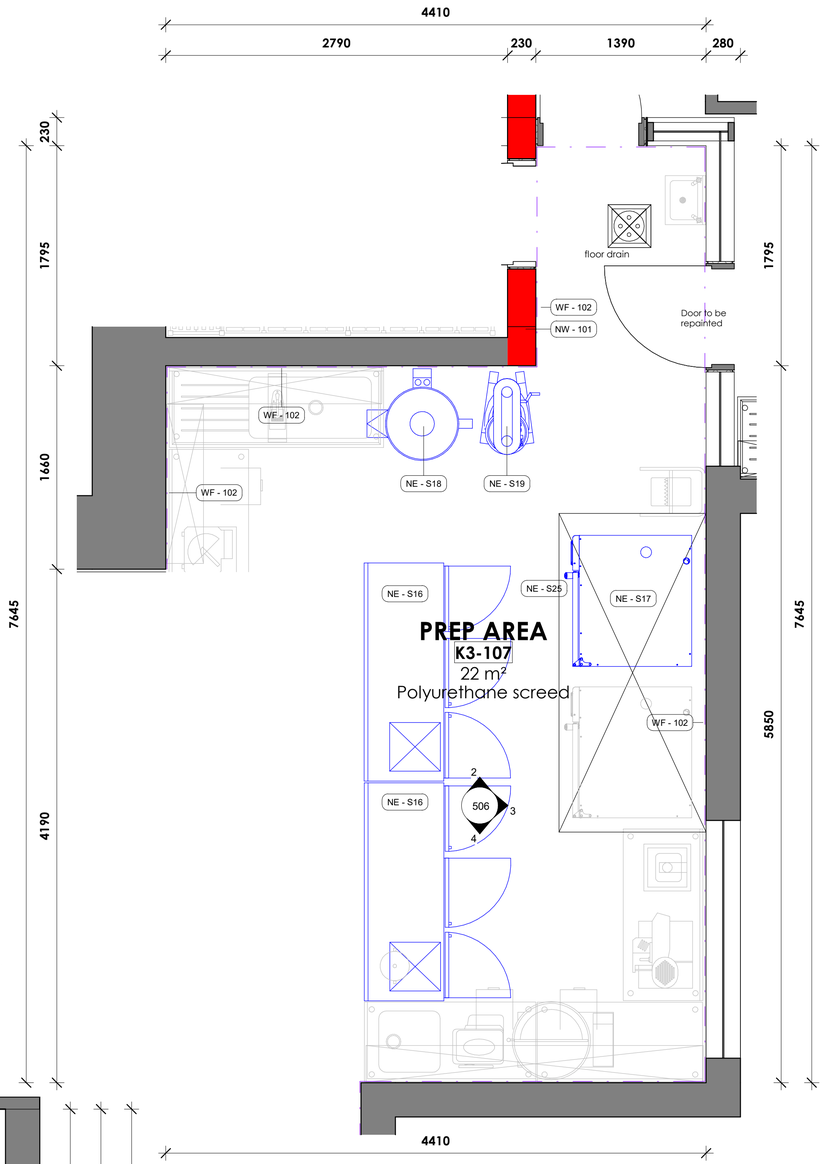


PREP AREA K3-107 OVERVIEW
SCALE

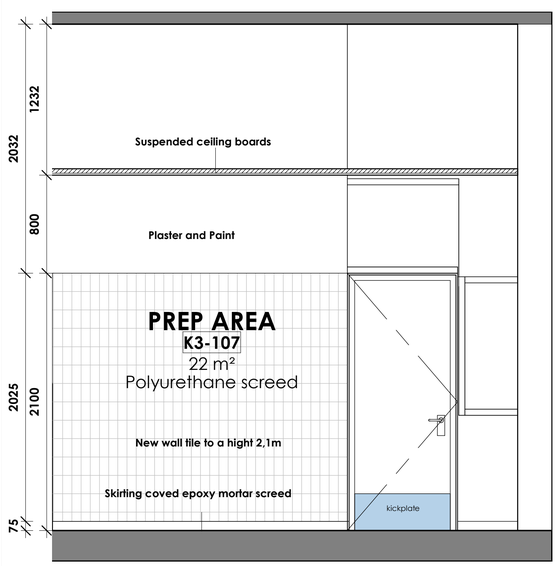
KEY PLAN LEGEND K3 -107

NEW ALTERATIONS

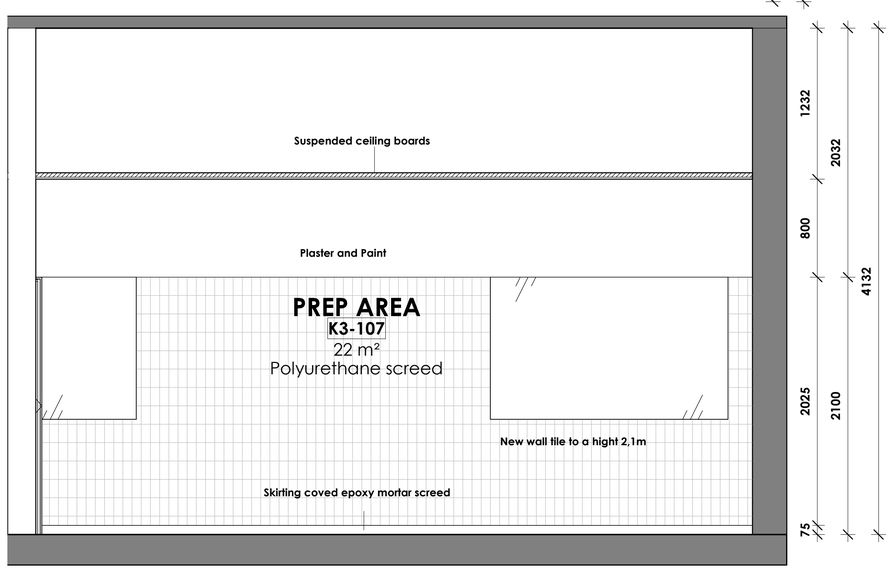
KEY LEGEND	DESCRIPTION	SPECIFICATION
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NF- CG1	Corner guards	Natural aluminium 1600x20x20mm arcansas
NW- 101	New wall	New high wall from FFL to soffit
NE - S16	New Equipment	2.5 Glass Door Under fridge
NE - S17	New Equipment	2 pan combi steamer with water filler stacked with 20 pan combi steamer with water filter
NE - S18	New Equipment	Potato Peeler
NE - S19	New Equipment	20 litre Planetary mixer
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum 2150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.



506 - PREP AREA K3-107
SCALE 1 : 25



PREP AREA 02
SCALE 1 : 25



PREP AREA 03
SCALE 1 : 25

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
- - - - - - -	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

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500	COFFEE AREA K3-101
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502	COLD KITCHEN K3-103
503	POT & UTENSIL STORE K3-104
504	DISHWASH K3-105
505	COOKING AREA K3-106
506	PREP AREA K3-107
507	DAY STORE K3-108
508	BULK DRY STORE K3-109
509	BULK MEAT PREP K3-110
510	COLD ROOM K3-111/112/113/114
511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

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TENDER DRAWING

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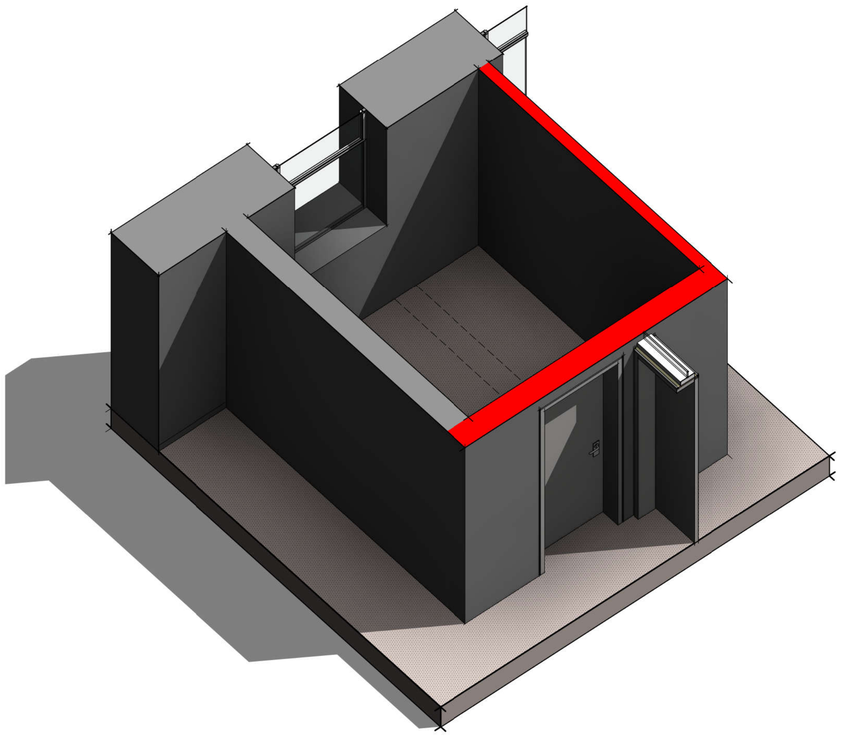
MARKS KITCHEN

DRAWING
PREP AREA K3-107

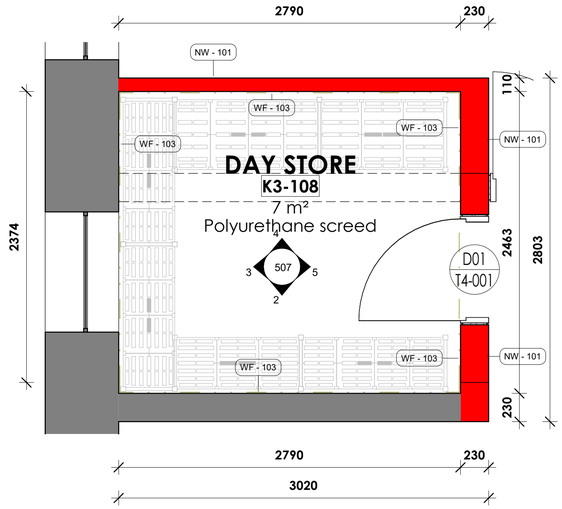
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As indicated	06/09/2024	A.N	B.R

PROJECT NUMBER — PAGE SIZE: A 1

DRAWING NUMBER: **WC015 - 506** — REVISION: E



DAY STORE K3-108 OVERVIEW
SCALE



507 - DAY STORE K3-108
SCALE 1 : 25

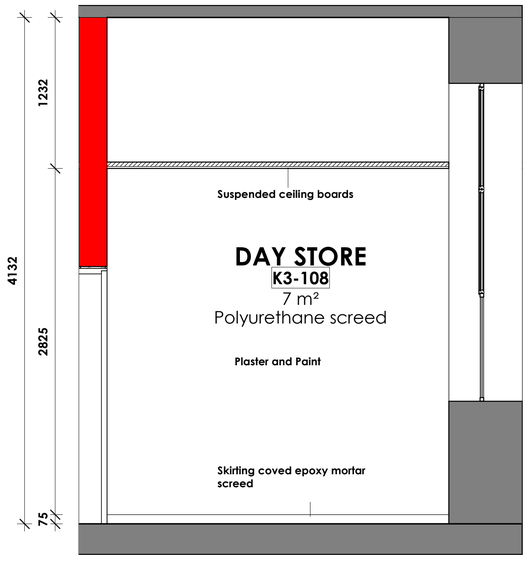
KEY PLAN LEGEND K3 -108

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 103	Wall Finish	Existing Brick walls with plaster and paint, to be repainted to match with existing colour,Prepare and apply 1 coat hicover primer and 2 coats Wallbrite low sheen acrylic coating to approved colour.
NW- 101	New wall	New high wall from FFL to soffit
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

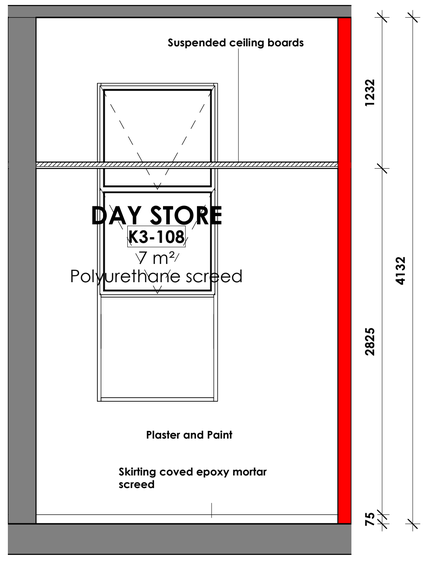
LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

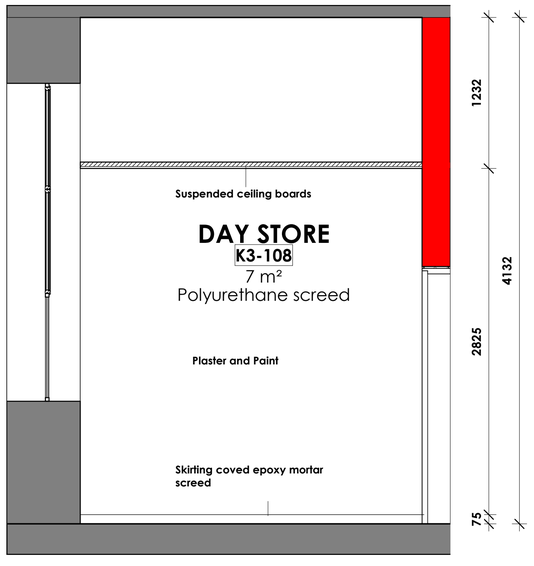
GENERAL NOTES:
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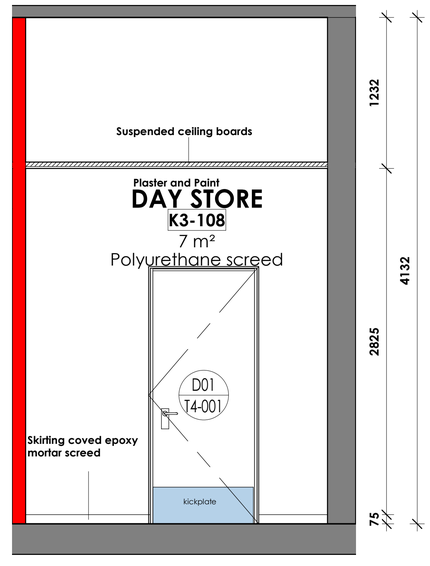
DAY STORE 01
SCALE 1 : 25



DAY STORE 02
SCALE 1 : 25



DAY STORE 03
SCALE 1 : 25



DAY STORE 04
SCALE 1 : 25

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E	2024/09/04	Issue for tender	

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DRAWING SCHEDULE

DRAWING NUMBER	DRAWING NAME
103	GROUND FLOOR PLAN
500	COFFEE AREA K3-101
501	BREAKFAST KITCHEN K3-102
502	COLD KITCHEN K3-103
503	POT & UTENSIL STORE K3-104
504	DISHWASH K3-105
505	COOKING AREA K3-106
506	PREP AREA K3-107
507	DAY STORE K3-108
508	BULK DRY STORE K3-109
509	BULK MEAT PREP K3-110
510	COLD ROOM K3-111/112/113/114
511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

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public works & infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

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ANIL PARSHOTAM	5349	

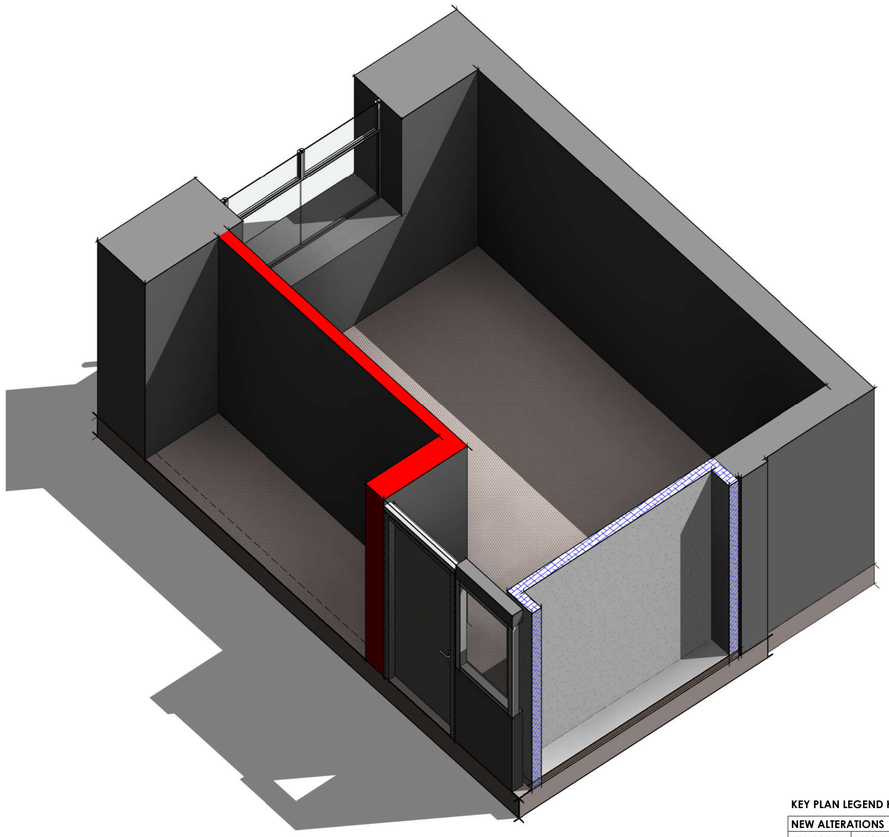
TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

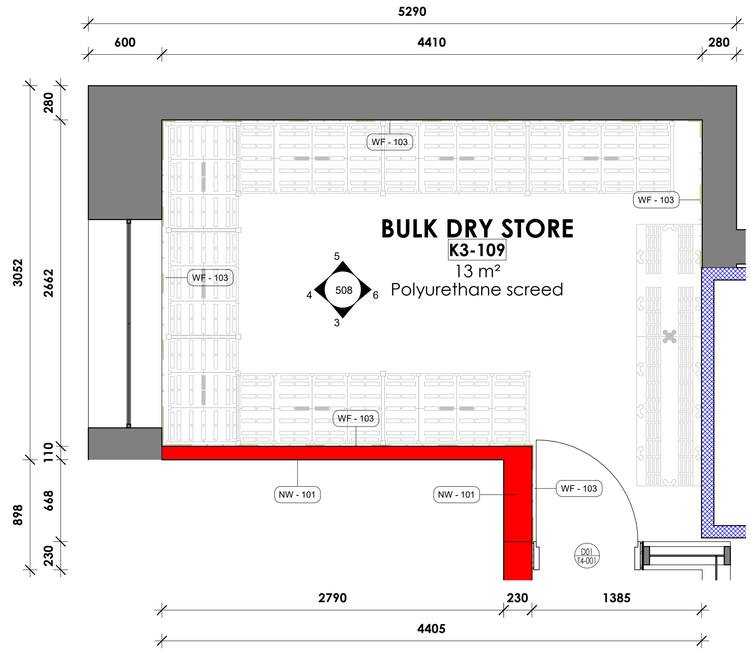
MARKS KITCHEN

DRAWING
DAY STORE K3-108

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 507			E



BULK DRY STORE K3-109 OVERVIEW
SCALE



508- BULK DRY STORE K3-109
SCALE 1 : 25

KEY PLAN LEGEND K3 -109

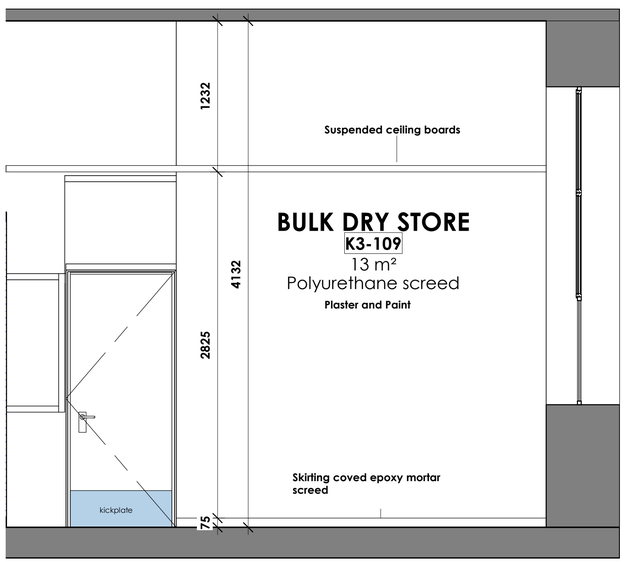
NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 103	Wall Finish	Existing Brick walls with plaster and paint, to be repainted to match with existing colour,Prepare and apply 1 coat hicover primer and 2 coats Wallbrite low sheen acrylic coating to approved colour.
NW- 101	New wall	New high wall from FFL to soffit
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum 2150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
- - - - - - -	DEMOLISHED

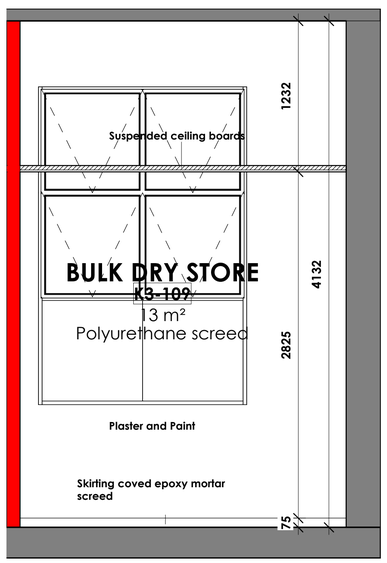
LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

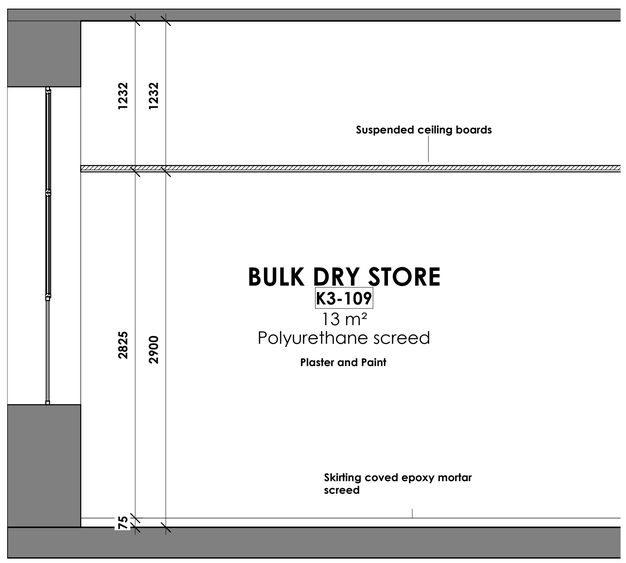
- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.



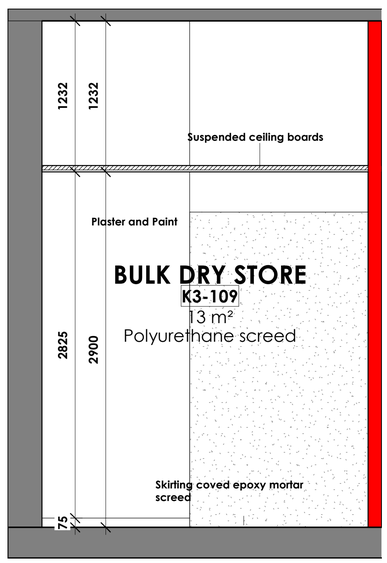
BULK DRY STORE 01
SCALE 1 : 25



BULK DRY STORE 02
SCALE 1 : 25



BULK DRY STORE 03
SCALE 1 : 25



BULK DRY STORE 04
SCALE 1 : 25

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504	DISHWASH K3-105
505	COOKING AREA K3-106
506	PREP AREA K3-107
507	DAY STORE K3-108
508	BULK DRY STORE K3-109
509	BULK MEAT PREP K3-110
510	COLD ROOM K3-111/112/113/114
511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

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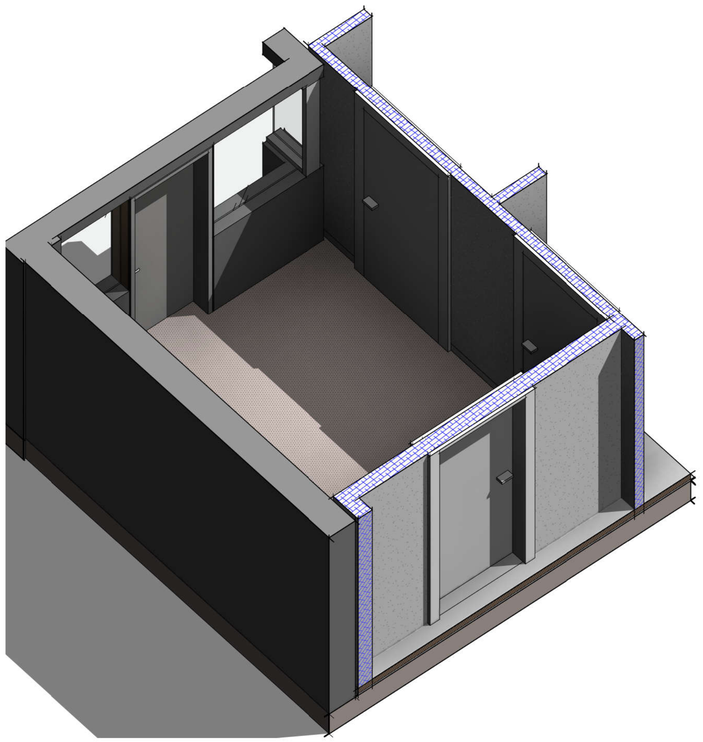
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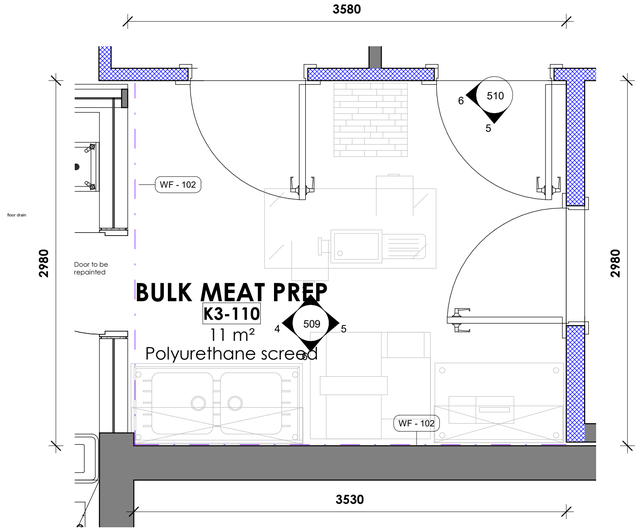
MARKS KITCHEN

DRAWING
BULK DRY STORE K3-109

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 508			E



BULK MEAT PREP K3-110 OVERVIEW
SCALE



509 - BULK MEAT PREP K3-110
SCALE 1 : 25

KEY PLAN LEGEND K3 -110

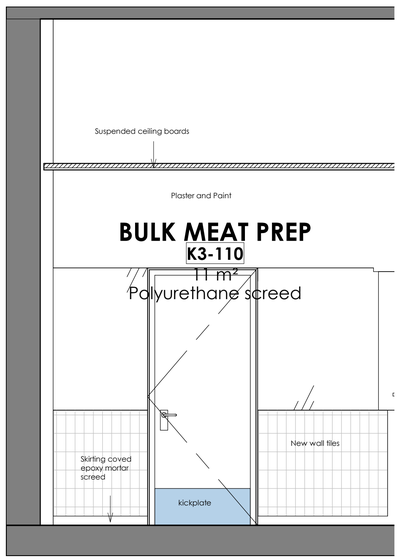
NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
WF - 102	Wall Finish	100mm x 200mm Ceramic wall tiles with epoxy grout to 2M underside of ceiling - colour as per approved sample
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

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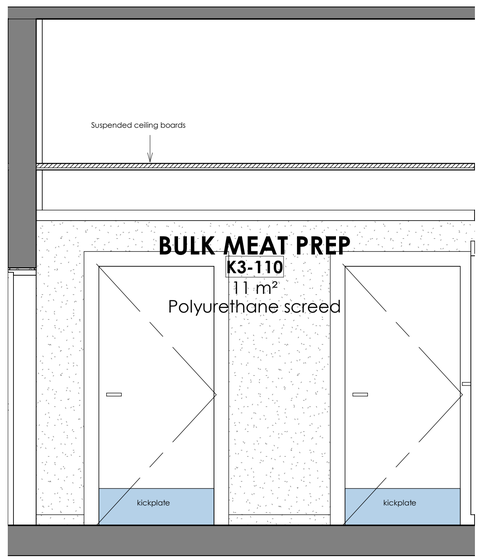
LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

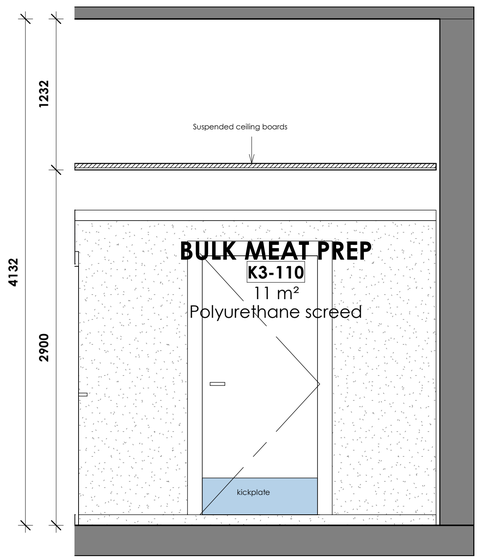
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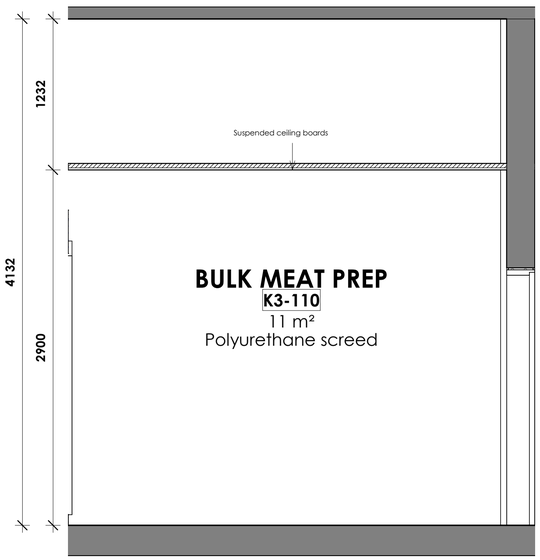
BULK MEAT PREP 01
SCALE 1 : 25



BULK MEAT PREP 02
SCALE 1 : 25



BULK MEAT PREP 03
SCALE 1 : 25



BULK MEAT PREP 04
SCALE 1 : 25

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511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

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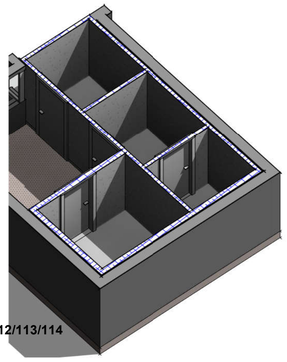
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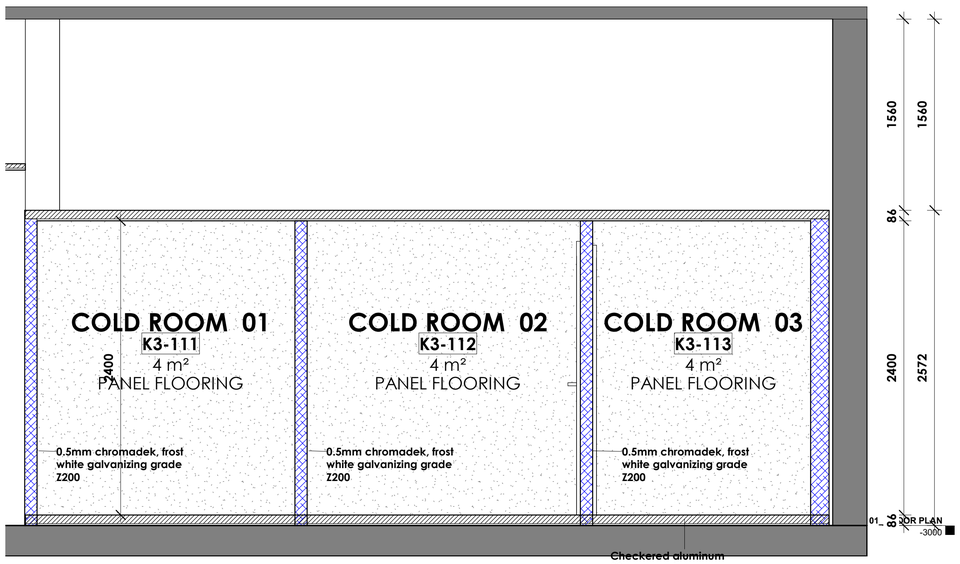
MARKS KITCHEN

DRAWING
BULK MEAT PREP K3-110

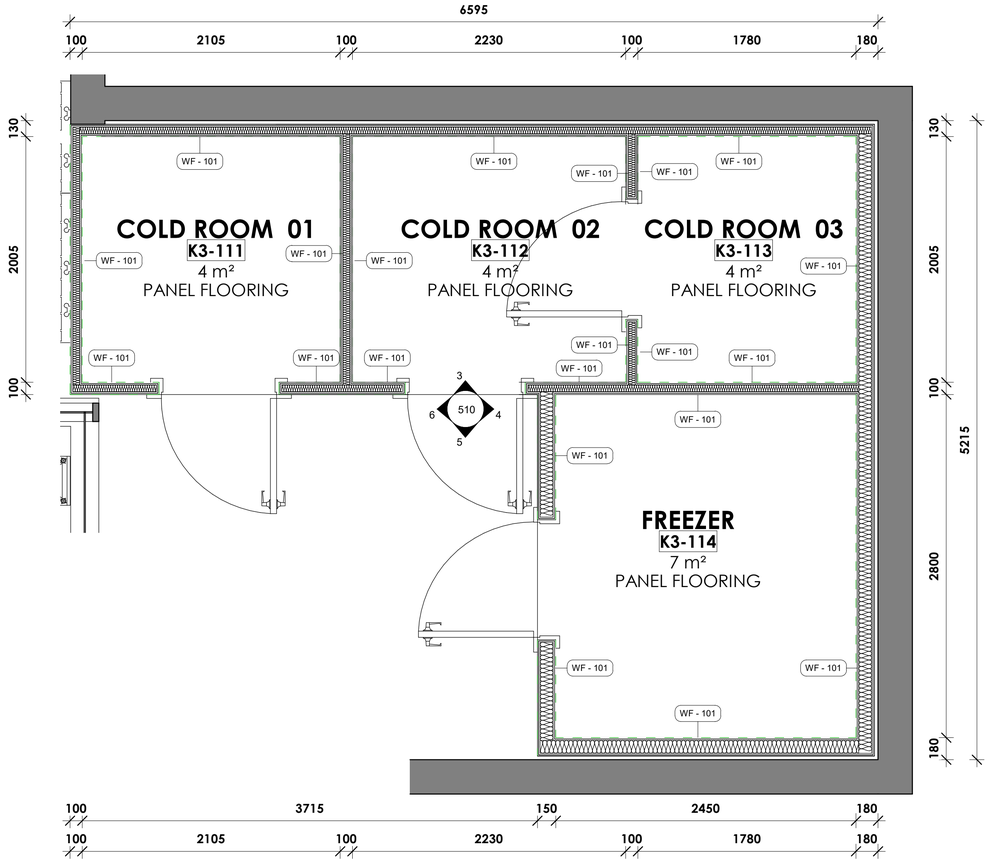
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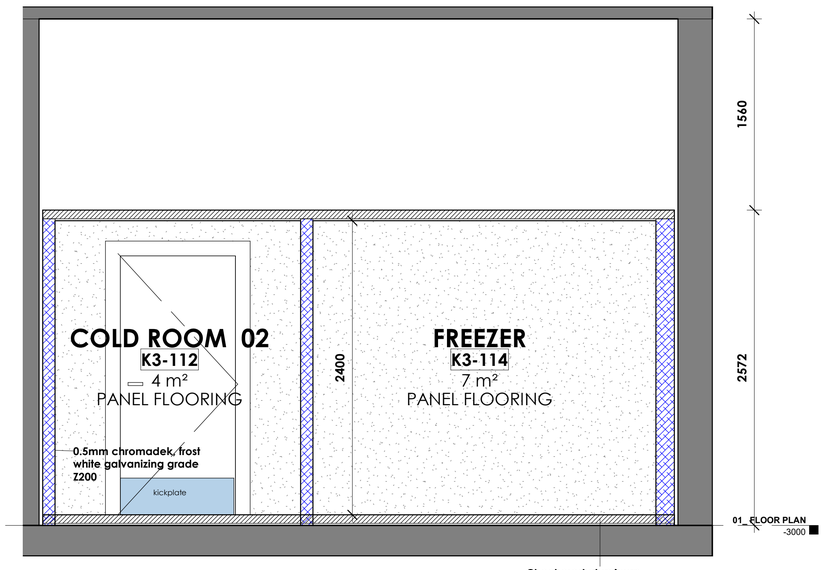
COLD ROOM K3-111/112/113/114
SCALE



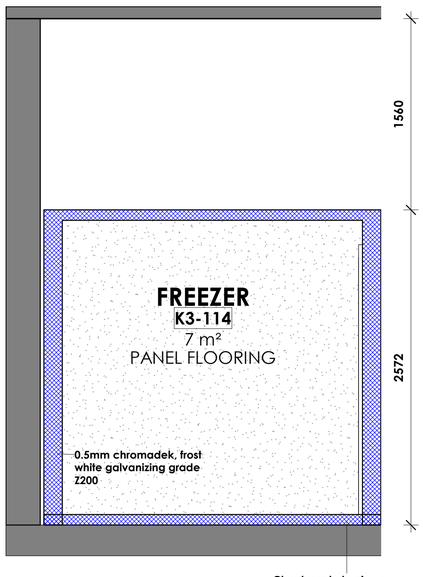
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SCALE 1 : 25



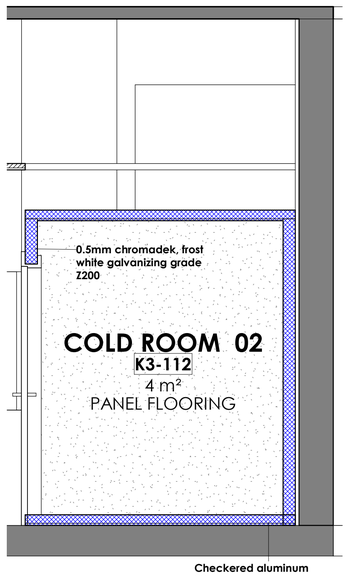
510- COLD ROOM K3-111/112/113/114
SCALE 1 : 25



COLD ROOM K3-111/112/113/114_02
SCALE 1 : 25



COLD ROOM K3-111/112/113/114_03
SCALE 1 : 25



COLD ROOM K3-111/112/113/114_04
SCALE 1 : 25

KEY PLAN LEGEND K3 -111/112/113/114

NEW ALTERATIONS		
KEY LEGEND	DESCRIPTION	SPECIFICATION
WF - 101	Wall Finish	0.5mm chromadek, frost white galvanizing grade Z200
C0 - 001	Cold room door	As per specilist spec

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
– – – – – – –	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:
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No.	DATE	AMENDMENT	D.P.W
A	2019/05/28	Issue for information	
B	2019/07/12	Issue via email	
C	2019/08/19	issue via email	
D	2021/08/18	Issue for informatio	
E	2024/09/04	Issue for tender	

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING DWG'S:

DRAWING SCHEDULE

DRAWING NUMBER	DRAWING NAME
103	GROUND FLOOR PLAN
500	COFFEE AREA K3-101
501	BREAKFAST KITCHEN K3-102
502	COLD KITCHEN K3-103
503	POT & UTENSIL STORE K3-104
504	DISHWASH K3-105
505	COOKING AREA K3-106
506	PREP AREA K3-107
507	DAY STORE K3-108
508	BULK DRY STORE K3-109
509	BULK MEAT PREP K3-110
510	COLD ROOM K3-111/112/113/114
511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

CLIENT

public works & infrastructure
Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

APPROVED	SIGNATURE	DATE

ARCHITECTURE | DESIGN | INNOVATION
THE CREATIVE AXIS ARCHITECTS
31 Allen Dr, Loevenstein
Cape Town, 7530
Tel: +27 21 424 7742 | Fax: +27 86 662 2199

ARCHITECT	SACAP No.	SIGNATURE
ANIL PARSHOTAM	5349	

TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

MARKS KITCHEN

DRAWING
COLD ROOM K3-111/112/113/114

SCALE	DATE	DRAWN	CHECKED
As indicated	06/09/2024	A.N	B.R

PROJECT NUMBER — PAGE SIZE A1

DRAWING NUMBER — REVISION

WC015 - 510 — E



CEILING PLANS
SCALE 1 : 50

NOTES:

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GENERAL NOTES:

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FIGURED DIMENSIONS TO BE USED AT ALL TIMES.

CONTRACTOR IS RESPONSIBLE FOR CORRECT SETTING OUT OF THE BUILDING. ALL EXTERNAL AND INTERNAL WALLS WITH PARTICULAR REFERENCE TO BUILDINGLINES, BOUNDARIES, ETC..

CONTRACTOR TO VERIFY ALL LEVELS, HEIGHTS AND DIMENSIONS ON SITE AND TO CHECK SAME AGAINST THE DRAWING BEFORE PUTTING ANY WORKIN HAND.

ALL CONTRACTORS TO CHECK DETAILS SHOWN ON THIS DRAWINGS FOR COMPLIANCE WITH STANDARDS OF GOOD BUILDING PRACTICE WITH PARTICULAR REFERENCE TO SPECIAL REQUIREMENTS NECESSITATED BY LOCAL AND OR ON SITE CONDITIONS AND REPORT ANY COMMENT TO THE ARCHITECT.

RC STRUCTURE TO STRUCTURAL ENGINEERS DETAIL AND SPECIFICATION

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CONTRACTOR TO BUILD IN BRICK FORCE EVERY 5TH COURSE IN BRICK WALLS AND EVERY 2ND COURSE ABOVE WINDOWS, DOORS AND ALL OTHER OPENINGS.

ALL GLAZING IN COMPLIANCE WITH DSS SANS 10400-PART N LATEST EDITION

ALL DOOR AND WINDOW OPENINGS TO BE IN ACCORDANCE WITH THE DOOR AND WINDOW SCHEDULES

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510	COLD ROOM K3-111/112/113/114
511	GROUND FLOOR CEILING
700	DOOR & WINDOW SCHEDULE

KEY PLAN LEGEND

NEW ALTERATIONS		
KEY LEGEND	**DESCRIPTION**	**SPECIFICATION**
NC - 100	New suspended Ceiling	Sinfonia Humancare, or equal and approved biologically absorbable mineral wool antibacterial ceiling panels with a minimum Noise Reduction Coefficient of 0.85, minimum CAC value of 30dB, minimum Fire classification of A2-s1, d0 and minimum weight of 3.5 kg/m², size 1200 x 600x 15mm Square-edge and white painted finish, containing effective germicidal properties, laid on fire rated OWAconstruct S3, or equal and approved exposed demountable T24 Butt-cut suspension system, comprising galvanised main tees and cross tees with minimum Z150 coating and main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.

LEGEND	
	NEW BRICK WALLS FINISH AS PER LAYOUT
	NEW COLDROOM BY SPECIALIST
	EXISTING WALL
– – – – – – –	DEMOLISHED

LEGEND - NEW WORK AND DEM WORK
SCALE 1 : 50

GENERAL NOTES:

- CONTRACTOR TO CHECK ONSITE LOAD-BEARING WALL BEFORE PROCEEDING WITH THE DEMOLITION WORK.
- STRUCTURAL ENGINEER TO ADVICE ON THE DEMOLITION.

CLIENT

public works & infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

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ANIL PARSHOTAM	5349	

TENDER DRAWING

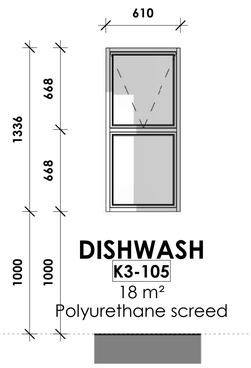
PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

MARKS KITCHEN

DRAWING
GROUND FLOOR CEILING

SCALE	DATE	DRAWN	CHECKED
1 : 50	09/06/24	A.N	B.R
PROJECT NUMBER			PAGE SIZE A1
DRAWING NUMBER			REVISION
WC015 - 511			E

WINDOW SCHEDULE



W01-DISHWASH
SCALE 1 : 25

QUANTITY:1

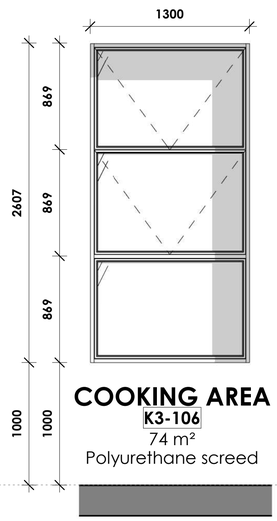
DESCRIPTION:
Wispeco Top-hung Casement window - 687mm Wide X 1337mm High with 6.38mm Clear Laminated Safety Glass & Standard Ironmongery

GLASS:
Single Glazed Glass:
6.38mm Clear Laminated Safety Glass (Throughout)
Installed as specified in the tender documents with thicknesses in accordance with SANS 10400 Part N & SANS 10137.

IRONMONGERY:
New Casement Windows come fitted with standard window ironmongery applicable to the system, inclusive of handles, top hung open out stays.

SURFACE FINISH:
ANP1052 White Powder Coating

WIND LOAD :
1500 Pascal's (1.5Kpa)



W02-COOKING AREA
SCALE 1 : 25

QUANTITY:2

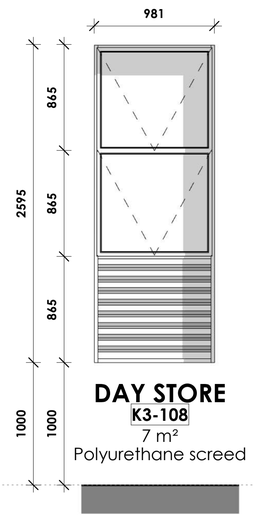
DESCRIPTION:
Wispeco Top-hung Casement window - 1300mm Wide X 2606mm High with 6.38mm Clear Laminated Safety Glass & Standard Ironmongery

GLASS:
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SURFACE FINISH:
ANP1052 White Powder Coating

WIND LOAD :
1500 Pascal's (1.5Kpa)



W03-DAY STORE
SCALE 1 : 25

QUANTITY:1

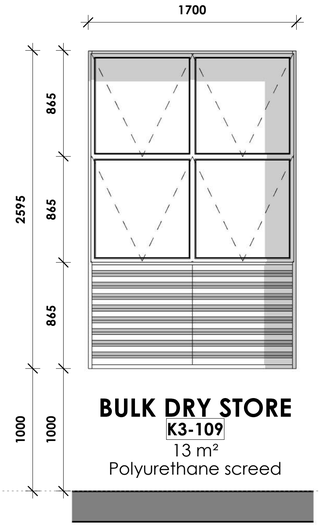
DESCRIPTION:
Wispeco Top-hung Casement window - 981mm Wide X 2596mm High with 6.38mm Clear Laminated Safety Glass & Standard Ironmongery with Louvre Insert into Bottom Panel

GLASS:
Single Glazed Glass:
6.38mm Clear Laminated Safety Glass (Throughout)
Installed as specified in the tender documents with thicknesses in accordance with SANS 10400 Part N & SANS 10137.

IRONMONGERY:
New Casement Windows come fitted with standard window ironmongery applicable to the system, inclusive of handles, top hung open out stays.

SURFACE FINISH:
ANP1052 White Powder Coating

WIND LOAD :
1500 Pascal's (1.5Kpa)



W04-BULK DRY STORE
SCALE 1 : 25

QUANTITY:1

DESCRIPTION:
Wispeco Top-hung Casement window - 1935mm Wide X 2596mm High with 6.38mm Clear Laminated Safety Glass & Standard Ironmongery with Louvre Insert into Bottom Panel

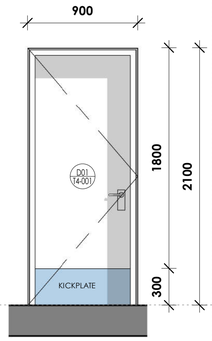
GLASS:
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IRONMONGERY:
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SURFACE FINISH:
ANP1052 White Powder Coating

WIND LOAD :
1500 Pascal's (1.5Kpa)

DOOR SCHEDULE



D01
SCALE 1 : 25

QUANTITY:2

DOOR SIZE:
H - 2100mm, W - 900mm. -SINGLE DOOR

FRAME CONSTRUCTION:
1.2mm Pressed steel single rebated door frame to suit door size, wall thickness.

FRAME FINISH:
Shop applied WHITE primer. Prepare and apply 1 coat universal undercoat and 2 coats super enamel. Colour - WHITE. Applied to manufacturers specifications.

DOOR CONSTRUCTION:
44mm Thick Solid Core flush panel single door with concealed hardwood edges all round, with 3,2mm timber veneer (wood type) covering to both sides.

DOOR FINISH:
Prepare and apply 1 coat alkyd base WHITE undercoat and 2 coats Plascon eggshell WHITE topcoats. Applied to manufacturers specifications.

IRONMONGERY:

- Pair of DORMA DBB-SS-009 stainless steel standard butt hinges size 102 x 75 x 3mm.
- Pair of DORMA Square DSQ901 satin finish solid stainless steel spring loaded lever handles with two DSQ001 keyhole escutcheon and DORMA D034S multi-lever sash lock with lock case, stainless steel forend.
- Two DSQ001 keyhole escutcheon.
- DORMA D034S multi-lever sash lock with lock case.
- DORMA DDS-SS-017 stainless steel door stop.

NOTES:

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public works & infrastructure
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TENDER DRAWING

PROJECT
PARLIAMENTARY PRECINCT: VARIOUS KITCHENS: REPLACEMENT OF REDUNDANT KITCHEN EQUIPMENT INCLUDING CONSTRUCTION WORK.

MARKS KITCHEN

DRAWING
DOOR & WINDOW SCHEDULE

SCALE	DATE	DRAWN	CHECKED
1 : 25	06/09/2024	A.N	B.R

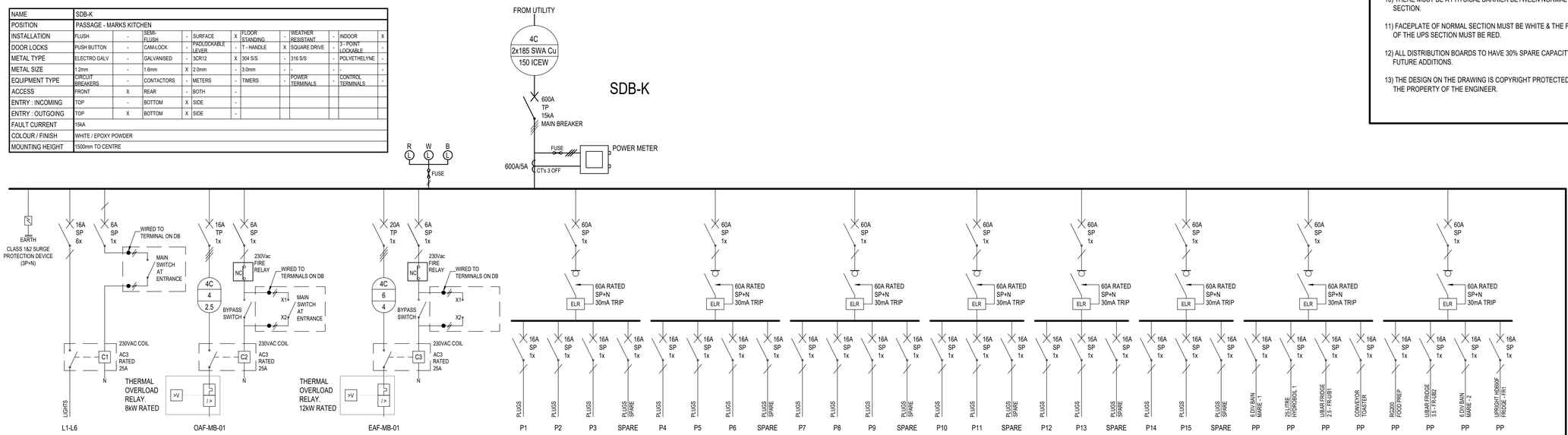
PROJECT NUMBER

PAGE SIZE **A 1**

DRAWING NUMBER **WC015 - 700**

REVISION **E**

NAME	SDB-K											
POSITION	PASSAGE - MARKS KITCHEN											
INSTALLATION	FLUSH	-	SEMI-FLUSH	-	SURFACE	X	FLOOR STANDING	-	WEATHER RESISTANT	-	INDOOR	X
DOOR LOCKS	PUSH BUTTON	-	CAM-LOCK	-	PADLOCKABLE LEVER	-	T - HANDLE	X	SQUARE DRIVE	-	T - POINT LOCKABLE	-
METAL TYPE	ELECTRO GALV	-	GALVANISED	-	3CR12	X	304 S/S	-	316 S/S	-	POLYETHELYNE	-
METAL SIZE	1.2mm	-	1.6mm	X	2.0mm	-	3.0mm	-	-	-	-	-
EQUIPMENT TYPE	CIRCUIT BREAKERS	-	CONTACTORS	-	METERS	-	TIMERS	-	POWER TERMINALS		CONTROL TERMINALS	-
ACCESS	FRONT	X	REAR	-	BOTH	-						
ENTRY : INCOMING	TOP	-	BOTTOM	X	SIDE	-						
ENTRY : OUTGOING	TOP	X	BOTTOM	X	SIDE	-						
FAULT CURRENT	15kA											
COLOUR / FINISH	WHITE / EPOXY POWDER											
MOUNTING HEIGHT	1500mm TO CENTRE											



| | | | | | | | | | | |

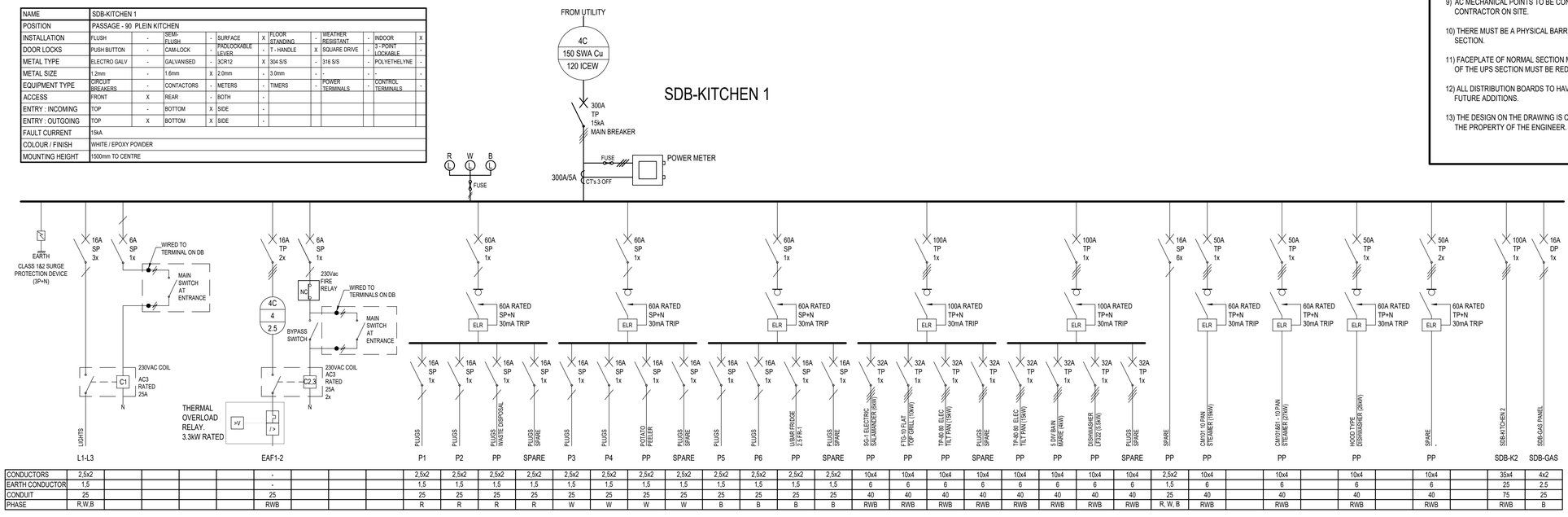
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4) THIS DRAWING IS ONLY FOR THE ELECTRICAL INSTALLATION PURPOSES.
5) REFER TO THE LEGEND FOR DETAILS OF ELECTRICAL EQUIPMENT.
6) ALL ELECTRICAL INSTALLATIONS SHALL COMPLY WITH THE LATEST SANS SPECIFICATIONS.
7) THE SITE ENGINEER MUST ENSURE THAT WORK IS DONE FROM THE LATEST REVISION OF DRAWINGS.
8) ALL HEIGHTS ARE GIVEN ABOVE FINAL FLOOR LEVEL.
9) AC MECHANICAL POINTS TO BE CONFIRMED BY THE MECHANICAL CONTRACTOR ON SITE.
10) THERE MUST BE A PHYSICAL BARRIER BETWEEN NORMAL & UPS SECTION.
11) FACEPLATE OF NORMAL SECTION MUST BE WHITE & THE FACEPLATE OF THE UPS SECTION MUST BE RED.
12) ALL DISTRIBUTION BOARDS TO HAVE 30% SPARE CAPACITY FOR FUTURE ADDITIONS.
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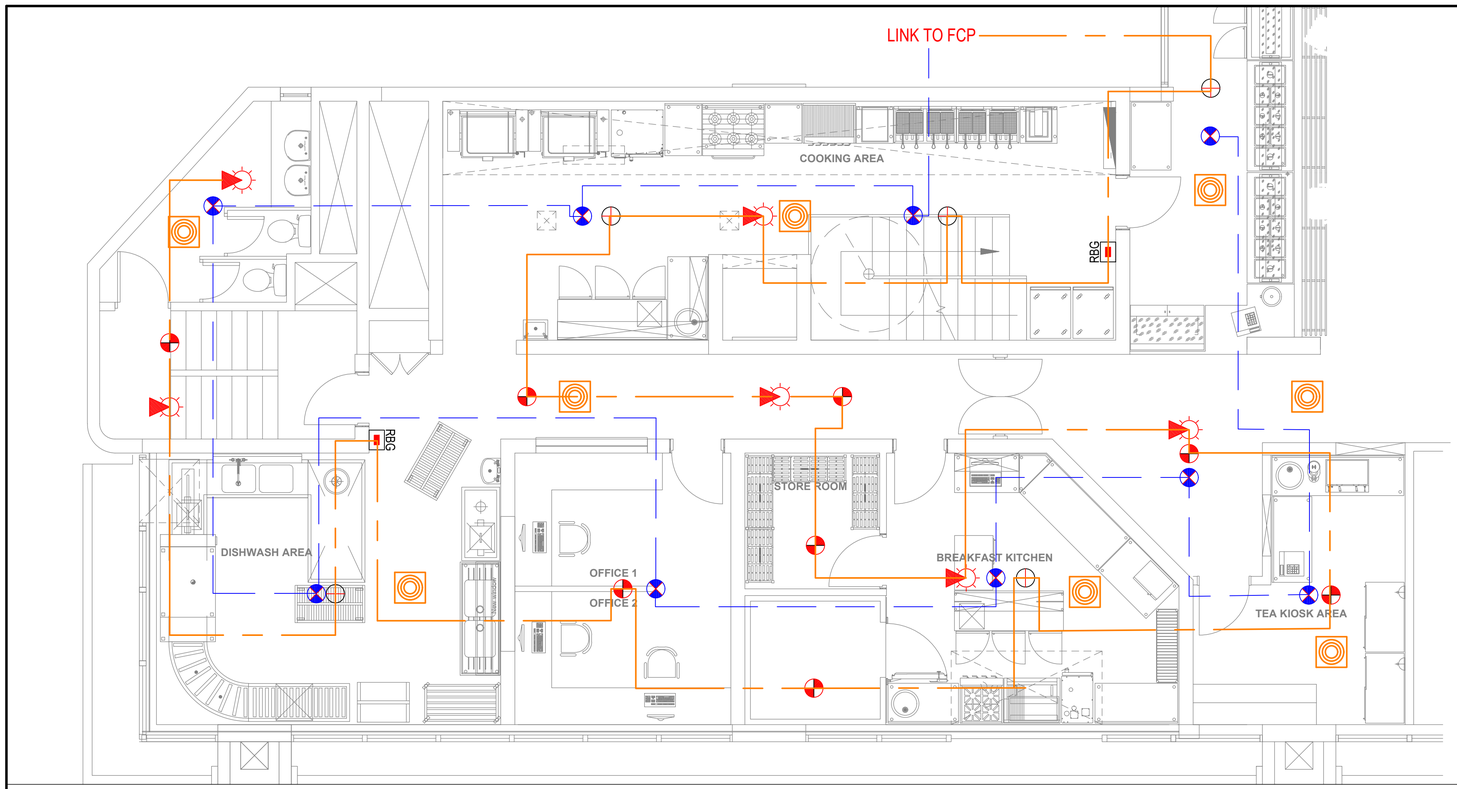
NR. NO.	DATUM DATE	WYSIGING AMENDMENT	D.O.W. D.P.W.
A	11/03/2020	FOR APPROVAL	
B	08/09/2020	FOR APPROVAL	
C	16/09/2020	FOR APPROVAL	
T0	20/06/2022	FOR TENDER	

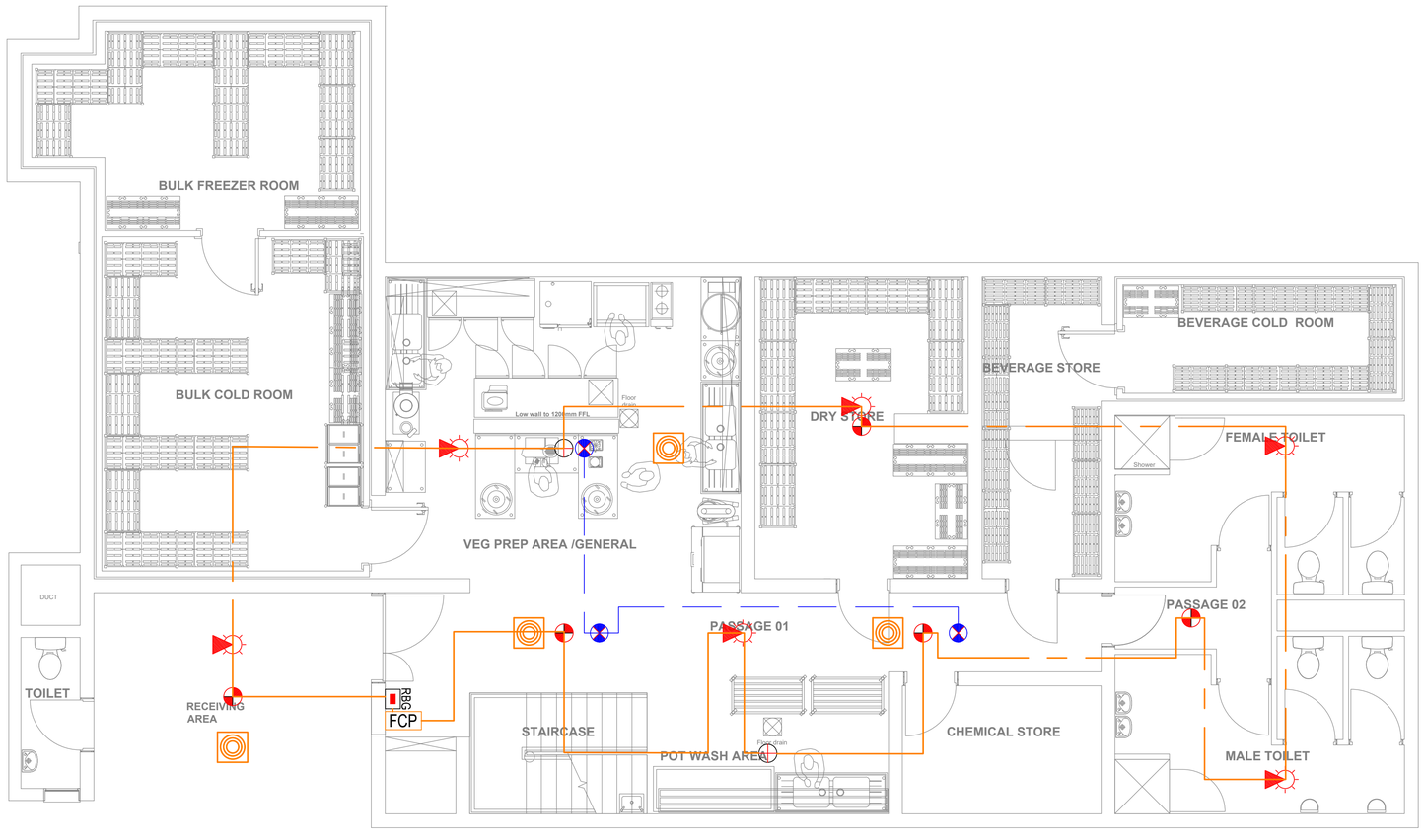
Outeursreg berus by die
Departement van Openbare Werke
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Department of Public Works

NAME	SDB-KITCHEN 1
POSITION	PASSAGE - 90 PLEIN KITCHEN
INSTALLATION	FLUSH - / SEMI-FLUSH - / SURFACE - / FLOOR STANDING X / WEATHER RESISTANT - / INDOOR X
DOOR LOCKS	PUSH BUTTON - / CAM-LOCK - / PADLOCKABLE LEVER - / T - HANDLE - / SQUARE DRIVE X / 3 - POINT LOCKABLE -
METAL TYPE	ELECTRO GALV - / GALVANISED - / 3CR12 X / 304 S/S - / 316 S/S - / POLYETHELYNE -
METAL SIZE	1.2mm - / 1.6mm X / 2.0mm - / 3.0mm - / - - / - -
EQUIPMENT TYPE	CIRCUIT BREAKERS - / CONTACTORS - / METERS - / TIMERS - / POWER TERMINALS - / CONTROL TERMINALS -
ACCESS	FRONT X / REAR - / BOTH -
ENTRY : INCOMING	TOP - / BOTTOM X / SIDE -
ENTRY : OUTGOING	TOP X / BOTTOM X / SIDE -
FAULT CURRENT	15kA
COLOUR / FINISH	WHITE / EPOXY POWDER
MOUNTING HEIGHT	1500mm TO CENTRE



| | | |





TYPE	ELECTRONIC SERVICES LEGEND	MOUNTING TYPE / HEIGHT
MDH	EMF FIRE DOOR WITH ELECTROMAGNETIC HOLD OPEN SYSTEM. DOOR TO CLOSE IN CASE OF FIRE ALARM. SEE TYPICAL DOOR DRAWING FOR DETAILS	1900mm AFFL TO CENTER
MMFP	MIMIC FIRE PANEL	1250mm AFFL TO CENTER
FCP	MAIN FIRE CONTROL PANEL FOR FIRE DETECTION SYSTEM	1250mm AFFL TO CENTER
	SMOKE DETECTOR	CEILING
	HEAT DETECTOR	CEILING
	SMOKE DETECTOR IN ROOF SPACE	CEILING
LI	LINE ISOLATORS FOR FIRE DETECTION SYSTEM	CEILING
RBG	RED BREAK GLASS UNIT FOR FIRE DETECTION SYSTEM Ø25mm ROUND BOX WITH 25mm CONDUIT	1250mm AFFL TO CENTER
	COMBINATION: FIRE SOUNDER & FLASHING BEACON (LIGHT)	WALL
	FIRE SOUNDER ONLY	CEILING
	LOOP 1 (FIRE DETECTION) — PH120 CABLING	-
	LOOP 2 (FIRE DETECTION) — PH120 CABLING	-
	LOOP 3 (FIRE DETECTION) — PH120 CABLING	-
	LOOP 4 (FIRE DETECTION) — PH120 CABLING	-
GBG	GREEN BREAK GLASS UNIT FOR ACCESS CONTROL SYSTEM Ø25mm ROUND BOX WITH 25mm CONDUIT	1250mm AFFL TO CENTER
	AUDIO SPEAKER	CEILING

FOR TENDER

NR. NO.	DATUM DATE	WYSIGING AMENDMENT	D.O.W. D.P.W.
A	16/09/2020	FOR APPROVAL	
T0	20/06/2022	FOR TENDER	

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HEAD OFFICE
Private Bag X65
Pretoria
0001
Tel (012) 337 2000

S. VUKELA
Director-General:

T. KOLELE
Director: Projects:
Cape Town Regional Office

DEPARTMENT: PUBLIC WORKS
REPUBLIC OF SOUTH AFRICA

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT | REG. NO. | DATE

APPROVED BY BVi

ENGINEER/TECHNOLOGIST | 20080282 REG. NO. | 20/06/2022 DATE

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	Welkom	(057) 353-2499		wel@bvifs.co.za
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Registration no. 1996/000157/07

discipline
ELECTRICAL ENGINEERING

diens/service

CAPE TOWN PARLIAMENTARY PRECINT COMPLEX : REFURBISHMENT OF VARIOUS KITCHENS

WCS number
WCS 054967

tekeningopskrif/drawing title
90 PLEIN KITCHEN - GROUND & FIRST FLOOR:
ELECTRONIC LAYOUT

verw. nr ref.no	3 / 12 / 20 / 2 / 24	ontwerp designed	MAURICE AWKES
skaal scale	1:50@A1	geteken drawn	MAURICE AWKES
datum date	20 JUNE 2022	nagesien checked	GERNOT HALBERSTADT
tipenommer type number			
tekeningnommer		drawing number	

EE..../340-02 REV T0

0 10 50 100



TYPE	ELECTRONIC SERVICES LEGEND	MOUNTING TYPE / HEIGHT
MDH	EMF FIRE DOOR WITH ELECTROMAGNETIC HOLD OPEN SYSTEM. DOOR TO CLOSE IN CASE OF FIRE ALARM. SEE TYPICAL DOOR DRAWING FOR DETAILS	1900mm AFFL TO CENTER
MMFP	MIMIC FIRE PANEL	1250mm AFFL TO CENTER
FCP	MAIN FIRE CONTROL PANEL FOR FIRE DETECTION SYSTEM	1250mm AFFL TO CENTER
	SMOKE DETECTOR	CEILING
	HEAT DETECTOR	CEILING
	SMOKE DETECTOR IN ROOF SPACE	CEILING
LI	LINE ISOLATORS FOR FIRE DETECTION SYSTEM	CEILING
RBG	RED BREAK GLASS UNIT FOR FIRE DETECTION SYSTEM Ø25mm ROUND BOX WITH 25mm CONDUIT	1250mm AFFL TO CENTER
	COMBINATION: FIRE SOUNDER & FLASHING BEACON (LIGHT)	WALL
	FIRE SOUNDER ONLY	CEILING
	LOOP 1 (FIRE DETECTION) — PH120 CABLING	-
	LOOP 2 (FIRE DETECTION) — PH120 CABLING	-
	LOOP 3 (FIRE DETECTION) — PH120 CABLING	-
	LOOP 4 (FIRE DETECTION) — PH120 CABLING	-
GBG	GREEN BREAK GLASS UNIT FOR ACCESS CONTROL SYSTEM Ø25mm ROUND BOX WITH 25mm CONDUIT	1250mm AFFL TO CENTER
	AUDIO SPEAKER	CEILING

NR. NO.	DATUM DATE	WYSIGING AMENDMENT	D.O.W. D.P.W.
A	16/09/2020	FOR APPROVAL	
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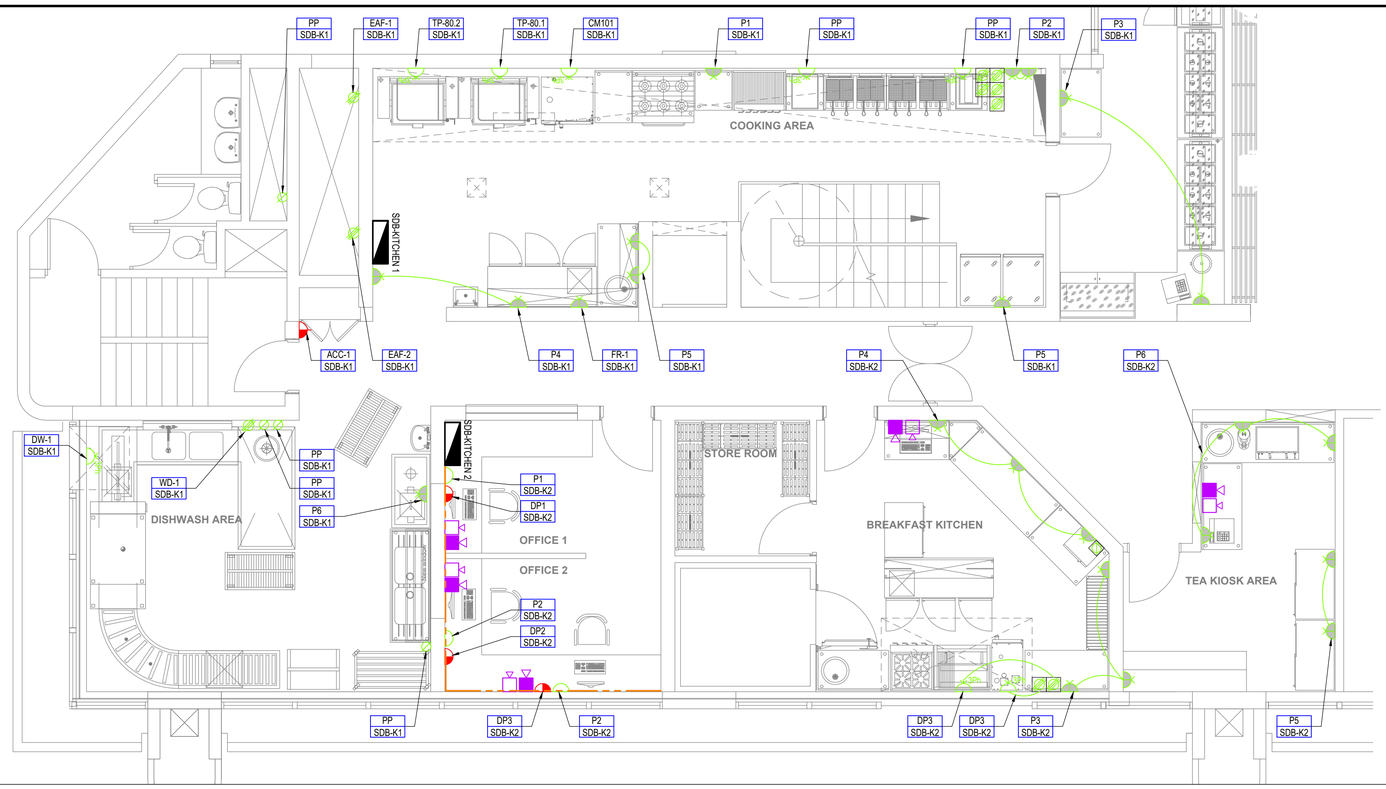
tekeningopskrif/drawing title
MARKS KITCHEN - BASEMENT & GROUND FLOOR:
ELECTRONIC LAYOUT

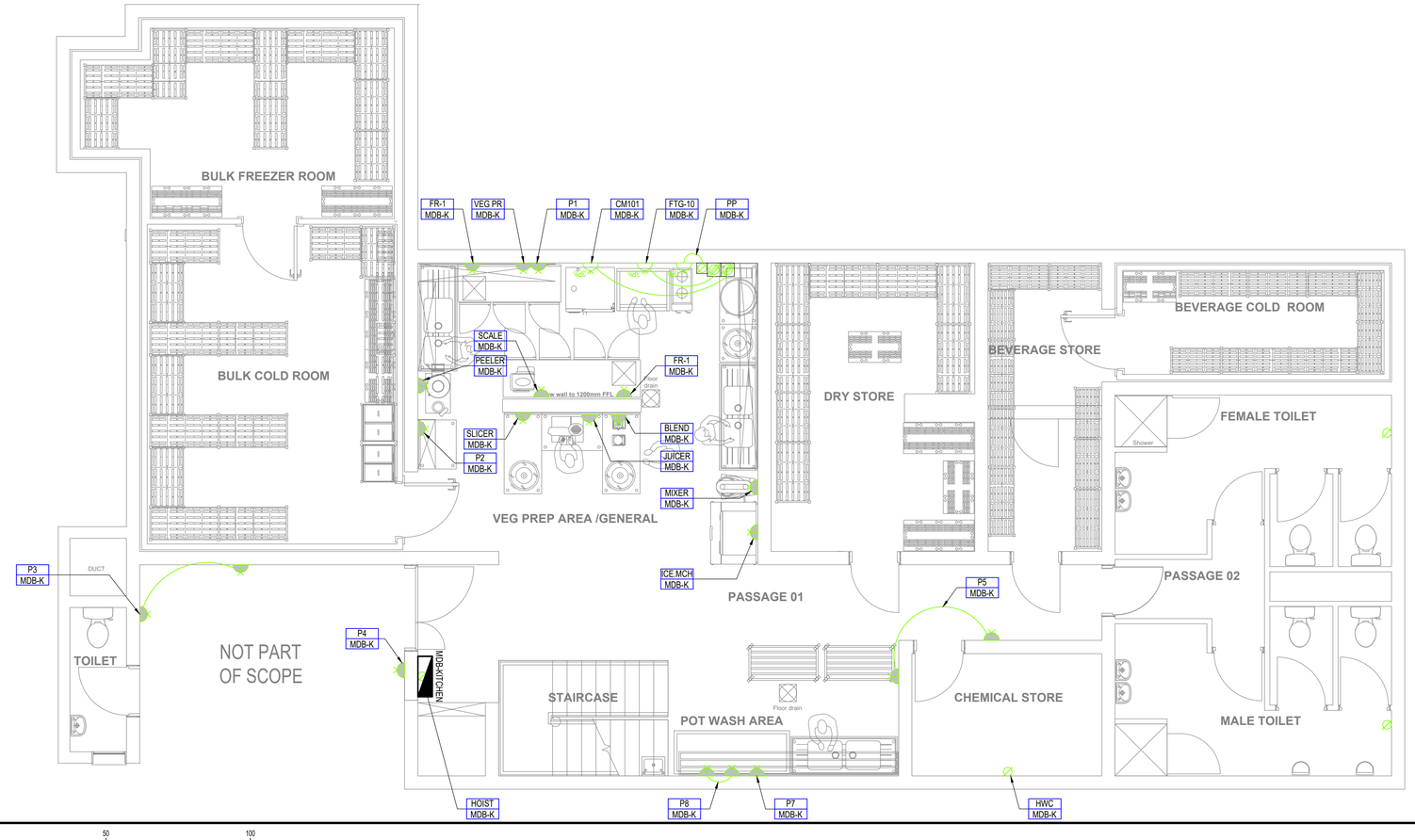
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tipenommer type number			

tekeningnommer | drawing number
EE..../340-03 REV T0

FOR TENDER

0 10 50 100





TYPE	POWER OUTLETS LEGEND	MOUNTING TYPE / HEIGHT
	DOUBLE DEDICATED SWITCHED SOCKET OUTLET SANS 164-1, EACH RATED 16A, 100mm x 100mm (UPS : RED)	WALL MOUNT/350mm AFFL TO CENTER
	3 PHASE ISOLATOR, SURFACE MOUNTED AGAINST SOFFIT OR WALL. (NON - ESSENTIAL)	HEIGHT INDICATED ON DRAWING
	COMBINATION 16A SSO + 16A, 164 - 2 SOCKET	350mm AFFL TO CENTER / INDICATED ON DRAWING
	SINGLE PHASE ISOLATOR, SURFACE MOUNTED AGAINST SOFFIT OR WALL.(ESSENTIAL)	HEIGHT INDICATED ON DRAWING
	SINGLE PHASE ISOLATOR, RECESSED IN WALL. (ESSENTIAL)	1250mm AFFL TO CENTER
	3 PHASE ISOLATOR, RECESSED IN WALL. (NON - ESSENTIAL)	1250mm AFFL TO CENTER
3Ph	63A (3P+N+E 5 PIN) 3 PHASE ELECTRICAL OUTLET POINT : IP 44 FOR INSIDE AND IP65 FOR OUTSIDE.	350mm AFFL TO CENTER / INDICATED ON DRAWING
1Ph	32A (2P+E) SINGLE PHASE ELECTRICAL OUTLET POINT : IP 44 FOR INSIDE AND IP65 FOR OUTSIDE.	350mm AFFL TO CENTER / INDICATED ON DRAWING
	RJ 45 COMPUTER OUTLET POINT,100mm X 100mm	WALL / 350MM AFFL TO CENTER
	RJ 45 COMPUTER OUTLET POINT ON POWER SKIRTING	POWER SKIRTING
	WALL MOUNTED 3 COMPARTMENT ALUMINIUM POWER SKIRTING COLOUR : BY ARCHITECT	FLOOR LEVEL UNLESS STATED OTHERWISE
	DEDICATED POWER CIRCUITS	-
	UPS POWER CIRCUIT	-
DB-B	DISTRIBUTION BOARD	1500mm AFFL TO CENTER

FOR TENDER

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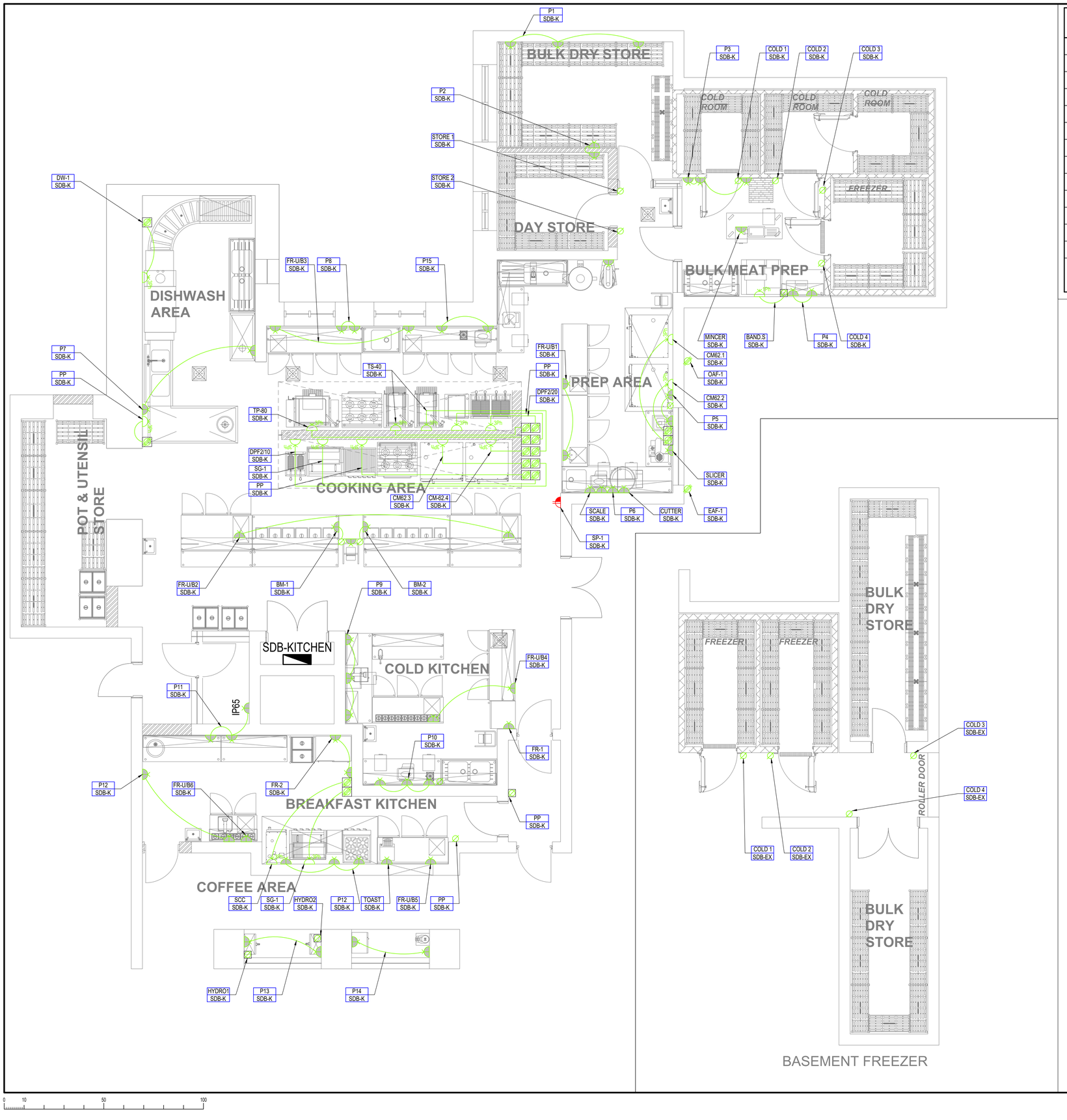
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POWER LAYOUT

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skaal scale	1:50@A1	geteken drawn	MAURICE AWKES
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BASEMENT FREEZER

TYPE	POWER OUTLETS LEGEND	MOUNTING TYPE / HEIGHT
	DOUBLE DEDICATED SWITCHED SOCKET OUTLET SANS 164-1, EACH RATED 16A, 100mm x 100mm (UPS : RED)	WALL MOUNT/350mm AFFL TO CENTER
	3 PHASE ISOLATOR, SURFACE MOUNTED AGAINST SOFFIT OR WALL. (NON - ESSENTIAL)	HEIGHT INDICATED ON DRAWING
	COMBINATION 16A SSO + 16A, 164 - 2 SOCKET	350mm AFFL TO CENTER / INDICATED ON DRAWING
	SINGLE PHASE ISOLATOR, SURFACE MOUNTED AGAINST SOFFIT OR WALL.(ESSENTIAL)	HEIGHT INDICATED ON DRAWING
	SINGLE PHASE ISOLATOR, RECESSED IN WALL. (ESSENTIAL)	1250mm AFFL TO CENTER
	3 PHASE ISOLATOR, RECESSED IN WALL. (NON - ESSENTIAL)	1250mm AFFL TO CENTER
3Ph	63A (3P+N+E 5 PIN) 3 PHASE ELECTRICAL OUTLET POINT : IP 44 FOR INSIDE AND IP65 FOR OUTSIDE.	350mm AFFL TO CENTER / INDICATED ON DRAWING
1Ph	32A (2P+E) SINGLE PHASE ELECTRICAL OUTLET POINT : IP 44 FOR INSIDE AND IP65 FOR OUTSIDE.	350mm AFFL TO CENTER / INDICATED ON DRAWING
	RJ 45 COMPUTER OUTLET POINT,100mm X 100mm	WALL / 350MM AFFL TO CENTER
	RJ 45 COMPUTER OUTLET POINT ON POWER SKIRTING	POWER SKIRTING
	WALL MOUNTED 3 COMPARTMENT ALUMINIUM POWER SKIRTING COLOUR : BY ARCHITECT	FLOOR LEVEL UNLESS STATED OTHERWISE
	DEDICATED POWER CIRCUITS	-
	UPS POWER CIRCUIT	-
DB-B	DISTRIBUTION BOARD	1500mm AFFL TO CENTER

FOR TENDER

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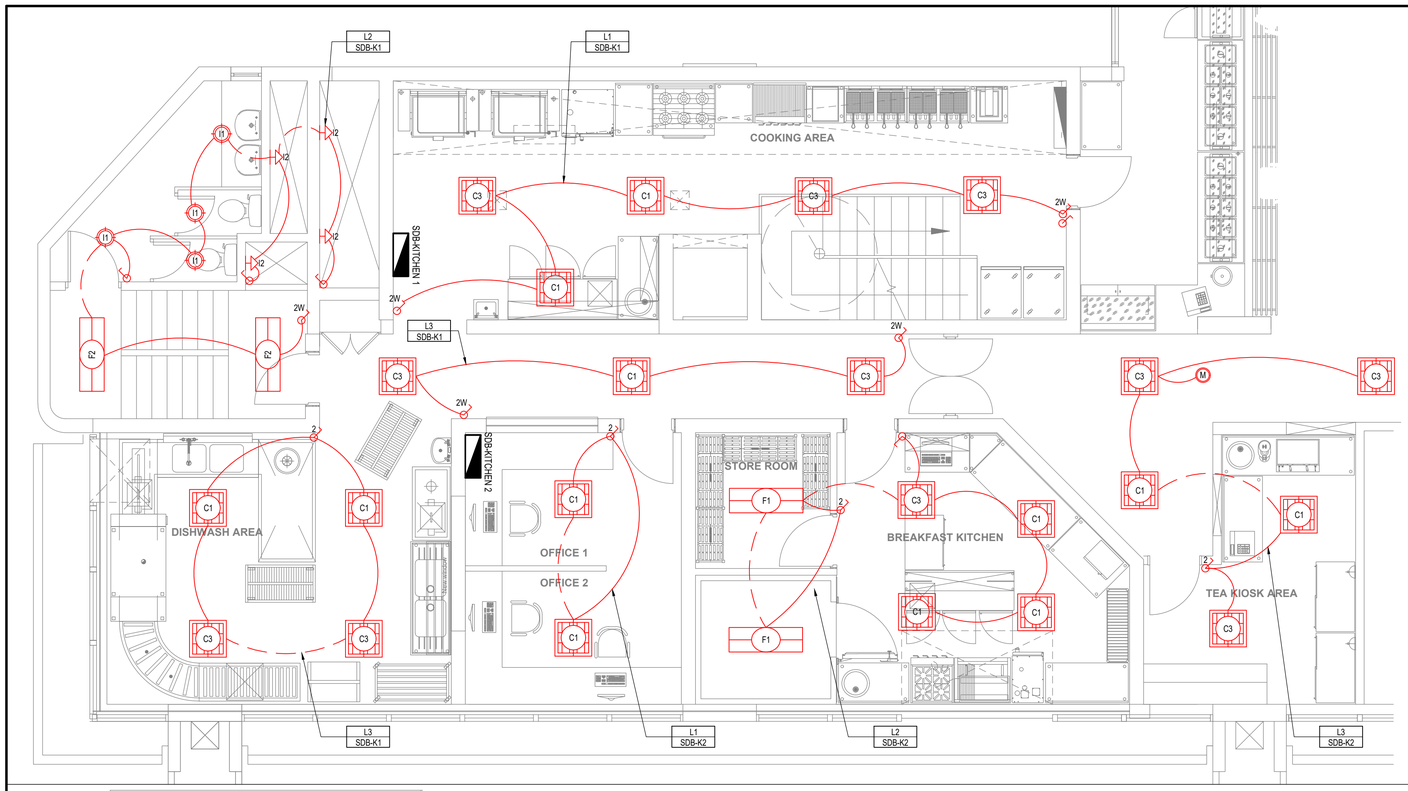
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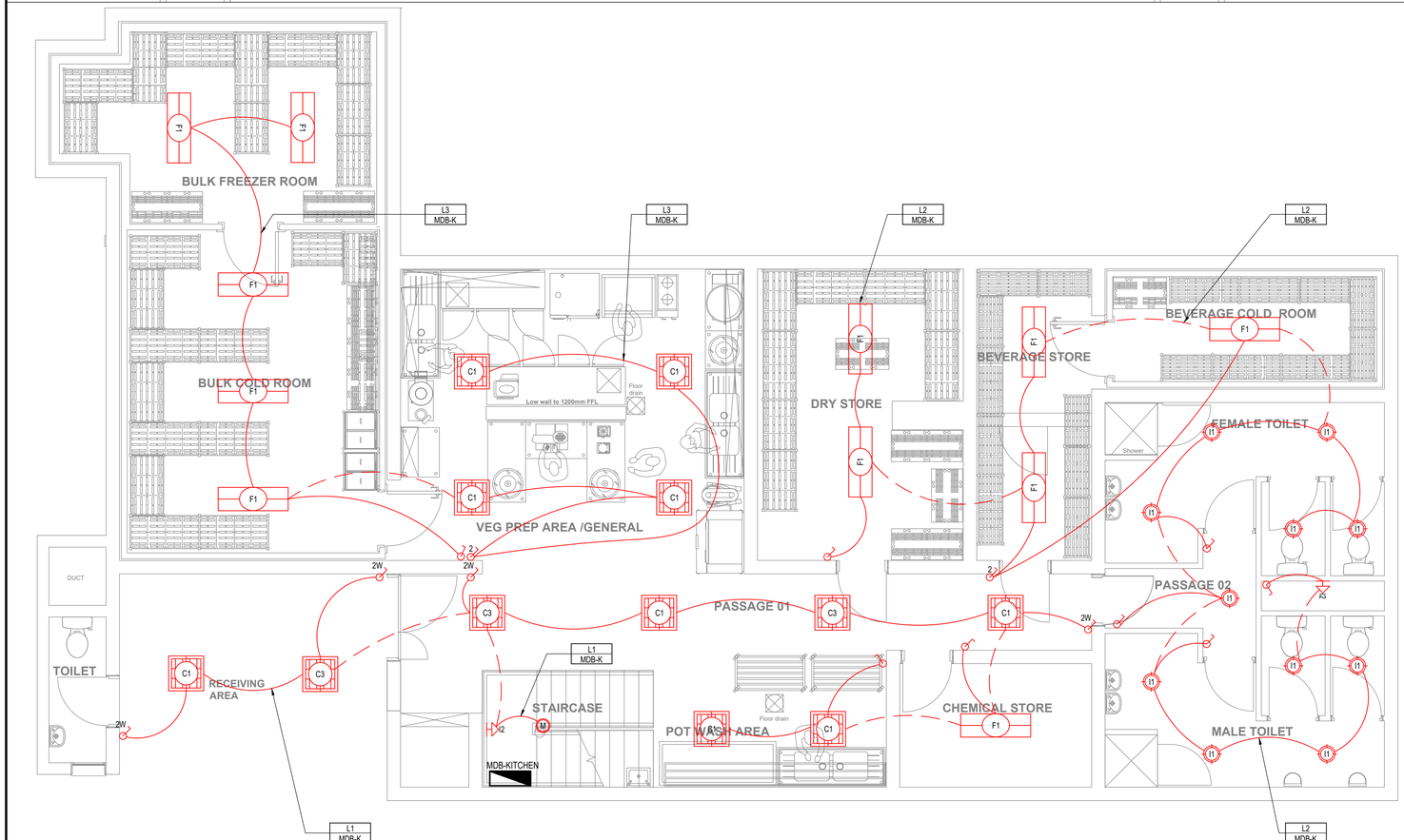
tipenommer type number

tekeningnommer drawing number

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TYPE	LIGHTING LEGEND SPECIFICATIONS	MOUNTING TYPE / HEIGHT
C1	600MM X 600MM RECESSED LED LUMINAIRE WITH (30W LED, 4000K, 3245 LM, LOW GLARE PRISMATIC DIFFUSER, WHITE POWDER COATED SEAMLESS ALUMINIUM EXTRUDED FRAME, 3M CABTYRE & 6A P/TOP). SIMILAR TO REGENT LIGHTING LUXON PRISM 1200X300.	CEILING, RECESSED
C2	600MM X 600MM RECESSED LED LUMINAIRE WITH (30W LED, 4000K, 3245 LM, TRANSLUCENT DIFFUSER, WHITE POWDER COATED SEAMLESS ALUMINIUM EXTRUDED FRAME, 3M CABTYRE & 6A P/TOP). SIMILAR TO REGENT LIGHTING LUXON 1200X300.	CEILING, RECESSED
C3	600MM X 600MM RECESSED LED LUMINAIRE WITH (30W LED, 4000K, 3245 LM, LOW GLARE PRISMATIC DIFFUSER, WHITE POWDER COATED SEAMLESS ALUMINIUM EXTRUDED FRAME, 60 MINUTE EMERGENCY BATTERY BACK-UP POWER - MAINTAINED, 3M CABTYRE & 6A P/TOP). SIMILAR TO REGENT LIGHTING PRISM 1200X300.	CEILING, RECESSED
F1	1278MM X 112MM SURFACE MOUNTED VAPOUR PROOF LED LUMINAIRE WITH (33W LED, 4000K, 4883 LM, IP65, ABS BASE WITH STAINLESS STEEL NON CORROSIVE CLIPS, UV STABALISED POLYCARBONATE DIFFUSER & 3M CABTYRE). SIMILAR TO REGENT LIGHTING NIMBUS.	SURFACE AGAINST CEILING
F2	1278MM X 112MM SURFACE MOUNTED VAPOUR PROOF LED LUMINAIRE WITH (33W LED, 4000K, 4883 LM, IP65, ABS BASE WITH STAINLESS STEEL NON CORROSIVE CLIPS, UV STABALISED POLYCARBONATE DIFFUSER, 60 MINUTE EMERGENCY BACK-UP POWER - MAINTAINED & 3M CABTYRE). SIMILAR TO REGENT LIGHTING NIMBUS.	SURFACE AGAINST CEILING
I1	ROUND CEILING MOUNTED BULKHEAD LUMINAIRE WITH (16W LED, 4000K, 2098 LM, IP66 RATED, UV STABILIZED HIGH IMPACT OPAL DIFFUSER, BLACK POWDER DIE CAST ALUMINIUM BODY). SIMILAR TO REGENT LIGHTING SOLO.	CEILING
I2	ROUND WALL MOUNTED BULKHEAD LUMINAIRE WITH (16W LED, 4000K, 2098 LM, IP66 RATED, UV STABILIZED HIGH IMPACT OPAL DIFFUSER, BLACK POWDER DIE CAST ALUMINIUM BODY). SIMILAR TO REGENT LIGHTING SOLO	WALL
EXIT	310MM X 310MM X 65MM WALL MOUNT EXIT SIGNAGE LED LUMINAIRE WITH (14W LED, 4000K, 2684 LM, FIBREGLASS FRAME, TOUGHENED GLASS LENS, GREEN ON WHITE LABELING & CUT-OUT AT THE BOTTOM WITH PERSPEX COVER FOR THRESHOLD LIGHTING & 60 MINUTE BATTERY BACK-UP - MAINTAINED). SIMILAR TO VOLTEX E10-14W-LED-EMG.	ABOVE DOOR
	1 LEVER 1 WAY 16A LIGHT SWITCH	1200mm AFFL TO CENTRE
2	2 LEVER 1 WAY 16A LIGHT SWITCH	1200mm AFFL TO CENTRE
2W	1 LEVER 2 WAY 16A LIGHT SWITCH	1200mm AFFL TO CENTRE
M	360° ON/OFF PRESENCE DETECTOR 230V, 16A, AC1	CEILING
	EMERGENCY (UPS) LIGHT CIRCUIT	
	NON-ESSENTIAL LIGHT CIRCUIT	
	NON-ESSENTIAL LIGHT CIRCUIT TO THE NEXT ROOM	

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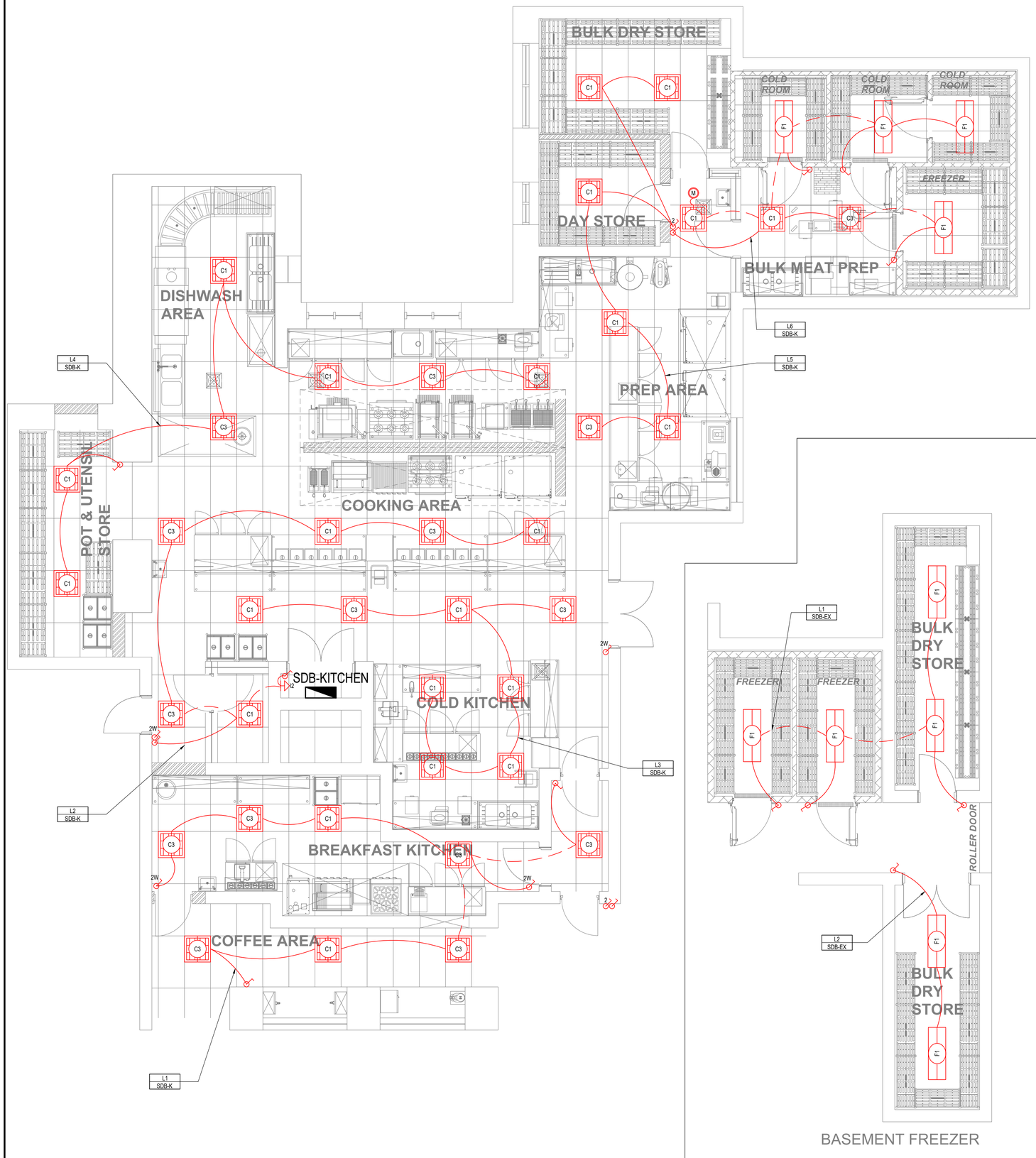
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90 PLEIN KITCHEN - GROUND & FIRST FLOOR:
LIGHTING LAYOUT

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skaal / scale	1:50@A1	geteken / drawn	MAURICE AWKES
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BASEMENT FREEZER

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TYPE	LIGHTING LEGEND SPECIFICATIONS	MOUNTING TYPE / HEIGHT
C1	600MM X 600MM RECESSED LED LUMINAIRE WITH (30W LED, 4000K, 3245 LM, LOW GLARE PRISMATIC DIFFUSER, WHITE POWDER COATED SEAMLESS ALUMINIUM EXTRUDED FRAME, 3M CABTYRE & 6A P/TOP). SIMILAR TO REGENT LIGHTING LUXON PRISM 1200X300.	CEILING, RECESSED
C2	600MM X 600MM RECESSED LED LUMINAIRE WITH (30W LED, 4000K, 3245 LM, TRANSLUCENT DIFFUSER, WHITE POWDER COATED SEAMLESS ALUMINIUM EXTRUDED FRAME, 3M CABTYRE & 6A P/TOP). SIMILAR TO REGENT LIGHTING LUXON 1200X300.	CEILING, RECESSED
C3	600MM X 600MM RECESSED LED LUMINAIRE WITH (30W LED, 4000K, 3245 LM, LOW GLARE PRISMATIC DIFFUSER, WHITE POWDER COATED SEAMLESS ALUMINIUM EXTRUDED FRAME, 60 MINUTE EMERGENCY BATTERY BACK-UP POWER - MAINTAINED, 3M CABTYRE & 6A P/TOP). SIMILAR TO REGENT LIGHTING PRISM 1200X300.	CEILING, RECESSED
F1	1278MM X 112MM SURFACE MOUNTED VAPOUR PROOF LED LUMINAIRE WITH (33W LED, 4000K, 4883 LM, IP65, ABS BASE WITH STAINLESS STEEL NON CORROSIVE CLIPS, UV STABALISED POLYCARBONATE DIFFUSER & 3M CABTYRE). SIMILAR TO REGENT LIGHTING NIMBUS.	SURFACE AGAINST CEILING
F2	1278MM X 112MM SURFACE MOUNTED VAPOUR PROOF LED LUMINAIRE WITH (33W LED, 4000K, 4883 LM, IP65, ABS BASE WITH STAINLESS STEEL NON CORROSIVE CLIPS, UV STABALISED POLYCARBONATE DIFFUSER, 60 MINUTE EMERGENCY BACK-UP POWER - MAINTAINED & 3M CABTYRE). SIMILAR TO REGENT LIGHTING NIMBUS.	SURFACE AGAINST CEILING
I1	ROUND CEILING MOUNTED BULKHEAD LUMINAIRE WITH (16W LED, 4000K, 2098 LM, IP66 RATED, UV STABILIZED HIGH IMPACT OPAL DIFFUSER, BLACK POWDER DIE CAST ALUMINIUM BODY). SIMILAR TO REGENT LIGHTING SOLO.	CEILING
x2	ROUND WALL MOUNTED BULKHEAD LUMINAIRE WITH (16W LED, 4000K, 2098 LM, IP66 RATED, UV STABILIZED HIGH IMPACT OPAL DIFFUSER, BLACK POWDER DIE CAST ALUMINIUM BODY). SIMILAR TO REGENT LIGHTING SOLO	WALL
EXIT	310MM X 310MM X 65MM WALL MOUNT EXIT SIGNAGE LED LUMINAIRE WITH (14W LED, 4000K, 2584 LM, FIBREGLASS FRAME, TOUGHENED GLASS LENS, GREEN ON WHITE LABELING & CUT-OUT AT THE BOTTOM WITH PERSPEX COVER FOR THRESHOLD LIGHTING & 60 MINUTE BATTERY BACK-UP - MAINTAINED). SIMILAR TO VOLTEX E10-14W-LED-EMG.	ABOVE DOOR
	1 LEVER 1 WAY 16A LIGHT SWITCH	1200mm AFFL TO CENTRE
2	2 LEVER 1 WAY 16A LIGHT SWITCH	1200mm AFFL TO CENTRE
2W	1 LEVER 2 WAY 16A LIGHT SWITCH	1200mm AFFL TO CENTRE
M	360° ON/OFF PRESENCE DETECTOR 230V, 16A, AC1	CEILING
	EMERGENCY (UPS) LIGHT CIRCUIT	
	NON-ESSENTIAL LIGHT CIRCUIT	
	NON-ESSENTIAL LIGHT CIRCUIT TO THE NEXT ROOM	

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diens/service
CAPE TOWN PARLIAMENTARY PRECINT COMPLEX : REFURBISHMENT OF VARIOUS KITCHENS

WCS number
WCS 054967

tekeningopskrif/drawing title
MARKS KITCHEN - BASEMENT & GROUND FLOOR:
LIGHTING LAYOUT

verw. nr ref.no	3 / 12 / 20 / 2 / 24	ontwerp designed	MAURICE AWKES
skaal scale	1:50@A1	geteken drawn	MAURICE AWKES
datum date	20 JUNE 2022	nagesien checked	GERNOT HALBERSTADT
tipenommer type number			
tekeningnommer drawing number	EE..../380-03 REV T0		

Part C3: Scope of Work

Scope of Work

PG-01.2 (EC) SCOPE OF WORKS – JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018)

Project title:	CAPE TOWN: PARLIAMENTARY PRECINCT: UPGRADING AND RECONFIGURATION OF VARIOUS KITCHENS INCLUDING REPLACEMENT OF EQUIPMENT AND ASSOCIATED WORKS		
Tender / Quotation no:	***CPT 1004/25***	**Reference no:**	*3/12/20/2/24*

C3. Scope of Works

C3.1 EXTENT OF THE WORKS

Alterations and additons to 2 existing kitchens within the Parliamentary precinct, incl tiling, sanitary fittings etc, electrical installations, mechanical installation and the replacement of existing Kitchen Equipment and Cold/ Freezer Rooms. One Kitchen is for the supply and instalaltion of Kitchen Equipment and Cold/ Freezer rooms only.

C3.2 ORDER OF THE WORKS

The works will be carried out in phases with Phase 1 being the Supply and Installation of Kitchen equipment, Cold/ Freezer rooms etc in the Old Assembly Kitchen, followed by the Alterations, Additions and Renovations to the Marks and 90 Plein Street Kitchens, including supply and installation of Kitchen Equipment, Cold/ Freezer Rooms etc.

C3.3 BUILDINGS OCCUPIED

The three buildings will be occupied throughout the contract, and certain areas may be out of bounds at certain times for security reasons.

C3.4 ACCESS

The contractor will have to adhere to restricted access areas and specific access points to site. These will be pointed out to the contractor

C3.5 STANDARD MINIMUM REQUIREMENTS

In terms of section 5(2) of the Construction Industry Development Board Act, 2000 (Act no. 38 of 2000) (the Act), the Construction Industry Development Board is empowered to establish and promote best practice standards, Standard Requirements and Guidelines which includes the following but not limited to:

C3.5.1 cidb Best Practice: Green Building Certification, No. 34158 Government Gazette, 1 April 2011

C3.5.2 cidb Standard for Developing Skills through Infrastructure Contracts, No. 36760 Government Gazette, 23 August 2013

C3.5.3 cidb Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts, No 36190 Government Gazette, 25 February 2013

C3.5.4 cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts, No. 41237 Government Gazette,10 November 2017

C3.5.5 cidb Standard for Minimum Requirements for Engaging Contractors and Sub-Contractors on Construction Works Contracts, No. 41237 Government Gazette, 10 November 2017

C3.5.6 cidb Standard for Minimum Requirements for Engaging Contractors and Sub- Contractors on Construction Works Contracts, No. 42021 Government Gazette, 9 November 2018

C3.5.7 cidb Standard for Developing Skills through Infrastructure Contracts, No 48491 Government Gazette, 23 April 2023.

C3.6 CONTRACT PARTICIPATION GOALS AND CIDB BUILD PROGRAMME

Provision has been made within the Contract Participation Goal section in the Bill of Quantities for the respective CPGs. Prescribed Profit and Attendance percentages have been stipulated, all inclusive of associated costs to the contractor for implementation and allowance for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

Monthly progressive reports to be submitted to the Employer's representative indicating the percentage targets achieved which must be reconciled upon completion of the project and to form part of the final account.

The contractor shall achieve in the performance of this contract the following Contract Participation Goals (CPGs) as indicated below.

C3.6.1 Minimum Targeted Local Material Manufacturer Contract Participation Goal

The Minimum Targeted Local Building Material Manufacturers CPG is *not applicable* to this project.

It is the requirement of the employer that the contractor enhances the use of local Small, Micro and Medium Enterprise Local Material Manufacturers (SMME's) in executing this contract, irrespective whether a minimum percentage Participation Goals is applicable or not.

The Minimum Targeted Local Manufacturers of Material Contract Participation Goal, in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020.

A Targeted Local Material Manufacturer is a targeted enterprise that operates or maintains a factory or establishment that produces on its premises materials or goods required by the principal contractor for the performance of the contract.
Note: Adapted from SANS 10845-7:2015, definition 2.13

Preference shall be given to the Targeted Local Material Manufacturer where feasible in **not applicable**, and provided that:

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

(d) Materials of at least **not applicable** of the total value of materials purchased excluding VAT to be sourced from within N/A **km** radius of the project site,
(e) Material of at least **N/A** of the total value of materials purchased excluding VAT to be sourced from within **N/A km** radius of the project site.

Failure to achieve the minimum specified value as indicated in the CPG Bill of Quantity Section for Targeted Local Material Manufacturer participation will result in a **thirty percent (30%)** penalty of the prorate targeted value of materials not complied with unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The contractor shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

C3.6.2 Minimum Targeted Local Building Material Suppliers Contract Participation Goal

The Minimum Targeted Local Building Material Suppliers CPG is *not applicable*

It is the requirement of the employer that the contractor enhances the use of local Small, Micro and Medium Enterprise Local Material Suppliers (SMME's) in executing this contract, irrespective whether a minimum percentage Participation Goals is applicable or not.

The Minimum Targeted Local Manufacturers of Material Contract Participation Goal shall be achieved in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract..

A targeted supplier is a targeted enterprise that
a) owns, operates or maintains a store, warehouse or other establishment in which goods are bought, kept in stock and regularly sold to wholesalers, retailers or the public in the usual course of business; and
b) engages, as its principal business and in its own name, in the purchase and sale of goods.
Note: Adapted from SANS 10845-7:2015, definition 2.14

Preference shall be given to the local material suppliers where feasible in the **N/A**, and provided that:
(a) Such materials comply in all respects with the specific requirements of PW371 and SANS specifications,
(b) The none availability of such materials shall not adversely affect the desired progress of the specific works,
(c) The use of such suppliers shall not constitute grounds for any claim for increased cost in respect thereof,
(d) Materials of at least **N/A** of the total value of materials purchased excluding VAT to be sourced from within **N/Akm** of the project site,
(e) Material of at least **N/A** of the total value of materials purchased excluding VAT to be sourced from within **N/Akm** of the project site.

Failure to achieve the minimum specified value as indicated in the CPG Bill of Quantity Section for Targeted Local Material Manufacturer participation will result in a **thirty percent (30%)** penalty of the prorate targeted value of materials not complied with, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

C3.6.3 Minimum Targeted Local Labour Skills Development Contract Participation Goal

The Minimum Targeted Local Labour Skills Development CPG is *not applicable to this project.*

It is the requirement of the employer that the contractor enhances the use of local labour in executing this contract. This is required to be done through the use of both traditional building techniques and labour-intensive construction techniques careful and considered construction planning and implemented in the project irrespective whether a minimum percentage Participation Goal is applicable or not.

The Minimum Targeted Local Skills Development Contract Participation Goal shall be achieved in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract..

Targeted labour: individuals who:

a) are employed by the principal contractor, sub-contractor or targeted enterprises in the performance of the contract;
b) are defined as the target group in the targeting data; and
c) permanently reside in the target area or who are recognized as being residents of the target area on the basis of identification and association with and recognition by the residents of the target area.

Adapted from SANS 10845-7:2015, definition 2.12

Targeting of labour by skills categories is only permissible within categories of semi-skilled and unskilled labour.

Contract participation goals for semi-skilled and unskilled labour shall be limited to on-the-job training to targeted labour to enable such labour to master the basic work techniques required to undertake the work in accordance with the requirements of the contract and in a manner that does not compromise worker health and safety. In the case of targeted labour, the certification of records shall be in accordance with SANS 10845-8.

Beneficiaries will be sourced from the **N/A** for the full duration of the Construction Period, employed by either the principal contractor, sub-contractors or targeted enterprises. The total number of working days to complete the Works amount to **N/A** working days. The minimum CPG participation for Targeted Local Labour Skills Development is **N/A**, expressed as a percentage of the total number of working days required to complete the Works. The contractor shall attain or exceed the CPG in the performance of the contract. Failure to achieve the minimum Targeted Local Labour Skills Development CPG will result in a payment reduction of **R5 000** (Excluding VAT), per working day which training has not been provided to the workforce in attendance, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

C3.6.4 CIDB BUILD PROGRAMME: Minimum Targeted Enterprise Development Contract Participation Goal

The Minimum Targeted Enterprise Development Contract Participation Goal is *not applicable* to this project.

The aim of this best practice standard for indirect targeting for enterprise development in accordance with the Standard for Indirect Targeting for Enterprise Development (published in Government Gazette 36190 of 25 February 2013), as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract. is to promote enterprise development by providing for a minimum Contract Participation Goal (CPG) of N/A of the contract

amount as defined in the Standard (Tender amount, excluding allowances and VAT) on selected contracts to be undertaken by joint-venture partners or to be sub-contracted to developing contractors that are also to be beneficiaries of enterprise development support from the main contractor.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

The lead partner or main contractor shall dedicate a **minimum *N/A*** of the tender value at the time of award, excluding allowances and VAT, to provide developmental support to targeted subcontractor or joint venture partner applicable to contracts in Grades 7 to 9, General Building and Civil Engineering contracts. Preference will be given to N/A Enterprises.

Failing to achieve the targeted Contract Skills Development Goal will result in A) a thirty percent (30%) penalty of the value of the portion not achieved, excluding VAT, and B) the issuing of completion certificates only after the completion certificate of achieving the skills development goal, counter-signed by the relevant individuals has been submitted, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

C3.6.4.1 Criteria

The main or lead partner of the successful bidder shall:

(a) There must be a needs analysis for indirect targeting and development or skill standard and should be development in at least any two developmental areas namely;

- Administrative and cost control systems
- construction management systems and plans
- planning, tendering and programming
- business; technical; procurement skills
- legal compliance
- credit rating/history; financial loan capacity/history
- contractual knowledge

(b) The above needs analysis shall be mutually agreed upon between contractor and targeted enterprise

(c) The contractor shall appoint an enterprise development coordinator to:

- perform needs analysis on the targeted enterprise to identify developmental goals
- develop a project specific enterprise development plan to improve the targeted enterprise/s performance in the identified developmental areas
- provide internal mentorship support to improve the targeted enterprise/s performance
- monitor and submit to the employer's representative a monthly enterprise development report thereby reporting on the progress of the agreed development areas with the targeted enterprise/s
- submit a project completion report to the Employer's representative for each targeted enterprise.

C3.6.4.2 Management

The contractor shall provide a competent person/s to provide internal mentorship to the Targeted Enterprise/s in the two agreed developmental areas.

C3.6.4.3 Competence Criteria for an Enterprise Development Co-ordinator

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

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

C3.6.4.4 Format of Communications

The contractor shall submit to the Employer's Representative:

- *Project interim reports* in the specified format **(ED105P)** detailing interim values of the CPG that was achieved together with an assessment of the enterprise development support provided should be tabled and discussed at least monthly at progress meetings between employer's representative and the contractor;
- *Project completion report* in the specified format **(ED101P)** to the Employer's Representative for acceptance within 15 days of achieving practical completion. The report shall include the value of the CPG that was certified in accordance with the contract, cidb registration numbers of each and every targeted enterprise, and the value of the subcontracted works or of the joint venture entered into; and the participation parameter
- *Enterprise development declaration (**ED104P**).*

C3.6.4.5 The Key Personal

The contractor shall appoint an Enterprise Development Co-ordinator and a competent person/s to provide internal mentorship.

C3.6.4.6 Management Meetings

The contractor shall report to the Employer's Representative on the implementation and progress of the targeted enterprise development and CPG at monthly progress site meetings.

C3.6.4.7 Forms for contract administration

The contractor shall submit to the Employer's Representative the following proformas:

- Form ED 105P Project Interim Report
- Form ED 104P Enterprise Development Declaration
- Form ED 101P Project Completion Report

C3.6.4.8 Records

The contractor shall:

- keep records of the targeted enterprise development
- keep records of the payments made to the targeted enterprises in relation to the CPG.
- ensure all the documentation required in terms of the Standard is provided with each monthly progress payment certificate and according to a prescribed format where applicable.

C3.6.4.9 Payment Certificates

The contractor shall:

- achieve the measurable CPG and providing enterprise development support to the targeted enterprise/s as per the Standard.
- submit payment certificates to the Employer Representative at intervals determined in the Contract.

C3.6.4.10 Compliance requirements

Non-compliance with the Best Practice Project Assessment Scheme

The wording of regulation 27A of the cidb regulations makes provision for the Board to enforce the cidb code of conduct in the event of clients being found to be in breach of the best practice project assessment scheme.

- Not including the requirements of the cidb standards in the conditions of tender
- Not registering the award of contract on the cidb Register of Projects (RoP)
- Not reporting practical completion on the cidb Register of Projects (RoP)

3.6.5 **CIDB BUILD PROGRAMME: Minimum Targeted Contract Skills Development Goal (CSDG)**

The Minimum Targeted Contract Skills Development CPG is *Not aplicable* to this project.

The contractor shall achieve or exceed in the performance of the contract the Contract Skills Development Goal (CSDG) established in the Standard for Developing Skills through Infrastructure Contracts (published in Government Gazette No 48491 of 23 April 2023 and the cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.

Failing to achieve the targeted Contract Skills Development Goal will result in A) a **thirty percent (30%)** penalty of the value of the portion not achieved, excluding VAT, and B) the issuing of completion certificates only after the completion certificate of achieving the skills development goal, counter-signed by the relevant individuals has been submitted, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 3 in the Standard and this cost will be used to determine the value in Rand and will be added to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.

C3.6.5.1 Methodology

The contractor shall achieve the measurable contract skills development goal by providing opportunities to learners requiring structured workplace learning using one or a combination of any of the following in relation to work directly related to the contract or order:

Method 1: structured workplace learning opportunities for learners towards the attainment of a part or a full occupational qualification;

Method 2: structured workplace learning opportunities for apprentices or other artisan learners towards the attainment of a trade qualification leading to a listed trade (GG No. 35625, 31 August 2012) subject to at least sixty percent (60%) of the artisan learners being holders of public TVET college qualifications;

Method 3: work integrated learning opportunities for University of Technology or Comprehensive University students completing their national diplomas;

Method 4: structured workplace learning opportunities for candidates towards registration in a professional category by a statutory council.

The contract skills participation goals, expressed in Rand, shall not be less than the contract amount multiplied by a percentage (%) factor given in Table 1 in the Standard for the applicable class of construction works.

Table 1: Contracting skills development goals for different classes of engineering and construction works contracts

Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004		Construction skills development goal (CSDG) (%)
Designation	**Description**	
CE	Civil Engineering	0.25
CE and GB	Civil engineering and General Building	0.375
EE	Electrical Engineering works (buildings)	0.25
EP	Electrical Engineering works (infrastructure)	0.25
GB	General Building	0.5
ME	Mechanical Engineering works	0.25
SB	Specialist	0.25

The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 2 in the Standard and this cost will be used to determine the value in Rand and will be added to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.

Table 2: Notional Cost of Training per Headcount
Source: cidb Standard for Skills Development

Type of Training Opportunity	Provision for stipends (Unemployed learners only)	Provisions for mentorship	Provisions for additional costs*	Total costs	
				Unemployed learners	Employed learners
Method 1					
Occupational qualification	**R7 000**	**R0**	**R9 000**	**R16 000**	**R9 000**
Method 2					
TVET College graduates	**R14 000**	**R0**	**R9 000**	**R23 000**	**N/A**
Apprenticeship	**R14 000**	**R0**	**R12 000**	**R26 000**	**R12 000**
Method 3					
P1 and P2 learners	**R24 000**	**R20 000**	**R4 500**	**R48 500**	**N/A**
Method 4					
Candidates with a 3 year diploma	**R37 000**	**R20 000**	**R4 500**	**R61 500**	**R20 000**
Candidates with 4 year qualification	**R47 000**	**R20 000**	**R4 500**	**R71 500**	**R20 000**

Note: the required CPG will be recalculated based on the awarded tender amount and "Contract amount" once the beneficiaries have been appointed and actual costs are known. The notional cost of providing training opportunities will increase by CPI on an annual basis based on April CPI. Should the rates increase after bid award or during construction the rates will be adjusted as a remeasuarble item.

(a) The successful contractor may employ part/full occupational qualification learners, trade qualification learners, work integrated learners or directly or through a Skills Development Agency (SDA), (A1 - List of cidb accredited SDAs).

(b) The successful contractor must employ at least sixty percent (60%) of the learners from an FET / TVET college should the contractor select to have part/full occupational qualification learners and trade qualification learners contributing to the CSDG.

(c) The successful contractor shall employ at least **N/A** from eligible part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates in the employment of the employer.

(d) The successful contractor shall ensure that no single method shall contribute more than seventy five percent (75%) of the CSDG for the contract.

(e) The successful contractor may only place thirty three percent (33%) employed employees or that of his subcontractors contributing to the CSDG.

(f) The contractor shall employ at least sixty percent (60%) of the learners from a Public FET / TVET college should the contractor select to have trade qualification learners (Method 2) contributing to the CSDG.

(g) One of the objectives of the project is to train **N/A** Occupational qualifications, trade qualification, work integrated learners – P1 and P2 learners, professional candidates.

C3.6.5.2 Management

(a) The successful contractor must keep site records regarding the part/full occupational qualification learners', trade qualification learners', work integrated learners' or candidates' progress, site attendance, hours worked and other relevant information as required by the Standard.

(b) The successful contractor shall provide the required number of appropriately qualified mentors to the maximum number of part/full occupational qualification learners, trade qualification learners, work integrated learners in the proportion as specified in the Standard.

(c) The successful contractor shall provide a supervisor to manage the training of the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates.

(d) The successful contractor shall submit to the employer's representative a baseline training plan in the specified format (Pro-forma A2) for the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates within 30 days of start of the contract.

(e) The successful contractor shall submit to the employer's representative project interim report in the specified format (Pro-forma A3) on the progress of each of part/full occupational qualification learner, trade qualification learner, work integrated learner, every three months.

(f) The successful contractor shall submit to the employer's representative the names and particulars in the specified format (Pro-forma A4) of the supervisor, mentors for the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates within 30 days of start of the contract.

(g) The successful contractor shall keep a daily record of all the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates on site and their daily activities and shall be made available to the employer's representative on request.

(h) The successful contractor shall submit to the employer's representative the reports on the progress and status of the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates with the monthly invoice for the payment certificate.

(i) The successful contractor shall have health and safety inductions for all part/full occupational qualification learners, trade qualification learners, work integrated learners or

(j) The successful contractor shall conduct entry and exit medical tests of all part/full occupational qualification learners, trade qualification learners, work integrated learners or

(k) The successful contractor shall provide personal protective equipment (PPE) to all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates at the start of their employment on site.

(l) Based on the agreed skills methods the contractor may employ part/full Occupational Qualification Learners and /or Trade Qualification Learners and/or Work Integrated Learners and/or Candidates directly or through a Skills Development Agency (SDA), training provider or skills development facilitator (Form A1 - List of cidb accredited SDAs). The contractor shall ensure that no more than one Method shall be applied to any individual concurrently in the calculation of the CSDG for the contract.

C3.6.6 NATIONAL YOUTH SERVICE TRAINING AND DEVELOPMENT PROGRAMME (NYS)

The National Youth Service Training and Development Programme is *not applicable* to this project.

The programme shall be implemented in terms of the Implementation of the National Youth Service Programme under the Expanded Public Works (EPWP) and shall be priced in the CPG section of the Bills of Quantities. Monthly reports are to be submitted to the Employer's Representative.

Failure by the contractors to achieve the specified number to be trained in the NYS section of the CPG section within the Bills of quantities will result in a Payment reduction as per bill of quantities per person, excluding VAT, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

C3.6.7 LABOUR-INTENSIVE WORKS

Labour Intensive Works is *not applicable* to this project.

Where labour intensive work is specified in the Bill of Qualities and specified by "LI" the contractor must price for and include in rates. Contractors are expected to use their initiative to identify additional activities that can be done labour-intensively to comply with the set minimum labour intensity target. Allowance must be made for submitting monthly reports illustrating the value of the works executed under Labour Intensive Works.

Failure by the contractor to achieve the specified value of the Labour Intensive Participation Goal as stipulated within the Bills of Quantities will result in a **thirty percent (30%)** penalty of the value of the works not done by means of labour intensive methods, excluding VAT, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

Employer's objectives:
The employer's objectives are to deliver public infrastructure using labour-intensive methods in accordance with EPWP Guidelines.

Labour-intensive works:
Labour-intensive works shall be constructed/maintained using local workers who are temporarily employed in terms of the scope of work.

Labour-intensive competencies of supervisory and management staff:

Contractors shall only engage supervisory and management staff in labour-intensive works that have completed the skills programme including Foremen/ Supervisors at NQF level 4 “National Certificate: Supervision of Civil Engineering Construction Processes” and Site Agent/ Manager at NQF level 5 "Manage Labour-Intensive Construction Processes" or equivalent QCTO qualifications (See Appendix C) at NQF outlined in Table 1

C3.6.7.1 GENERIC LABOUR-INTENSIVE SPECIFICATION

Contractors are referred to the Guidelines for the Implementation of Labour-intensive Infrastructure Projects under the Expanded Publics Works Programme (EPWP) for the generic labour-intensive specification applicable to the contract.

This specification establishes general requirements for activities which are to be executed by hand involving the following:

- trenches having a depth of less than 1.5 metres
- stormwater drainage
- roads
- sidewalks and non-motorised transport infrastructure
- water and sanitation

Precedence

Where this specification is in conflict with any other standard or specification referred to in the Scope of Works to this Contract, the requirements of this specification shall prevail

.

Hand excavateable material

Hand excavateable material is:

a) granular materials:

i) whose consistency when profiled may in terms of Table 3 be classified as very loose, loose, medium dense, or dense; or

ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 15 blows of a dynamic cone penetrometer is required to penetrate 100mm;

b) cohesive materials:

i) whose consistency when profiled may in terms of Table 3 be classified as very soft, soft, firm, stiff and stiff / very stiff; or

ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 8 blows of a dynamic cone penetrometer is required to penetrate 100mm;

Note

1) A boulder is material with a particle size greater than 200mm, a cobble and gravel is material between 60 and 200mm.

2) A dynamic cone penetrometer is an instrument used to measure the in-situ shear resistance of a soil comprising a drop weight of approximately 10 kg which falls through a height of 400mm and drives a cone having a maximum diameter of 20mm (cone angle of 60° with respect to the horizontal) into the material being used.

Table 3: Consistency of materials when profiled

GRANULAR MATERIALS		COHESIVE MATERIALS	
CONSISTENCY	**DESCRIPTION**	**CONSISTENCY**	**DESCRIPTION**
Very loose	Crumbles very easily when scraped with a geological pick.	Very soft	Geological pick head can easily be pushed in as far as the shaft of the handle.
Loose	Small resistance to penetration by sharp	Soft	Easily dented by thumb; sharp end of a geological pick can be pushed in 30-

	end of a geological pick.		40 mm; can be moulded by fingers with some pressure.
Medium dense	Considerable resistance to penetration by sharp end of a geological pick.	Firm	Indented by thumb with effort; sharp end of geological pick can be pushed in up to 10 mm; very difficult to mould with fingers; can just be penetrated with an ordinary hand spade.
Dense	Very high resistance to penetration by the sharp end of a geological pick; requires many blows for excavation.	Stiff	Can be indented by thumb-nail; slight indentation produced by pushing geological pick point into soil; cannot be moulded by fingers.
Very dense	High resistance to repeated blows of a geological pick.	Very stiff	Indented by thumb-nail with difficulty; slight indentation produced by blow of a geological pick point.

Trench excavation
All hand excavateable material in trenches having a depth of less than 1,5 metres shall be excavated by hand.

Compaction of backfilling to trenches (areas not subject to traffic)
Backfilling to trenches shall be placed in layers of thickness (before compaction) not exceeding 100mm. Each layer shall be compacted using hand stampers;
a) to 90% Mod AASHTO;
b) such that in excess of 5 blows of a dynamic come penetrometer (DCP) is required to penetrate 100 mm of the backfill, provided that backfill does not comprise more than 10% gravel of size less than 10mm and contains no isolated boulders, or
c) such that the density of the compacted trench backfill is not less than that of the surrounding undisturbed soil when tested comparatively with a DCP.

Excavation
All excavateable material including topsoil classified as hand excavateable shall be excavated by hand. Harder material may be loosened by mechanical means prior to excavation by hand. Any material which presents the possibility of danger or injury to workers shall not be excavated by hand.

Clearing and grubbing
Grass and bushes shall be cleared by hand.

Shaping
All shaping shall be undertaken by hand.

Loading
All loading shall be done by hand. Haulage equipment should be selected in a manner that allows loading by hand to the greatest extent possible.

Haul
Excavation material shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.

Offloading
All material, however transported, is to be off-loaded by hand, unless tipper-trucks are utilised for haulage.

Spreading
All material shall be spread by hand.

Compaction
Small areas may be compacted by hand provided that the specified compaction is achieved. Appropriate rollers should be used where higher (than can be achieved by hand) levels of compaction are required or for large areas.

Grassing
All grassing shall be undertaking by sprigging, sodding, or seeding by hand.

Stone pitching and rubble concrete masonry
All stone required for stone pitching and rubble concrete masonry, whether grouted or dry, must to be collected, loaded, off loaded and placed by hand.
Sand and stone shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.
Grout shall be mixed and placed by hand.

Manufactured Elements
Elements manufactured or supplied by the Contractor, such as manhole rings and cover slabs, precast concrete planks and pipes, masonry units and edge beams shall not individually, have a mass of more than 320kg. Where the mass of an element exceeds 55 kg, consideration should be given to the size of the element relative to its total mass related to the number of workers who would be needed to lift such mass

C3.7 Submission of Accrual Reports

The Contractor shall submit accrual reports to the client representative at the end of March and September each year for the duration of the Service Contract period from the date of appointment up to and including project closeout. This is to ensure that PMTE complies with the accounting framework GRAP, which requires that PMTE disclose all its accruals as at the end of each reporting date.

C3.8 Submission of Monthly Local Material Utilisation Report (Local Content)

Submission of Monthly Local Material Utilisation Report (Local Content) *not applicable* to this project.

The Contractor shall when applicable to this project, be responsible for record keeping, documenting and submission of monthly local material utilization report with supporting documentation to the Employer's representative within 7 working days of the beginning of the successive month, in terms of DTI&C designated industry/sector/sub-sector schedule as per the PA36 and Annexures C attached to the tender document. The final percentage achievement to be reconciled upon completion of the project and form part of the final account.

Failure by the contractor to achieve the specified percentage of local content per designated industry/sector/sub-sector as listed will result in a thirty percent thirty percent (30%) penalty of the value not achieved, excluding VAT, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

Examples of calculating CPGs and related penalties

CPGs values are based on the Tender Amount at the time of the award. Determining the actual values is based either on the Tender Amount including allowances and Vat or the Tender Amount at the time of award excluding allowances and VAT, where Allowances include the following:

- Provisional amounts
- CPG allowances
- Nominated and/or selected subcontractors
- Contract price adjustment (Not provided for within the B of Q by NDPWI)
- Contingency amounts (Not provided for within the B of Q by NDPWI)

CPG values in the CPG Bill of Quantities Section will be recalculated based on the "Tender Amount" or the "Contract Amount" which ever applicable and the provisional amounts adjusted accordingly. Sanctions (penalties) are applicable to all CPGs where the contractor fails to achieve the minimum specified requirements, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control. No penalties will be applied should the CPG value, based on the original "Tender Amount" or the "Contract Amount", has been achieved.

1.1 Targeted Local Building Material Manufacturers CPG

When applicable, the CPG is expressed as a percentage of the "Contract Amount", i.e. the Tender Amount at the time of award excluding allowances and VAT.

CPG calculation example:
"Tender Amount" = R150 Mil all inclusive of allowances and VAT
"Contract Amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
CPG to be achieved = 5% as specified in the Scope of Works (PG01.2)
CPG target value = R130 Mil x 5% = R 6,5 Mil (Value of material to be purchased from local manufacturers, excluding VAT)

Calculation of penalty:
Percentage penalty applicable = 10% as specified in the Scope of Works (PG01.2)
CPG target value = R6,5 Mil excluding VAT
CPG Achieved = R5,5 Mil (R1 Mil shortfall) excluding VAT
Penalty = R1 Mil x 10% = R100 000 excluding VAT

1.2 Targeted Local Building Material Suppliers CPG

When applicable, the CPG is expressed as a percentage of the "Contract Amount", i.e. the Tender Amount at the time of award excluding allowances and VAT.

CPG calculation example:
"Tender Amount" = R150 Mil all inclusive of allowances and VAT
"Contract Amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
CPG to be achieved = 5% as specified in the Scope of Works (PG01.2)
CPG target value = R130 Mil x 5% = R 6,5 Mil (Value of material to be purchased from local suppliers, excluding VAT)

Calculation of penalty:
Percentage penalty applicable = 20% as specified in the Scope of Works (PG01.2)
CPG target value = R6,5 Mil excluding VAT
CPG Achieved = R5,5 Mil (R1 Mil shortfall) excluding VAT
Penalty = R1 Mil x 20% = R200 000 excluding VAT

1.3 Targeted Local Labour Skills Development CPG

When applicable, the CPG is expressed as a percentage of the total number working days required to

complete the Works.

CPG calculation example:
"Tender Amount" = R150 Mil all inclusive of allowances and VAT
"Contract amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
Number of working days required to complete the Works based on the construction period = 600 days
CPG percentage participation to be achieved = 30% as specified in the Scope of Works (PG01.2)
Required number of working days training to be provided = 180 days (600 x 30%)

Calculation of penalty:
Payment reduction = R 5 000 per day for not providing training as specified in the Scope of Works (PG01.2)
CPG = 600 working days x 30% = 180 working days training to be provided
CPG Achieved = 160 days (20 days shortfall where no training was provided)
Penalty = 20 days x R5 000 payment reduction per day= R100 000 excluding VAT

1.4 Cidb BUILD Programme: Enterprise Development

When applicable, the Enterprise Development CPG expressed as a percentage of the "Contract amount" = Tender amount at the time of award excluding allowances and VAT. Failure to achieve the minimum Targeted Local Labour Skills Development CPG will result in a payment reduction of an amount specified in the Scope of Works (PG01.2) per working day where training was not provided.

The monetary value of training to be provided is stipulated in the CPG BoQ section. The number of beneficiaries to be trained is dependent on the "Contract Amount" as well the number of beneficiaries appointed which will generally resort under the Grade 1 and 2 cidb categories. The provisional amount will therefore be adjusted in terms of the "contract Amount", the number of beneficiaries to be trained and the actual cost for providing the training.

Part 1: Calculation of 5% CPG example:
"Tender Amount" = R150 Mil all inclusive of allowances and VAT
"Contract Amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
CPG percentage participation to be achieved = 5% as specified in the Scope of Works (PG01.2) CPG value = R6,5 Mil (Value of work to be subcontracted to emerging enterprises)

Calculation of penalty
Percentage penalty applicable = 30% as specified in the Scope of Works (PG01.2)
CPG Minimum 5% = R6,5 Mil
Achieved = R5,5 Mil (Only subcontracted work to the value of R5,5 Mil, i.e. R1 Mil shortfall)
Penalty = R1 Mil x 30% = R300 000 Excl. VAT

Part 2: Calculations in terms of training to be done:
The number of enterprises to be developed is subject to the contract amount and the apportionment of the work as per Example 1 below.
Number of enterprises to be trained = 6 x 1 GB subcontractors
Total cost for training = R 1 660 000

Calculation of penalty
Total number of enterprises to be trained = 6
Total number trained = 4 (2 Shortfall)
Training cost per beneficiary = R1 660 000 / 6 = R 276 666,67 per beneficiary
Penalty = R 276 666,67 x 2 x 30% = R166 000 Excl. VAT

B of Q Item	Description	Unit	Rate	Quantity	Amount (R)
5	**Enterprise Development**				
5.1	Enterprise Development of Targeted Enterprise or JV partners				
5.1.1	Appointment of training co-ordinator	Per Quarter	45 000	8	360 000
5.1.2	Appointment of Mentor /Training Service provider	Per Quarter	135 000	8	1 080 000

B of Q Item	Description	Unit	Rate	Quantity	Amount (R)
5.1.3	Needs Analysis and Enterprise Development Plan per Targeted Enterprise	No.	5 000	6	30 000
5.1.4	Monitoring and Interim reporting per targeted enterprise	Per Quarter	20 000	8	160 000
5.1.5	Project Completion report per Targeted Enterprise	No.	5 000	6	30 000
	Provisional Sum to be carried over to CPG bill of quantities				**1 660 000**

"Contract amount" Tender amount excl. allowances and VAT.	130 000 000	
CPG Monetary value (5%) to be subcontracted to beneficiaries for training	6 500 000	
No of enterprises based on the CPG value	6	Grade 1 / 2 GB/CE,ETC.
Contract period (months)	24	

Note: Rates to be determined by PQS and adjusted to accepted quotation amounts

1.5 Cidb BUILD Programme: Skills Development (Principal contractor including subcontractors and consultants)

When applicable, the contract skills development participation goals, expressed in Rand, shall be no less than the "contract amount" multiplied by a percentage (%) factor for the applicable class of construction works.

The monetary value of training to be provided is stipulated in the CPG BoQ section. The number of beneficiaries to be trained is dependent on the "Contract Amount" as well the number of beneficiaries appointed which will generally resort under the Grade 1 and 2 cidb categories. The provisional amount will therefore be adjusted in terms of the "Contract Amount", the number of beneficiaries to be trained from which *Method* and the actual cost for providing the training.

CPG Calculation

Table 2: Contracting skills development goals for different classes of engineering and construction works contracts

Source: cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020 (Page 7)

Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004		Construction skills development goal (CSDG) (%)
Designation	**Description**	
CE	Civil Engineering	0.25
CE and GB	Civil engineering and General Building	0.375
EE	Electrical Engineering works (buildings)	0.25
EP	Electrical Engineering works (infrastructure)	0.25
GB	General Building	0.5
ME	Mechanical Engineering works	0.25
SB	Specialist	0.25

"Contract amount" = Tender amount at the time of award excluding allowances and expenses, and VAT

Contractor CPG:

CPG calculation
"Contract amount" x factor from Table 3 above.

CPG calculation example:
"Tender Amount" = R150 Mil for GB, all inclusive of allowances and VAT
"Contract Amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
Factor for GB = 0,5% (as per Table 2 above)
CPG in R value = R130 Mil x 0,5% = R650 000 i.e. total notional cost of training to amount to R650 000

Calculation of penalty:
Percentage penalty applicable = 30% as specified in the Scope of Works (PG01.2)
CPG value = R650 000

Achieved = R550 000 = R100 000 Shortfall
Penalty = R100 000 x 30% = R30 000 Excl. VAT

Calculations based on "Contract Amount" after bid award and appointment of beneficiaries
Actual CPG training requirement value after award upon selecting method/s of training and appointment of beneficiaries = R676 000 (Table 4 below) and the provisional amount allowed for to be adjusted accordingly. The new monetary value of training required will then form the basis for determining penalties applicable. No penalties will be applied should the CPG value, based on the "Contract Amount" be achieved.

Table 4: Notional cost recalculation upon appointment of beneficiaries.
Source: cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020 (Page 10)

Skills Types	Number of learners	Notional Cost / Learner / Quarter	Notional cost / learner / year	Total Notional Cost over 12 months Contract
Method 2: Workplace learning opportunities, with unemployed TVET graduates	2	R23 000	R92 000	R184 000
Method 3: Candidacy for an unemployed learner with a 3-year qualification	2	R61 500	R246 000	R492 000
Total	4			R676 000

Note: the required CPG will be recalculated based on the awarded Tender amount and "Contract Amount" once the beneficiaries have been appointed and actual costs are known

Note: The notional cost of providing training opportunities will increase by CPI on an annual basis based on April CPI as published by Stats SA. The rates will be adjusted as an adjustment to the provisional amounts should the rates increase after bid award or during the construction period

1.6 National Youth Service Programme (NYS) CPG

When applicable, a separate NYS Bill of Quantities will be included in the tender documentation will indicate the number of beneficiaries to be trained.

Calculation of penalty:
Payment reduction per person not trained as stipulated in the NYS Bill of Quantities = R 2 500 per person.
Total number of NYS Beneficiaries as stipulated in the NYS Bill of Quantities = 25
Total Number of NYS beneficiaries trained = 20 (shortfall of 5 beneficiaries)
Penalty = 5 x R2 500 = R12 500 Excl. VAT

1.7 Labour Intensive Works CPG

When applicable, the work to be done by way of Labour intensive methods are specified in the Bills of Quantities with a "LI".

CPG calculation example:
"Tender Amount" = R150 Mil all inclusive of allowances and VAT
"Contract Amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
CPG value = R10 Mil (Total value of labour-intensive works specified in the Bills of Quantities)

Calculation of penalty:
CPG value = R10 Mil
Percentage penalty applicable = 30% as specified in the Scope of Works (PG01.2)
CPG Achieved = 9 Mil (R1 Mil shortfall)
Penalty = R1 Mil x 30% = R300 000 Excl. VAT

OHS Specification

public works
& infrastructure
Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

WESTERN CAPE

CAPE TOWN

PARLIAMENTARY COMPLEX PARLIAMENT KITCHENS: UPGRADE AND RECONFIGURATION OF VARIOUS KITCHENS INCLUDING REPLACEMENT OF EQUIPMENT AND ASSOCIATED WORKS

WCS 054967

CPT 1004/25

Health and Safety Specification

OCCUPATIONAL HEALTH AND SAFETY ACT

AND

REGULATIONS

PRE-CONSTRUCTION HEALTH AND SAFETY SPECIFICATION

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1. INTRODUCTION AND BACKGROUND

1.1 Background to the Pre-Construction Health and Safety Specification

1) The Construction Regulations of February 2014 in terms of Regulation 5 (1)(b) places the onus on the Client to prepare a Pre-Construction Health and Safety Specification, highlighting all risks not successfully eliminated during design. Section 37.2 of the Act, Act 85 of 1993 requires the Department of Works as an Employer to enter into a written agreement with the Contractor (Mandatory) as far as arrangements and procedures are concerned to ensure that the Contractor complies with the requirements of the Act, Act 85 of 1993 and all its Regulations.

2) This document serves to address all the above mentioned requirements and by submission of his/her tender the Contractor undertakes to abide with the conditions as stipulated by the Department of Works hereinafter referred to as the Client throughout this document.

3) This documentation will give the Client or its duly appointed representative the required information to be able to evaluate the Contractors competency and resources as is required by Regulation 5(1)(h) of the Construction Regulations of February 2014 and to determine his/her suitability to perform such work in a safe and healthy manner.

4) When submitting his/her tender the Contractor must supply the Client with the following:

- A detailed Site Safety Plan indicating how the contractor will manage all Safety, Health and Environmental aspects whilst working on the Clients premises or on premises under his/her control, which must be based on the contents of this document as is required by Regulation 7(1)(a) of the Construction Regulations of February 2014.

- A Cost breakdown of funds being allocated to make adequate provisions for Safety, Health and Environmental requirements as is required by Regulation 5 (1)(g) of the Construction Regulations of February 2014.

5) No approval or acceptance of any document required by this specification shall be construed by the Contractor as an absolvent of the Contractor from achieving the required level of performance and compliance with legal requirements whatsoever.

6) The Contractor is an employer in his/her own right and therefore must assume all the responsibilities as required from any legal obligation imposed on him or her.

1.2 Purpose of the Pre-Construction Health and Safety Specification

To assist in achieving compliance with the Occupational Health and Safety Act 85/1993 and the now promulgated Construction Regulations of February 2014 in order to reduce incidents and injuries.

To enable the effectiveness of the incorporated health and safety standards in regulations and thus comply with SANS requirements in terms of Occupational Health and Safety Act No.85 of 1993 section 44 of the act.

The Pre-Construction Safety, Health and Environmental Specification sets out the requirements to be followed by the Principal Contractor and other Contractors so that the Health and Safety of all persons potentially at risk and the potential risk to the environment may receive the same priority as other facets of the project such as Scope, Time, Cost and Quality.

1.3 Implementation of the Pre-Construction Health and Safety Specification

This specification forms an integral part of the contract, and the Contractor is required to use it at pre-tender phase when drawing up his/her project-specific Construction Phase Health and Safety Plan as indicated above. The Principal Contractor shall forward a copy of this specification to all Sub-Contractors at their bidding stage so that they can in turn prepare Health and Safety Plans relating to their operations.

2. PRE-CONSTRUCTION HEALTH AND SAFETY SPECIFICATION

2.1 SCOPE

This Specification covers the requirements for eliminating and mitigating incidents and injuries on the particular project.

The scope also addresses legal compliance, hazard identification and risk assessment, risk control, and promoting a Health and Safety culture amongst those working on the project. The specification also makes provision for the protection of those persons other than employees.

2.2 Contractual Issues

1) Due to fact that this document is based on legislative requirements the Client requires that all Contractors comply with the requirements of this document and all other relevant legislative requirements not covered by this document.

2) The Client or its duly appointed representative reserves the right to stop any contractor from working whenever Safety, Health or Environmental requirements are being violated. Any resultant costs of such work stoppages will be for the Contractors account.

3) The requirements as specified by the Client in this document must not be deemed to be exhaustive and the Client reserves the right to make changes as and if the Client deems fit.

4) The Client will not entertain any claim of any nature whatsoever which has come about as result of costs incurred or delays being experienced due to the Contractor not complying with the requirements of this document or any other applicable legislative requirements imposed on the Contractor.

2.3 Safety, Health and Environmental Standards and Procedures

1) The Contractor will ensure that all work performed by him/her is executed in accordance with work procedures which comply with accepted safety practices and applicable safety, health and Environmental legislation.

2) Procedures as indicated above may be the Contractors own procedures on condition that they comply with the conditions as stipulated above.

3) Where procedures have been specified by this Client in the contents of this document such procedures must be adhered to unless otherwise agreed to with the Client or it's duly appointed representative.

2.4 Interpretations

2.4.1 APPLICATION

This specification is a compliance document drawn up in terms of South African legislation and is therefore binding. It must be read in conjunction with relevant legislation as noted previously.

2.4.2 DEFINITIONS

1) The definitions as listed in the Occupational Health and Safety Act 85/1993 and Construction Regulations of February 2014 shall apply unless otherwise stipulated.

2) Any reference to "The Contractor" includes – the Principal and Sub - Contractor unless otherwise stipulated.

2.5 Minimum Administrative Requirements

2.5.1 Notification of Intention to Commence Construction Work

1) The Contractor shall notify the Provincial Director of the Department of Labour in writing before construction work commences if required in the format of Annexure 2. A copy of this notification must be forwarded to the Client prior to the commencement of Construction work.

2) Copies of such notification can be obtained from any Department of Labour Office.

2.5.2 Assignment of Contractor's Responsible Persons to Supervise Health and Safety on Site.

1) The Contractor shall submit in the format of Annexure B, proof of all supervisory as well as any other relevant appointments as is required by the OHS Act and the Construction Regulations.

2) It is acknowledged that the Contractor may need to allocate more than one appointment to certain staff members. This practice may only take place if Safety, Health and Environmental Standards would not be negatively affected.

3) Should the Client or its representative deem such practice as having a negative effect on Safety, Health and Environmental Standards, then alternative arrangements will have to be made.

4) It is a specific requirement for this project that a competent Health and Safety Officer registered with SACPCMP be appointed for the project on a full time basis for the duration of the Project.

2.5.3 Competency of Contractor's Appointed Competent Persons

1) Contractors' competent persons for the various risk management portfolios shall fulfill the criteria as stipulated under the definition of "Competent Person" in accordance with the Construction Regulations of February 2014 and the Occupational Health and Safety Act, Act 85 of 1993.

2) The Client reserves the right to require levels of Competency, which exceeds the requirements as stipulated by the Act and or Construction Regulations.

3) In the event of the Client requiring additional levels of Competency, alternative arrangements will have to be made.

2.5.4 Compensation of Occupational Injuries and Diseases Act, Act 130 of 1993 (COID ACT)

1) The Contractor warrants that his and all his workmen are fully covered in terms of the COID, Act 130 of 1993 and that such cover shall remain in force for the duration of his contractual relationship with the Client or whilst working on the Clients premises or premises under the Clients control.

2) The Contractor will supply proof of such insurance cover to the Client with his/her tender submission.

3) The Contractor undertakes to ensure that all Sub-Contractors appointed by him/her will be fully covered in terms of the COID Act, Act 130 of 1993 and that such cover shall remain in force for the duration of their contractual relationship with the Contractor

4) The Contractor must also ensure that he has additional insurance cover that will adequately make provisions for any losses and/or his employee's acts and/or omissions whilst working on the Clients premises or on premises under the client's control.

2.5.5 Occupational Health and Safety Policy

1) The Contractor shall submit a Health and Safety Policy signed by the Chief Executive Officer.

2) The Policy must outline objectives and how they will be achieved and implemented by the Company / Contractor.

3) A copy of such policy must be included in the Site Safety Plan and the Site Safety File.

2.5.6 Health and Safety Organogram

1) The Contractor shall submit an Organogram, outlining the Health and Safety Site Management Structure including the relevant appointments / competent persons.

2) In cases where appointments have not been made, the organogram shall reflect the intended persons to be appointed to such positions.

3) The organogram shall be updated when there are any changes in the Site Management Structure.

2.5.7 Preliminary Hazard Identification and Risk Analysis and Progress Hazard Identification and Risk Analysis

1) A Preliminary Hazard Identification and Risk Analysis was conducted and can be found in the format of Annexure D. This Hazard Identification and Risk Analysis was performed to make the Contractor aware of potential Hazards, which could be present on the site and may not be comprehensive.

2) The Contractor shall cause a Hazard Identification and Risk Analysis exercise to be performed by a Competent Person before commencement of construction work, and the assessed risks shall form part of the Construction Phase Health and Safety Plan submitted for approval by the Client. The Risk Assessment must include:

a) A list of hazards identified as well as potentially hazardous tasks;
b) A documented risk assessment based on the list of hazards and tasks;
c) A set of safe working procedures to eliminate, reduce and/or control the risks assessed;
d) A monitoring and review procedure of the risks assessment as the risks change.

3) The Principal Contractor shall ensure that all Contractors are informed, instructed and trained by a Competent Person/s regarding hazards, risks and related safe work procedures before any work commences and thereafter at regular intervals as the risks change and as new risks develop.

4) The Contractor shall be responsible for ensuring that all persons who could be negatively affected by its operations are informed and trained according to the hazards and risks and are conversant with the Safe Work Procedures, control measures and other related rules (tool box talk strategy to be implemented and so on).

5) Should the Client or its duly appointed Representative identify alternative hazardous activities performed by the Contractor or its Sub-Contractors on site for which a Risk Assessment was not performed then the contractor will be required to perform such an exercise before continuing such work.

2.5.8 Health and Safety Representative(s)

1) The Contractors shall ensure that Health and Safety Representative(s) are appointed under consultation and trained to carry out their functions.

2) The appointments must be in writing and the Health and Safety Representative shall carry out regular inspections, keep records and report all findings to the Responsible Person forthwith and at Health and Safety meetings.

2.5.9 Health and Safety Committees

The Principal Contractor shall ensure that project Health, Safety and Environmental meetings are held monthly or as deemed necessary by the project requirements.

1) Minutes must be kept on record and filled in the Site Health and Safety File.
2) Meetings must be organized and chaired by the Principal Contractors' Responsible Person.

2.5.10 Health and Safety Training

2.5.10.1 **Induction**

1) The Principal Contractor shall ensure that all site personnel undergo a site-specific Health and Safety Induction Training Session before starting work. A record of attendance shall be kept in the Health and Safety file. **A suitable venue must be supplied to provide this training.**

2) All visitors to the site must also be subjected to site-specific induction training highlighting items such as steps to follow in the event of an emergency, restricted areas and so on.

2.5.10.2 **Awareness**

The Principal Contractor shall ensure that, on site, periodic toolbox talks take place daily. These talks should deal with risks relevant to the construction work at hand. A record of attendance shall be kept in the Health and Safety File. All Contractors have to comply with these minimum requirements.

2.5.10.3 **Competency**

1) All competent persons shall have the knowledge, experience, training, and qualifications specific to the work they have been appointed to supervise, control, and carry out.

2) The abovementioned competency requirements will be assessed on a regular basis by the Client, by means of Audits, Progress Meetings, and any other means deemed fit by the Client.

3) The Principal Contractor is responsible to ensure that competent Contractors are appointed to carry out construction work and records should be kept of criteria used to determine competency.

4) The Client reserves the right to require competencies which may exceed the Contractors standards in which case alternative arrangements will have to be made to meet the Clients requirements.

2.5.11 General Record Keeping

1) The Contractors shall keep and maintain Health and Safety records to demonstrate compliance with this Specification, with the OHS Act 85/1993; and with the Construction Regulations of February 2014.

2) The Contractor shall ensure that all records of incidents/accidents, training, inspections, audits, and so on are kept in a Health and Safety file held in the Site Office.

3) The Principal Contractor must ensure that every Contractor opens his/her own Health and Safety file, maintains the file and makes it available on request by any duly authorized person.

4) The principal contractor or sub-contractor that has more than 5 staff members on site will be required to have the full version of Occupational Health and Safety Act and Regulations 85 of 1993 on site.

2.5.12 Health and Safety Audits, Monitoring and Reporting

1) The Client shall conduct monthly Health and Safety audits of the work operations including a full audit of physical site activities as well as an audit of the administration of Health and Safety.

2) The Principal contractor is obligated to conduct similar audits on all Contractors appointed by him/her.

3) Detailed reports of the audit findings and resultant corrective measures shall be reported on at all levels of project management meetings/forums.

4) Copies of the Clients audit reports will be forwarded to the Contractor and must be kept in the Site Health and Safety File.

5) The Principal Contractor must audit the activities and administration of all appointed Sub-Contractors, forward a copy to the Client or its representative within seven days of completion of the audit and file a copy on the Site Safety File.

2.5.13 Emergency Procedures/Plans

1) The Principal Contractor shall submit a detailed Emergency Procedure/Plan for approval by the Client prior to

commencement of work on site. The procedure shall detail the response plan/s including the following key elements:

- List of key competent personnel;
- Details of emergency services;
- Actions or steps to be taken in the event of the specific types of emergencies;
- Information on hazardous material/situations.

2) Emergency Procedures/Plans shall include, but shall not be limited to, fire, spills, use of hazardous substances, bomb threats, major incidents/accidents major and minor and any other anticipated emergencies.

3) The Principal Contractor shall advice the Client in writing forthwith, of any emergencies, together with a record of action taken. A contact list of all service providers (Fire Department, Ambulance, Police, Medical and Hospital, etc) must be maintained and be available to site personnel.

4) Emergency procedures/Plans must be developed by a competent person such as a Safety, Health and Environmental Officer or in the absence of a Safety, Health and Environmental Officer by the Construction Work Supervisor.

5) Emergency Procedures/Plans must form part of the Agenda of monthly safety meetings as the Procedures/Plans would have to be revisited on a continuous basis due to the changing environment on construction sites.

2.5.14 First Aid Boxes and First Aid Equipment

1) All Contractors shall appoint in writing First Aider(s) in terms of legislative requirements.

2) The appointed First Aider(s) must be sent for accredited first aid training should they not have received such training prior to commencement of work on site.

3) Valid certificates to be kept on site in the Site Safety File.

4) The Principal Contractor shall provide an on-site First Aid Station with first aid facilities, where required, including first aid boxes adequately stocked at all times.

5) All Contractors with more than 5 employees shall supply their own first aid box

6) In the event of hazards chemical substances being present on site, first aiders must be trained to address any incidents of accidental exposure and their first aid kits stocked accordingly

2.5.15 Accident / Incident Reporting and Investigation

1) Injuries are to be categorized into the following categories:

   1) first aid;
   2) medical;
   3) disabling; and
   4) fatal injuries.

2) All Contractors have to report on the 4 categories of injuries to the Principal Contractor as soon as is reasonably practicable.

3) The Principal Contractor must stipulate in his/her construction phase Health and Safety plan how he/she will handle each of these categories.

4) When reporting injuries to the Client, these categories shall be used.

5) All injuries will be investigated by the Principal Contractors or his/her Competent Person, with a report being forwarded to the Client forthwith.

6) The Principal Contractor must report all injuries to the Client in the form of a detailed injury report at least monthly.

7) All incidents taking place in terms of Section 24 of the Act must be reported in the prescribed period and manner to the Department of Labour.

8) Copies of Section 24 reports, including WCL 1 & 2 forms must be forwarded to the Client immediately after completion.

2.5.16 Hazards and Potential Situations

1) The Principal Contractor shall immediately notify other Contractors as well as the Client of any hazardous or potentially hazardous situations that may arise during performance of construction activities.

2) Should a hazardous situation require work stoppages the work must be stopped and corrective steps taken such as Written Safe Work Procedures and issuing of Personal Protective Equipment.

2.5.17 Personal Protective Equipment (PPE) and Clothing

1) The Contractor shall ensure that all workers are issued and wear Hard Hats, Safety Boots/Shoes and Overalls.

2) The Contractor and all Contractors shall make provision and

keep adequate quantities of SABS approved PPE on site at all times.

3) The Contractor shall clearly outline procedures to be taken when PPE or Clothing is:

- Lost or stolen;
- Worn out or damaged.

4) The above procedure applies to Contractors and their Sub-Contractors.

5) The Contractor must ensure that no person enters the Site without the required Personal Protective Equipment.

6) Visitors to the Site must be provided with the required PPE such as Hard Hats, Earmuffs and Eye Protection.

7) Records of all PPE issued to staff must be kept on site in the Site Safety File.

8) Employees are to be made conversant with the purpose of PPE and where and when it is required to be used by the employee.

9) Safety belts are not to be allowed on site due to its associated potential of injury to the user; only double lanyard safety harnesses are permitted.

11) Suitable eye protection must at all times be worn by the worker when performing grinding, chipping, chasing and other associated activities.

12) In the event that onlookers may be struck by flying objects as a result of work being performed, suitable screens must be erected.

13) Any person performing welding or brazing work will wear suitable eye protection, gloves, aprons, and spats. Suitable screens are to be provided to protect onlookers from the harmful rays associated with such activities.

14) Where employees are required to work with corrosive liquids, suitable eye protection, gloves and acid resistant overalls must be provided.

15) Ear protection must be worn in designated noise zone (in excess of 85dB)

16) Suitable respirators must be provided to all employees and visitors required working in or entering areas where toxic vapors could be present.

17) All staff working in an elevated position (2m or higher) or where the potential exists that such person may fall must be provided with a suitably secured safety harness.

18) Any person refusing to wear personal Protective Equipment must be instructed to wear such equipment and in the event of such person refusing to wear such equipment he/she must be removed from the premises.

2.5.18 Occupational Health and Safety OHS Signage

1) The Contractor shall provide adequate on-site OHS signage including but not limited to: "no unauthorized entry", "report to site office", "site office", "beware of overhead work", "hard hat area".

2) Signage shall be posted up at all entrances to the site as well as on site in strategic locations e.g. access routes, stairways, entrances to structures and buildings, scaffolding, and other potential risk areas/operations.

3) In the event where work is being performed on a premises displaying signage such as no-parking, speed limits and so on, the Contractor will abide by the requirements of such signage except if otherwise instructed.

2.5.19 Permits

1) The Contractor shall draft and implement where required permits which may include the following:

- Use of Explosives and Blasting;
- Work for which a fall prevention plan is required;
- Use of cradles, and
- Electrical work
- Hot works

2) The Contractor will ensure that where permits are required that it is used and adhered to.

2.6 Physical Requirements

2.6.1 Demolition Work

1) Prior to any demolition work being carried out, the Principal Contractor shall submit a safe working procedure and a detailed engineering survey for approval by the Client.

2) Such Safe Work Procedures' must where possible be submitted with the Site SHE Plan

3) Acceptance will then be issued to the Principal Contractor to proceed with the demolition work.

4) The Principal Contractor shall ensure that demolition work complies with the Construction Regulations of February 2014.

5) In the event where a structure identified for demolition includes substances such as lead or asbestos it must be performed within the requirements of the applicable legislative.

6) It is the Principal Contractor responsibility to locate and determine where all underground services are and make safe before any excavating, digging etc. is done

2.6.2 Excavations, Shoring, Dewatering or Drainage

1) All excavation work must be performed under the supervision of a Competent Person as specified in Annexure B of this document and the Construction Regulations of July 2003.

2) Adequate Shoring and Bracing must be provided where required to ensure that the health and safety of the employees working in such excavations are not put at risk.

3) Adequate provisions must be made to ensure that water is drained from excavations which may enter such excavations as a result of seepage or rain.

4) All excavation made by the Contractor must be clearly demarcated and protected to prevent accidental access.

5) Barricading tape may only be used to make solid barricading more visible and may not be used as a means of barricading.

6) In addition to the abovementioned the requirements of Regulation 11 of the Construction Regulations of July 2003 must be adhered to.

2.6.3 Edge Protection .

1) All open edges posing the risk of resulting in injuries or damage to equipment must be adequately guarded fenced or barricaded or other similar suitable means used to prevent injuries or damage to equipment.

2) Barricading tape is not deemed to be suitable and may only be used in addition to other suitable means as indicated above.

2.6.4 Explosives and Blasting

1) All explosives must be transported or stored according to the requirements of SANS 0228.

2) Written approval must be obtained from the Chief Inspector Occupational, Health and Safety prior to any blasting activities taking place.

3) A copy of such permission from the Chief Inspector Occupational, Health and Safety must be supplied to the client prior to Blasting.

4) Prior to blasting a siren must be sounded, warning flags posted and guards placed at strategic locations points to prevent accidental entry to the blasting area.

2.6.5 Stacking of Materials

1) Stacking and storage of materials must be performed under the Supervision of a Competent Person whom has been appointed in writing as required by Annexure B.

2) Storage areas must be designated, kept neat and under control. In addition to the abovementioned the requirements of General Safety Regulations as promulgated by Government Notice No R1031 dated 30 May 1986 as amended must be complied with.

3) In the event that unauthorized persons may enter an area where materials are stacked such area must be barricaded off to prevent access to such area.

2.6.6 Speed Restrictions and Protections

1) Unless otherwise stipulated the speed limit on site to be adhered to is 10 Km/h.

2) Vehicle movement routes on site must be clearly indicated where applicable.

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

2.6.7 Hazardous Chemical Substances (HCS)

1) All employees required to use Hazardous Chemical Substances or products containing Hazardous Chemical Substances must be adequately and comprehensively trained with regard to the requirements of the Hazardous Chemical Substances Regulations as amended in Government Gazette No 25130 of June 2003, the potential sources of exposure and the potential risks to their health caused by exposure.

2) In addition to the abovementioned, Material Safety Data Sheets must be kept on site for all materials, which may contain hazardous chemical substances.

2.6.8 Asbestos

1) Asbestos work may only be performed subject to prior notification of the Provincial Director, Occupational Health and Safety, Department of Labour, in writing.

2) Proof of such notification must be supplied to the Client prior to work proceeding.

3) All asbestos work shall be carried out as per the Asbestos Abatement Regulations by an approved Asbestos Contractor.

4) All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Abatement Regulations as published in Government Gazette 23108 of November 2020, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Abatement Regulations as indicated above.

5) All asbestos will be removed from site by an approved asbestos contractor to an approved asbestos dump site. Certificate must be issued on completion on removal of all asbestos on site indicating that the site is clear of all asbestos.

2.7 Plant and Machinery

2.7.1 Construction Plant

1) All Construction Plant must comply with and be used in conjunction with the requirements of Section 23 of the Construction Regulations and in specific that all records of inspections rendering such plant safe must be kept on site.
2) Operators will be competent and trained and copies of training certificates shall be placed on the health and safety file on site.
3) Operators shall be in possession of medical certificate declaring that they are physically and psychologically fit to operate such construction vehicle and plant and copy of medical certificate shall be on the file.
4) Original operating and medical certificates shall be kept by the operators and shall be on site in-possession of the operators at all times.

2.7.2 Vessels under Pressure (VUP)

The Principal Contractor and all relevant Contractors shall comply with the Vessels under Pressure Regulations, including:

- Providing competency and awareness training to the operators;
- Providing PPE or clothing;
- Inspecting equipment regularly and keeping records of inspections;
- Providing appropriate firefighting equipment.

2.7.3 Fire Extinguishers and Fire Fighting Equipment

1) The Principal Contractor and Sub Contractors shall provide or ensure adequate provision of regularly serviced firefighting equipment located at strategic points on site, specific to the classes of fire likely to occur.

2) The appropriate notices and signs must be posted up as required.

3) Contractors may not utilize fire protection equipment belonging to the client without prior consent.

2.7.4 Hired Plant and Machinery

1) The Contractor shall ensure that any hired plant and machinery used on site is safe for use.

2) The requirements as stipulated by the OHS Act 85/1993 and Construction Regulations of February 2014 shall apply.

3) The Principal Contractor shall ensure that operators hired with machinery are competent and that certificates are kept on site in the Site Health and Safety File. All relevant Contractors must ensure the same.

2.7.5 Scaffolding / Working at Heights

1) Working at heights includes any work that takes place in an elevated position in excess of 2m.

2) The Contractor must submit a risk-specific fall prevention plan and include a rescue plan in accordance with the Construction Regulations of February 2014 before this work is undertaken.

3) The fall prevention plan must be approved by the Client before work may commence.

2.7.6 Formwork and Support Work for Structures

1) The Principal Contractor shall ensure that the provisions of Section 10 of the Construction Regulations of February 2014 are adhered to.

2) These provisions must include but not be limited to ensuring that all equipment used is examined for suitability before use; that all Formwork and Support Work is inspected by a competent person immediately before, during and after placement of concrete or any other imposed load and thereafter on a daily basis until the Formwork and Support Work has been removed.

3) Records of all inspections must be kept in a register on site.

2.7.7 Lifting Machines and Tackle

1) The Contractor shall ensure that lifting machinery and tackle is inspected before use and thereafter in accordance with the Driven Machinery Regulations and the Construction Regulations (Section 20).

2) There must be a competent appointed lifting Machinery and Tackle Inspector on site who must inspect the equipment daily or before use, taking into account that:

- All lifting machinery and tackle has a safe working load clearly indicated;
- Regular inspection and servicing is carried out;
- Records are kept of inspections and of service certificates;
- There is proper supervision in terms of guiding the loads that includes a trained banksman to direct lifting operations and check lifting tackle;
- The tower crane bases have been approved by an engineer;
- The operators are competent as well as physically and psychologically fit to work and be in possession of a medical certificate of fitness which must be available on site.

2.7.8 Ladders and Ladder Work

1) The Contractor shall ensure that all ladders are inspected at least monthly, are in a good safe working order, are the correct height for the task, extend at least 1m above the landing, fastened and secured, and at a safe angle.

2) Records of inspections must be kept in a register on site.

2.7.9 General Machinery

The Contractor shall ensure compliance with the Driven Machinery Regulations, which include inspecting machinery regularly, appointing a competent person to inspect and ensure maintenance, issuing PPE or clothing, and training those who use machinery.

2.7.10 Portable Electrical Tools and Explosive Powered Tools

1) The Contractor shall ensure that use and storage of all explosive powered tools and portable electrical tools are in compliance with relevant legislation.

2) The Contractor shall ensure that all electrical tools, electrical distribution boards, extension leads, and plugs are kept in a safe working order.

3) The Contractor shall apply the following:

- A competent person undertakes routine inspections and records are kept.
- Only authorized trained persons use the tools.
- The safe working procedures apply.
- Awareness training is carried out and compliance is enforced at all times.
- PPE and clothing is provided and maintained.
- A register indicating the issue and return of all explosive rounds is implemented and maintained, and
- That signs are posted up in the areas where explosive powered tools are being used.

2.7.11 High Voltage Electrical Equipment

1) All contractors must be made aware of the presence and location of High Voltage Equipment such as underground cables and overhead lines, and that the necessary precautionary steps are taken where work has to be executed in the vicinity of such equipment.
2) Precautionary measures such as Isolation and Lock-Out of electrical systems or the use of electrically isolated tools must be used.

2.7.12 Public and Site Visitor Health and Safety

1) The Contractor shall ensure that every person working on or visiting the site, as well as the public in general, shall be made aware of the dangers likely to arise from site activities, including the precautions to be taken to avoid or minimize those dangers.

2) Appropriate Health and Safety Notices and signs shall be posted up, but shall not be the only measure taken.

2.7.13 Night Work

The Contractors must ensure that adequate lighting is provided to allow for work to be carried out safely.

2.7.14 Transportation of Workers

1) The Contractor and shall not:

- Transport persons together with goods or tools unless there is an appropriate area or section to store such goods.
- Transport persons on the back of trucks except if a proper canopy (properly covering the sides and top) has been provided with suitable seating areas.
- Permit workers to stand or sit on the edge of the transporting vehicle.
- Transport workers in LDV's unless they are closed/covered and have the correct number of seats for the passengers.

2) No driver will transport more than six people on the back of a 1 Ton LDV and more than four passengers on the back of a ½ Ton LDV.

3) The driver of any LDV will not permit more than 2 passengers to occupy the cab of any single cab LDV and 4 passengers of any double cab LDV.

4) All vehicles operated on the site will in all aspects comply with the requirements of the Road Traffic Ordinance Act

5) Drivers of such vehicles will have a valid license for the code of vehicle being driven by them.

6) No servicing of vehicles will be permitted on a Construction Site, which is occupied by staff working for the Client.

7) Servicing or repairs of vehicles on site may only take place if such activities are performed with the necessary procedures in place to prevent any harmful effects to the environment.

8) All waste generated from servicing vehicles must be disposed off in accordance with relevant Environmental legislation.

9) In the event where Earth Moving Equipment is present on site the following must be adhered to:

   - Drivers of vehicles must be instructed to avoid parking behind earth moving vehicles to ensure that their vehicles are visible to the operator of earth moving vehicles.
   - Right of way must be afforded to earth moving machinery at all times.
   - Vehicles must only be permitted to park where possible in designated areas

2.8 Occupational Health and Environmental Management.

2.8.1 Occupational Hygiene

1) Exposure of workers to occupational health hazards and risks is very common in any work environment, especially in construction.

2) Occupational exposure is a major problem and all Contractors must ensure that proper health and hygiene measures are put in place to prevent exposure to these hazards.

3) Contractors must prevent inhalation, ingestion, absorption, and noise induction.

4) Site-specific health risks are tabled in Annexure D such as cement -dust, wood-dust, noise and so on but is not limited to these items.

5) Water to be utilized for drinking purposes may only be drawn from taps designated for drinking water purposes. Fire hydrants and fire hose reels may not be utilized for drinking water purposes.

6) In the event where staff is required to be away from home due to the work they have to perform on behalf of the Contractor, the Contractor will provide suitable clean dry and hygienic accommodation, the cost thereof shall be borne by the Contractor.

2.8.2 Environmental Management

1) The Contractor shall take all precautionary steps to prevent any pollution of the Environment.

2) Any material, which may pose a harmful effect when disposed of by normal means, must be disposed of in an appropriate manner to eliminate its harmful effect on the environment after disposal.

3) The Contractor will ensure that adequate procedures are implemented and maintained to ensure that all waste generated including asbestos waste is placed in suitable receptacles and removed from the site promptly.

4) Plans to deal with spillages must be in place and maintained.

5) No waste materials liquid or solid may be disposed of in drains.

6) No burning of waste material may take place where such material being burned may result in pollution of the air or give

off toxic vapors which could be harmful to the health of employees or any other person present on site.

2.8.3 Welfare Facilities

1) Contractors will supply sufficient toilets (1 toilet per 30 workers). Toilets will be so positioned that it is in close proximity of the workers. If more toilets are required contractors must make provision for this.

2) Showers (1 for every 15 workers).

3) Changing facilities.

4) Hand washing facilities, soap, toilet paper, and hand drying materials.

5) Waste bins must be strategically placed and emptied regularly.

6) Safe, clean storage areas must be provided for workers to store personal belongings and personal protective equipment.

7) Workers must not be exposed to hazardous materials/substances while eating and must be provided with sheltered eating areas.

2.8.4 Alcohol and other Drugs

1) No alcohol and other drugs will be allowed on site without the express permission of the Principal Contractor.

2) No person may be under the influence of alcohol or any other drugs while on the construction site.

3) Any person on prescription drugs must inform his/her Employer, who shall in turn report this to the Principal Contractor forthwith.

4) Any person suffering from any illness/condition that may have a negative effect on his/her safety performance must report this to his/her Employer, who in turn must report this to the Principal Contractor forthwith.

5) Any person suspected of being under the influence of alcohol or other drugs must be sent home immediately, to report back the next day for a preliminary inquiry. A full disciplinary procedure must be followed by the Contractor concerned and a copy of the disciplinary action must be forwarded to the Principal Contractor for his records.

2.9 Electrical fencing.

1) Contractor must comply with sect 12, 13 and 14 of the Electrical Machinery Regulations.

2.10 Managing Exposure to SARS-COV-2

1) On the expiry of the declaration of the National State of Disaster under GN313 OF 15 March 2020, Notice No.R.1876 has been issued for the provision of Good Code of Practice: Managing Exposure to SARS-COV-2 in the Workplaces.

2) The Regulations for Hazardous Biological Agents, 2022 (HBA Regulations) list coronavirus as a listed hazardous biological agent, classed as group 3. It therefore places legal responsibilities on employers in respect of employers to limit the exposure and mitigate the risks of infection by SARS CoV-2.

ANNEUXRE A

The Contractor must submit proof of compliance with Annexure A with the construction phase H&S plan where applicable.

HSS Item No.	Requirement	OHSA Requirement	Submission Date
2.3.1	Notification of Intention to Commence Construction/Building Work	Complete Annexure 2 (Construction Regulations)	Before commencement on site
2.3.2	Assignment of Responsible Persons	All relevant appointments as per OHS Act, Con Regs and Annexure B	Together with SHE Plan
2.3.3	Competence of Responsible Persons	Client Requirement & OHS Act	Together with SHE Plan
2.3.4	Compensation of Occupational Injuries and Diseases Act (COIDA) 130 of 1993	Construction Reg and Client Requirement	Together with SHE Plan
2.3.5	Occupational Health and Safety Policy	OHS Act	Together with SHE Plan
2.3.6	Health and Safety Organogram	Client Requirement	Together with SHE Plan
2.3.7	Initial Hazard Identification and Risk Assessment	Construction Regs.	Together with SHE Plan

ASSIGNMENT OF CONTRACTOR'S RESPONSIBLE PERSONS

ANNEXURE B

The Principal Contractor shall make the following appointments according to the initial risk assessment or as deemed necessary: (further appointments could become necessary as the project progresses)

Appointment	OHSA Reference	Requirement abbreviated
CEO Assignee	Section 16(2)	A competent person to assist with the on-site H&S, overall responsibility – Contractor's Responsible Person
Construction Manager	CR 8(1)	A competent person(s) to supervise and be responsible of Health & Safety related issues on site. The person is appointed to assist the CEO with his/her overall duties.
Construction Work Supervisor	CR 8(7)	A competent person(s) to supervise and be responsible of Health & Safety related issues on site. The person is appointed to assist the CEO with his/her overall duties.
Subordinate Construction Work Supervisors	CR 8(8)	A competent person to assist with daily supervision of construction work. The person assists the Construction Work Supervisor.
Health and Safety Officer	CR 8(5)	A competent Health and Safety officer in the control of all safety related aspects on site for the duration of the repair phase of this project.
Health & Safety	Section 17	A competent person(s) to inspect H&S in reference to plant, machinery and Health & Safety of persons in the workplace.
Health & Safety Committee Member(s)	Section 19	A competent person(s) representing the employer to assist with the on site Health & Safety matters.
Incident /Accident Investigator	GAR 8	A competent person(s) to investigate incidents/accidents on site and could be: • The employer • H&S Representative • Designated person • Members of the H&S Committee
Risk Assessment Co-ordinator	CR 9	A competent person(s) to co-ordinate all risk assessments on behalf of the Principal Contractor. The same applies to Contractors.
Fall Protection Plan Co-ordinator	CR 10	A competent person(s) to prepare & amend the fall protection plan.
First Aiders	GSR 3	A qualified person(s) to address all on site first aid cases.
Lifting Machine & Equipment inspector	DMR 18	A competent person(s) to inspect lifting machines, equipment & tackle.
Scaffolding Erector	CR 16.1	A competent person(s) to erect scaffolding

Scaffolding Inspector	CR 16.2	A competent person(s) to inspect scaffolding before use and every time after bad weather etc
Temporary Works	CR 12	A competent person(s) to inspect formwork & support work
Excavation Inspector	CR 13	A competent person(s) to inspect excavation work and ensure that approved safe working procedures, are followed at all times
Ladder Inspector	GSR 13A	A competent person(s) to inspect monthly and ensure they are safe for use, keeping monthly record
Stacking Supervisor	CR 28	A competent person(s) to supervise all stacking and storage operations
Demolition Supervisor	CR 14(1)	A competent person(s) to supervise all demolition work
Explosive Powered Tools Inspector/Supervisor	CR 21	A competent person(s) to inspect & clean the tool daily and controlling all operations thereof.
Temporary Electrical Installations Supervisor	CR 24	A competent person(s) to control all temporary electrical installations.
Construction vehicles and Mobile Plant Supervisor.	CR 23(1)(k)	A competent person to inspect vehicles and plant on a daily basis prior to use and record such finding in register.
Fire-Fighting Equipment Inspector	CR 29	A competent person(s) to inspect fire-fighting equipment with required training certificate.

OTHER REQUIREMENTS

ANNEXURE C

The Principal Contractor shall comply but not be limited to the following requirements: report on these to the Client at progress meetings or at least monthly whichever is sooner.

What	When	Output	Accepted by Client & date
Induction training	Every worker before he/she starts work.	Attendance registers	
Awareness Training (Tool Box Talks)	At least weekly	Attendance registers	
Health & Safety Reports	Monthly	Report covering: • Incidents/accidents and investigations • Non conformances by employees & External H&S audit reports	
Emergency procedures	Ongoing evaluation of procedure	Table procedure in writing as well as tel. Numbers	
Risk assessment	Continuous	Documented risk assessment	
Safe work procedures	Drawn up before workers are exposed to new risks	Documented set of safe work procedures (method statements) updated and signed off.	
General Inspections	Weekly & daily	Report OHS Act compliance: • Scaffolding • Excavations • Formwork & support work • Explosive tools	
General Inspections	Monthly	• Fire-fighting equipment • Portable electrical equipment • Ladders • Lifting equipment/slings	
List of contractors	List to be updated weekly	Table list, number of workers and Company tel. Numbers	
Workmen's Compensation	Ongoing	Table a list of Contractors' Workman's Compensation proof of good standing	

Construction site rules & Section 37.2 Mandatory Agreement	Ongoing	Table a report of all signed up Mandatory's	
SARS-CoV-2 – Good Code of Practice reads with HBA	Ongoing	Prepare risk assessment and plan	

ANNEXURE D

Project/site Specific Requirements

The following is a list of activities and considerations that have been identified for the project and site and for which the Risk Assessment, Standard Working Procedures (SWP), management and control measures and Method Statements (where necessary) have to be developed by the Principal Contractor.

- Demolition work
- Brick work
- Concrete work
- Creating openings in walls
- Preparation of paint surfaces
- Painting of walls
- Working with cement products
- Dust
- Metal/Steel work
- Exposure to noise
- Establishment of site office
- Locating of existing services
- Loading and offloading of trucks
- Aggregate/sand and other material delivery
- Protection against dehydration and heat exhaustion
- Manual and mechanical handling
- Lifting and lowering operations.
- Use of Potable electrical Equipment
    - ° Angle grinder
    - ° Electric Drilling Machine
    - ° Skill Saw
- Use and storage of flammable liquids and other Hazardous substances
- Site works
- Excavations
- Electrical installation work
- Mechanical works
- Working in the vicinity of the public and staff of the client
- Working at heights
- Working with construction machinery and plant
- Persons working in close vicinity of construction machinery and plant.
- Hot works i.e. Welding, flame cutting etc.

NOTE:

The above list is by no means exhaustive and should not be limited to these activities but must cover all activities that forms part of the said construction work. Each activity must be split down to individual tasks and all associated hazards identified and listed in the risk assessment. This ensures that the critical tasks and subsequent critical hazards are not missed.

NB: -

Although some of the work related to health and safety work is mentioned /noted in certain measured items in the bill of quantities it is still the contractor's responsibility to allow in his tender price for all work related to health and safety and the requirements as per this Health and Safety Specification.



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

EXPANDED PUBLIC WORKS SPECIFICATION

The following Specification is divided into the following compliance categories that must be fulfilled:-

1. EPWP NYS Specification
2. EPWP Reporting requirements
3. Project Steering Committee
4. Community Liaison Officer
5. Sub-contracting
6. DPW Projects Branding

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SL 01. SCOPE

This project is part of the Expanded Public Works Programme (EPWP) and aims to train young people and provide them with practical work experience under the National Youth Service (NYS) training. Youth aged between 18 and 35 will be recruited through EPWP processes and be trained in skills relevant to the work that will be done on this project.

The training of the youth employed will have to be conducted by an accredited Training Service Provider contracted by a contractor in conjunction with EPWP processes (where EPWP NYS Coordinator will give guidance). The contracted Training Service Provider will have at all times provide the Contractor with an update on youth training each have received.

The Contractor will be required in both training and on site exposure to employ all of the youth for a minimum period of 9 months. Furthermore the Contractor will be required to avail services of an adequately qualified foreman/ supervisor specifically for EPWP NYS youth Participants to act as their construction mentor for the duration of on site training. The contractor may not be required to employ all youth in the programme at the same time, but may phase the youth throughout the project, as long all youth will receive their minimum duration stated earlier.

This specification contains the standard terms and conditions for Participants employed in elementary occupations and training on a Special Public Works Programme (SPWP) for the National Youth Services Programme. These terms and conditions do NOT apply to person's permanent employed in the supervision and management of a SPWP.

SL 02. TERMINOLOGY AND DEFINITIONS

SL 02.01 TERMINOLOGY

02.01.01 **"SPWP" –** The Code of Good Practice for Special Public Works Programmes, which has been gazetted by the Department of Labour, and which provides for special conditions of employment for these EPWP projects. In terms of the Code of Good Practice, the Participants on these projects are entitled to formal training, which will be provided by an accredited training provider/s appointed (and funded) by the Department of Public Works through contracted Contractor. For projects of up to six months in duration, this training will cover life-skills and information about other education, training and employment opportunities.

02.01.02 **"EPWP" –** Expanded Public Works Programme, a National Programme of South Africa Government, approved by Cabinet.

02.01.03 **"NYS" –** National Youth Service means a structured skills development programme aimed to capacitate youth.

SL 02.02 DEFINITIONS

02.02.1 **"Employer" –** means any Department employing Participants to work in elementary occupations on a SPWP;

02.02.2 **"Client" –** means the Department of Public Works.

02.02.3 **"Participants" –** a recipient/s of National Youth Service programme who benefits through participation in an elementary occupation on a SPWP.

02.02.4 **"department" –** means any department of the State, implementing agent or contractor;

02.02.5 **"elementary occupation" –** means any occupation involving unskilled or semi-skilled work;

02.02.6 **"management" –** means any person employed by a department or implementing agency to administer or execute a SPWP;

02.02.7 **"task" –** means a fixed quantity of work;

02.02.8 **"task-based work" –** means work in which a Participant is paid a fixed rate for performing a task;

02.02.9 **"task-rated Participant" –** means a Participant paid on the basis of the number of tasks completed;

02.02.10 **"time-rated Participant" –** means a Participant paid on the basis of the length of time worked

02.02.11 **"Service Provider" –** means the consultant appointed by Department to coordinate and arrange the employment and training of labour on EPWP infrastructure projects.

SL 03. APPLICABLE LABOUR LAWS

In line with the Expanded Public Works Programme (EPWP) policies, the Ministerial Determination, Special Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of labour in government Notice No. R63 of 25 January 2002, of which extracts have been reproduced below, shall apply to works described in the scope of work and which are undertaken by unskilled or semi-skilled Participants.

The Code of Good Practise for Employment and Conditions of Work for Special Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice No. R64 of 25 January 2002 shall apply to works described in the scope of work and which unskilled or semi-skilled Participants undertake

SL 04. EXTRACTS FROM MINISTERIAL DETERMINATION REGARDING SPWP

SL 04.01 TERMS OF WORK

04.01.01 Participants on a SPWP are employed on a temporary basis.

04.01.02 A Participant may NOT be employed for longer than 24 months in any five-year cycle on a SPWP.

04.01.03 Employment on a SPWP does not qualify as employment and a Participant so employed does not have to register as a contributor for the purposes of the Unemployment Insurance Act 30 of 1966.

SL 04.02 NORMAL HOURS OF WORK

04.02.01 An employer may not set tasks or hours of work that require a Participant to work–

(i) more than forty hours in any week

(ii) on more than five days in any week; and

(iii) for more than eight hours on any day.

04.02.02 An employer and a Participant may agree that the Participant will work four days per week. The Participant may then work up to ten hours per day.

04.02.03 A task-rated Participant may not work more than a total of 55 hours in any week to complete the tasks (based on a 40-hour week) allocated to him.

04.02.04 Every work is entitled to a daily rest period of at least eight consecutive hours. The daily rest period is measured from the time the Participant ends work on one day until the time the Participant starts work on the next day.

SL 04.03 MEAL BREAKS

04.03.01 A Participant may not work for more than five hours without taking a meal break of at least thirty minutes duration.

04.03.02 An employer and Participant may agree on longer meal breaks.

04.03.03 A Participant may not work during a meal break. However, an employer may require a Participant to perform duties during a meal break if those duties cannot be left unattended and cannot be performed by another

Participant. An employer must take reasonable steps to ensure that a Participant is relieved of his or her duties during the meal break.

04.03.04 A Participant is not entitled to payment for the period of a meal break. However, a Participant who is paid on the basis of time worked must be paid if the Participant is required to work or to be available for work during the meal break.

SL 04.04 DAILY REST PERIOD

Every Participant is entitled to a daily rest period of at least eight consecutive hours. The daily rest period is measured from the time the Participant ends work on one day until the time the Participant starts work on the next day.

SL 04.05 WEEKLY REST PERIOD

Every Participant must have two days off every week. A Participant may only work on their day off to perform work which must be done without delay and cannot be performed by Participants during their ordinary hours of work ("emergency work").

SL 04.06 WORK ON SUNDAYS AND PUBLIC HOLIDAYS

04.06.01 A Participant may only work on a Sunday or public holiday to perform emergency or security work.

04.06.02 Work on Sundays is paid in terms of Basic Conditions of Employment Act rate of pay.

04.06.03 A task-rated Participant who works on a public holiday must be paid –

(i) the Participants daily task rate, if the Participant works for less than four hours;

(ii) double the Participants daily task rate, if the Participant works for more than four hours.

04.06.04 A time-rated Participant who works on a public holiday must be paid –

(i) the Participants daily rate of pay, if the Participant works for less than four hours on the public holiday;

(ii) double the Participants daily rate of pay, if the Participant works for more than four hours on the public holiday.

SL 04.07 SICK LEAVE

04.07.01 Only Participants who work four or more days per week have the right to claim sick-pay in terms of this clause.

04.07.02 A Participant who is unable to work on account of illness or injury is entitled to claim one day's paid sick leave for every full month that the Participant has worked in terms of a contract.

04.07.03 A Participant may accumulate a maximum of twelve days' sick leave in a year.

04.07.04 Accumulated sick-leave may not be transferred from one contract to another contract.

04.07.05 An employer must pay a task-rated Participant the Participants daily task rate for a day's sick leave.

04.07.06 An employer must pay a time-rated Participant the Participants daily rate of pay for a day's sick leave.

04.07.07 An employer must pay a Participant sick pay on the Participants usual payday.

04.07.08 Before paying sick-pay, an employer may require a Participant to produce a certificate stating that the Participant was unable to work on account of sickness or injury if the Participant is –

(i) absent from work for more than two consecutive days; or

(ii) absent from work on more than two occasions in any eight-week period.

04.07.09 A medical certificate must be issued and signed by a medical practitioner, a qualified nurse or a clinic staff member authorised to issue medical certificates indicating the duration and reason for incapacity.

04.07.10 A Participant is not entitled to paid sick-leave for a work-related injury or occupational disease for which the Participant can claim compensation under the Compensation for Occupational Injuries and Diseases Act.

SL 04.08 MATERNITY LEAVE

04.08.01 A Participant may take up to four consecutive months' unpaid maternity leave.

04.08.02 A Participant is not entitled to any payment or employment-related benefits during maternity leave.

04.08.03 A Participant must give her employer reasonable notice of when she will start maternity leave and when she will return to work.

04.08.04 A Participant is not required to take the full period of maternity leave. However, a Participant may not work for four weeks before the expected date of birth of her child or for six weeks after the birth of her child, unless a medical practitioner, midwife or qualified nurse certifies that she is fit to do so.

(i) A Participant may begin maternity leave:–

1. four weeks before the expected date of birth; or on an earlier date;
2. if a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the Participant or that of her unborn child; or
3. if agreed to between employer and Participant; or
4. on a later date, if a medical practitioner, midwife or certified nurse has certified that the Participant is able to continue to work without endangering her health.

04.08.05 A Participant who has a miscarriage during the third trimester of pregnancy or bears a stillborn child may take maternity leave for up to six weeks after the miscarriage or stillbirth.

04.08.06 A Participant who returns to work after maternity leave, has the right to start a new cycle of twenty-four months employment, unless the SPWP on which she was employed has ended.

SL 04.09 FAMILY RESPONSIBILITY LEAVE

04.09.01 Participants, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances:-

i. when the employee's child is born;
ii. when the employee's child is sick;
iii. in the event of the death of:–
    1. the employee's spouse or life partner
    2. the employee's parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling

SL 04.10 STATEMENT OF CONDITIONS

04.10.01 An employer must give a Participant a statement containing the following details at the start of employment:–

i. the employer's name and address and the name of the SPWP;
ii. the tasks or job that the Participant is to perform;
iii. the period for which the Participant is hired or, if this is not certain, the expected duration of the contract;
iv. the Participants rate of pay and how this is to be calculated;
v. the training that the Participant may be entitled to receive during the SPWP.

04.10.02 An employer must ensure that these terms are explained in a suitable language to any employee who is unable to read the statement.

04.10.03 An employer must supply each Participant with a copy of the relevant conditions of employment contained in this specification.

04.10.04 An employer must enter into a formal contract of employment with each employee. A copy of a pro-forma is attached at the end of this specification.

SL 04.11 KEEPING RECORDS

04.11.01 Every employer must keep a written record of at least the following –

i. The Participant/s employment contract;
ii. Payments (proof of payments) made to each Participant.
iii. Certified copy of an Identity Document
iv. Signed monthly attendance registers
v. in the case of a task-rated Participant, the number of tasks completed by the Participant;
vi. in the case of a time-rated Participant, the time worked by the Participant;

04.11.02 The employer must keep this record for a period of at least three years after the completion of the SPWP.

SL 04.12 PAYMENT

04.12.01 The Participants shall be remunerated monthly in terms of the amount agreed upon by Ministerial Determination 4 and paid monthly on the day agreed upon with the contractor.

04.12.02 Payment must be made through electronic fund transfer (EFT) into Participant bank account.

04.12.03 An employer must give a Participant the following information in writing –

i. the period for which payment is made;
ii. the number of tasks completed or hours worked;
iii. the Participants earnings;
iv. any money deducted from the payment;
v. the actual amount paid to the Participant.

04.12.04 After the Participant is paid s/he must acknowledge receipt of payment by signing payment register.

04.12.05 If a Participants employment is terminated, the employer must pay all monies owing to that Participant within one month of the termination of employment.

SL 04.13 DEDUCTIONS

04.13.01 An employer may not deduct money from a Participants payment unless the deduction is required in terms of a law.

04.13.02 An employer who deducts money from a Participants pay for payment to another person must pay the money to that person within the time period and other requirements specified in the agreement law, court order or arbitration award concerned.

04.13.03 An employer may not require or allow a Participant to:–

i. repay any payment except an overpayment previously made by the employer by mistake;
ii. state that the Participant received a greater amount of money than the employer actually paid to the Participant;

SL 04.14 HEALTH AND SAFETY

04.14.01 Employers must take all reasonable steps to ensure that the working environment is healthy and safe and that all legal requirements regarding health and safety are strictly adhered to in accordance to Occupational Safety and Health Act no 85 of 1993

04.14.02 A Participant must:

i. work in a way that does not endanger his/her health and safety or that of any other person;
ii. obey any health and safety instruction; in accordance to Occupational Safety and health Act no 85 of 1993
iii. use any personal protective equipment or clothing issued by the employer;
iv. report any accident, near-miss incident or dangerous behaviour by another person to their employer or manager.

04.14.03 Employers must conduct occupational medical examinational fitness test.

SL 04.15 COMPENSATION FOR INJURIES AND DISEASES

04.15.01 It is the responsibility of employers to arrange for all persons employed on a SPWP to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993.

04.15.02 A Participant must report any work-related injury or occupational disease to their employer or manager.

04.15.03 The employer must report the accident or disease to the Compensation of Injuries and Diseases Act Commissioner within 07 days.

04.15.04 An employer must pay a Participant who is unable to work because of an injury caused by an accident at work 75% of their earnings for up to three months.

04.15.05 The employer will be refunded this amount by the Compensation Commissioner. This does NOT apply to injuries caused by accidents outside the workplace such as road accidents or accidents at home.

SL 04.16 TERMINATION

04.16.01 The employer may terminate the employment of a Participant provided he has a valid reason and after following existing termination procedures.

04.16.02 A Participant will not receive severance pay on termination.

04.16.03 A Participant is not required to give notice to terminate employment. However, a Participant who wishes to resign should advise the employer in advance to allow the employer to find a replacement.

04.16.04 A Participant who is absent for more than three consecutive days without informing the employer of an intention to return to work will have terminated the contract. However, the Participant may be re-engaged if a position becomes available for the balance of the 24-month period.

04.16.05 A Participant who does not attend required training events, without good reason, will have terminated the contract. However, the Participant may be re-engaged if a position becomes available for the balance of the 24-month period.

SL 04.17 CERTIFICATE OF SERVICE

04.17.01 On termination of employment, a Participant is entitled to a certificate stating:–

i. the Participants full name;
ii. the name and address of the employer;
iii. the SPWP on which the Participant worked;
iv. the work performed by the Participant;
v. any training received by the Participant as part of the SPWP;
vi. the period for which the Participant worked on the SPWP;
vii. any other information agreed on by the employer and Participant.

SL 05. EMPLOYER'S RESPONSIBILITIES

The employer shall adhere to the conditions of employment as stipulated in the *Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes*. Over and above the conditions stipulated above, he shall be responsible to:

05.01 formulate and design a contract between himself/ herself and each of the recruited youth Participants, ensuring that the contract does not contravene any of the Acts stipulated in South African Law, e.g. Basic Conditions of Employment Act, etc. (A copy of a pro-forma contract is attached at the end of this specification);

05.02 screen and select suitable candidates for employment from the priority list of youth Participants provided by the Umsobomvu Youth Fund (UYF);

05.03 ensure that the recruited youth Participants are made available to receive basic life skills training which will be conducted and paid for by the Umsobomvu Youth Fund;

05.04 ensure that all youth Participants receive instruction on safety on site prior to them commencing with work on site;

05.05 ensure that all youth Participants are covered under workmen's compensation for as long as they are contracted to the contractor. Payment to the Compensation Commissioner shall be the responsibility of the contractor;

05.06 assist in the identification and assessment of potential youth Participants to undergo advanced technical training in respective trades;

05.07 test and implement strict quality control and to ensure that the health and safety regulations are adhered to;

05.08 provide all youth Participants with the necessary protective clothing as required by law for the specific trades that they are involved in.

05.09 provide overall supervision and day-to-day management of youth Participants and/or sub-contractors; and

05.10 ensure that all youth Participants are paid their wages on time through a pre-agreed payment method as stipulated in the contract with the youth Participant.

SL 06. TRAINING OF YOUTH PARTICIPANTS

SL 06.01 PREAMBLE

The Code of Good Practise for Employment and Conditions of Work for Special Public Works Programmes encourages:-

06.01.01 optimal use of locally-based labour in a Special Public Works Programme (SPWP);

06.01.02 a focus on targeted groups which consist of namely youth, consisting of women, female-headed households, disabled and households coping with HIV/AIDS; and

06.01.03 the empowerment of individuals and communities engaged in a SPWP through the provision of training.

SL 07. YOUTH PARTICIPANTS SELECTION CRITERIA

The youth Participants of the programmes should preferably be non-working individuals from the most vulnerable sections of disadvantaged communities who do not receive any social security pension income. The local community must, through all structures available, be informed of and consulted about the establishment of any EPWP–NYS.

In order to spread the benefit as broadly as possible in the community, a maximum of one person per household should be employed, taking local circumstances into account.

Skilled artisans from other areas may be employed if they have skills that are required for a project and there are not enough persons in the local communities who have those skills or who could undergo appropriate skills training. However, this should not result in more than 80% of persons working on a programme not being from local communities.

Programmes should set participation targets for employment with respect to youth, single male- and female-headed households, women, people with disabilities, households coping with HIV/AIDS, people who have never worked, and those in long-term unemployment.

07.01 The proposed targets as set out in sub clauses should accommodate:-

(i) 100% youth from 18 to 35 years of age;

(ii) 60% women;

(iii) 2% disabled.

SL 08. PROVINSIONAL RATES OF PAY

The payment conditions is that a proof be provided in the claim processing of the services rendered and of that cost incurred. The cost incurred means and referred to a periodical or once off proof of payment on any direct or indirect procured services in the EPWP-NYS training bill of quantity where their expenses are charged against line item provisional sums. The line items are set to have a mark-up/ profit value as a separate profit and attendance item to accommodate administration cost and transaction cost where necessary including any other cost incurred activities to render the service complete.

It is stipulated that youth Participants on the EPWP-NYS receive a minimum Stipend per day whilst on off-site and on-site training in ALL provinces. The Stipend means and referred to a claim of a progressive work based experiential training and exposure of any Participant in EPWP-NYS programme. The progressive work referred to a productive days work relevant or similar in nature to the required training standards received by Participant/s and of any relevant cost to be claimed. The failure in compliance in that particular day work will be at a contractors cost remunerated within the required Building Industrial Councils rate of pay.

SL 09. PAYMENT FOR TRAINING ON YOUTH PARTICIPANTS

SL 09.01 (TARGET:- NUMBER OF YOUTH PARTICIPANTS)

09.01.01 Orientation and Life Skills

Orientation and Life Skills development training for youth Participants for an average of set days per youth Participant is necessary at inception of the project once all recruitment processes are exhausted. All youth Participants are entitled to undergo life skills training.

Training on this life skills module will be flexible enough to meet the needs of the employer. Training should take place immediately after site hand-over and during the period of site establishment and pre-planning before actual construction starts, alternatively this will be spread over the duration of the contract period. The contractor will be required to work closely with the Training Service Provider so that the timeframe of the training is aligned with the construction works schedule and the demand for Participants.

09.01.02 TECHNICAL SKILLS TRAINING

Technical skills training for youth Participants for an average of set days per youth Participant is necessary immediately once they conclude their life Skills training. The Employer shall assist in identifying youth Participants for further training. The youth Participant/s will undergo further technical training to prepare them for opportunities elsewhere and or as semi-skilled labourers. Such training will comprise of an off-site theoretical and simulation theory regarded herein as component 1 that will be undertaken by accredited private and or public training institution. The training undertaken through public training institution will provide youth only with fees for once-off per subject level payment and stipends payments.

The contractor will be responsible to supervise and appoint appropriate supervision that will act as mentor on Participants for on-site practical work based experiential exposure on those learner ear-marked to return to site. The programme will consist of this on-site practical work regarded herein as component 2 under the supervision of the employer for the ear-marked youth. The Youth Participants will be entitled to full training programme completion once all training modules are completed.

SL 010. PAYMENT REDUCTION

Payment reduction due to not meeting the training target, then as per the contractual penalties obligations of the contract will be applicable up until such time the requirements are met. The contractual penalties obligations is referred to as is detailed in the contractual arrangements between the contractor and DPW. The payment reduction means no other or alternative clause that will substitute the contractual penalties obligations.

SL 011. PROFIT AND ATTENDANCE

The profit and attendance referred to means a line item mark-up percentage of any services rendered within the re-measured progressive claims to DPW by a contractor. The payment conditions is that a proof be provided in the claim processing of the services rendered and of that cost incurred. The cost incurred means and referred to a periodical or once off proof of payment on any direct or indirect procured services in the EPWP-NYS training bill of quantity where their expenses are charged against line item provisional sums. The line items are set to have a mark-up/ profit value as a separate profit and attendance item to accommodate administration cost and transaction cost where necessary including any other cost incurred activities to render the service complete.

SL 012. PAYMENT FOR TRAVELLING OFF AND ON-SITE TRAINING

The unit of measurement for travelling shall be the cost for the youth Participant off or on-site that must be arranged by the contractor. Amounts quoted shall be corrected according to re-measurement based on actual invoices. The unit of measurement for travelling shall be the amounts in Rand from a particular transport service taxi. The tendered percentages will be paid to the contractor on the value of each payment pertaining to the travelling to cover contractor's expenses in this regard.

SL 013. EMPLOYMENT OF YOUTH PARTICIPANTS THAT ARE PAID STIPEND

Employment of youth Participants shall provide youth Participants with on and or off-the-job training to enable them to fulfil their employment requirements. The employer shall also be expected to closely monitor the job performance of youth Participants and shall identify potential youth Participants for skills development programmes. The unit of measurement shall be the number of youth Participants at an EPWP–NYS Stipend rate per day as the amount agreed by Ministerial Determination multiplied by the period employed in that particular month.

The rate tendered shall include full compensation for all costs associated with the employment of youth Participants and for complying with the conditions of contract. The cost for the training shall be excluded from this item. This item is based on 9 months minimum appointment for youth Participants. The submission of attendance registers by contractor to DPW is very critical as they are the source leading to training monitoring, transactions and auditing. The attendance registers will be used as a source to quantify eligibility of productive due days for payment.

SL 014. PROVISION OF EPWP DESIGNED OVERALLS AND HARD HATS TO YOUTH PARTICIPANTS

The youth Participant/s will each be supplied with 2 sets of EPWP branded overalls, 1 set of EPWP branded hard hat and 1 set of Safety Boats. Youth Participant/s colour of their overall/s should be orange (top and bottom) as per DPWP corporate identity on branding specification with the exception on Correctional Services contracts where the overalls should be blue (top and bottom). An amount has been provided in the Schedule of Quantities under this sub-item for the supply of EPWP designed protective clothing by the contractor.

It is the responsibility of the contractor to purchase or to delegate to its Training Service Provider for the purchase of Participant/s protective clothing. The sets of protective clothing as stated will be provided once and if a need arise to replace for whatever reasons such cost will be recovered from those in need for second set outside the provisional sums arrangement in the contracted bill of quantities.

SL 015. PROVISION OF SMALL TOOLS FOR YOUTH PARTICIPANTS

The contractor will provide or delegate to its training Service Provider all youth Participants with prescribed tools for their respective service areas/ trades. The specification for the mentioned tools to be provided by the Training Service Provider. The tools will become the property of the youth Participant after the completion of the programme.

The contractor together with Training Provider need to provide youth Participants with relevant training tools during their stay within respective training venues/ areas. The tools provide particular on site must be under the control and supervision of the contractor's responsibility.

SL 016. APPOINTMENT OF YOUTH PROJECT TRAINING COORDINATOR/S

The appointment of Youth Project Training Coordinator/s (PTC) for the duration of the programme will be determine in the inception of the project. The Youth PTC will be appointed by EPWP-NYS Office and will act as Participant Liaison Officer to facilitate and coordinate the training programme between the youth Participants, Training Provider, the contractor and EPWP-NYS Office (Maximum ratio is 1:30 – Youth PTC to Youth Participants). The coordination of the training programme as the core function of EPWP NYS will require PTC to reside within DPWI Offices in order to monitor and report on compliance issues of work based access, experiential exposure and mentoring on site of Youth by Contractors.

The item rate shall include full compensation for the cost of liaising with all relevant stakeholders on all issues regarding the training. The Youth PTC will assist in administration and promotion of fair, transparent, reliable and competitive private procurement processes and keep/ update documentation. The Youth PTC is required to processes and keep Stipend transaction records among other roles and give inputs on progress work claims, verifications for payments and final accounts.

SL 017. LIAISON WITH SERVICE PROVIDER

The tendered rate shall include full compensation for the cost of liaising with the Service Provider and Social Facilitators on all issues regarding the youth Participants training. The cost to be claimed under tendered rate should be supported by meeting agenda/s and resolutions and or meeting minutes.

SL 018. LOGISTICS FOR EXIT WORKSHOP

The tendered rate shall include full compensation for the cost of liaising with the relevant Service Providers for the arrangements of all learner profiling and exit workshop events. The items range from catering, clothing, venue, hiring requirements and decoration and entertainment items, etc.

SL 019. EPWP REPORTING SYSTEM REQUIREMENTS

The Project must be registered on the NDPW EPWP reporting system by the public Body and report on:-

SL 019.01 Certified copy of participants' id (not later than 3 months at the time of system enrolment),

SL 019.02 Beneficiary contract need to be uploaded on the system when registering a project for EPWP compliance.

SL 019.03 The contractor is required to submit monthly beneficiary reports (Annexure B), which are to be attached to payment certificates and invoices as per attached Reporting Templates.

SL 019.04 The contractor needs to ensure that participants are registered under workman's compensation and that UIF is deducted for EPWP participants.

SL 019.05 Payment shall only be processed once compliance with EPWP and other Reporting requirements has been proven.

SL 019.06 The reported information must be accompanied by:-

1. Copies of ID (once off) when participants contracted,
2. Beneficiary Contract of Employment (once off),
3. Attendance registers (monthly) and
4. Proof of Payment (monthly)

SL 019.07 All copies of these documents should be kept safe on site for the duration of the contract for Audit purpose.

SL 020. PROJECT STEERING COMMITTEE (PSC)

Each project shall have a Project Steering Committee (PSC) that shall consist of the following stakeholders:

- Department of National Public Works representative.
- Municipal representative.
- Community representatives.
- Client department representative.
- Main Contractor.

SL 020.01 Operating Procedures

The PSC shall oversee the following

(a) The PSC will adhere to government legislation and policy guidelines which are relevant to enable it to execute its work. The Intermediary guidelines will also be adhered to e.g. procurement policies.
(b) The meetings will be scheduled, and will be held on agreed dates and times.
(c) That targets set in terms of work opportunities are met.
(d) That local labour is recruited according to agreed procedures and processes
(e) Manage EPWP participant grievances.
(f) Responsible for communication with local EPWP participants.

SL 020.02 Secretariat

The contractor shall appoint a Community Liaison Officer (CLO) who shall provide secretariat support to the PSC.

SL 20.03 PSC Meetings

The PSC shall meet once a month prior to the site meetings and report the resolutions at the Site Meeting.

SL 20.04 Funding of PSC

The activities of the PSC will be voluntary and members would receive no remuneration for their time. The contractor may provide refreshments on the day of a meeting. It is thus important that community members of the PSC be drawn from the local area in order to avoid travelling costs.

SL 021. <u>COMMUNITY LIAISON OFFICER (CLO)</u>

SL 021.01 The Contractor shall allow for and pay any and all costs necessary for the engagement of the services of a Community Liaison Officer (CLO) for the full duration of a project.

SL 21.02 A CLO will be identified by the local structures (Project Steering Committee) of the ward areas and appointed following a fair and transparent interviewing process, to be conducted in the presence of local structures and the contractor representative, in order to assist the Contractor in the procurement of any local labour, etc. required for this project.

SL 21.03 The Contractor is to liaise with the CLO and afford him any assistance needed in ensuring sound working relations with the local community.

SL 21.04 Key Responsibilities of the CLO are envisaged to include and not necessary be limited to:

a) Assisting local leadership in conducting skills and resources audit which facilitates sourcing labour from within the ward or targeted areas for employment, as required by contractor,
b) Assisting in the procurement of materials from local resources, as required by the contractor,
c) Assisting the contractor by identifying areas of potential conflict and or threats to the project or to stakeholders in the project and recommend appropriate action to the contractor.
d) Assisting contractor and stakeholders in the project in the resolution of any conflict which may arise.
e) Establishing and ensuring that sufficient and open communication channels between the contractor and the work force are maintained.
f) Establish and ensuring that efficient and open communication channels between the contractor and the community are maintained.
g) Identifying and reporting to the Contractor regarding issues where communication between stakeholders is necessary, recommend courses of action and facilitate such communications.
h) Assisting the Contractor and the work force in the establishment of grievance procedures and necessary recommendation to the Contractor regarding the grievances and solution thereto.
i) Attending to site meetings and project implementation meetings as required by the Contractor and prepare periodic reports as may be required by the Contractor from time to time.
j) Attending to such other duties which are consistent with the functions of a CLO, as may be required by the Contractor from time to time.

SL 022. <u>CONTRACTUAL OBLIGATIONS IN RELATION TO LABOUR</u>

The participants to be employed in the programme (EPWP) shall be directly contracted to the employer. Over and above the construction and project management responsibilities, the employer will be expected to perform the tasks and responsibilities as set out in clause SL 05 above.

SL 023. CONTRACTUAL OBLIGATIONS IN PRELIMINARIES & GENERAL CLUASES: NATIONAL YOUTH SERVICE

EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS; NATIONAL YOUTH SERVICE (NYS).

The contractor shall comply with all the requirements as set out in the "Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS)" as attached to these bills of quantities.

The contractor shall identify a minimum number of youth workers from a priority list, and shall employ them at the statutory labour rates for a minimum period and train them elsewhere through accredited private or public institutions, all as per the aforementioned specification and as measured in these bills of quantities.

The contractor shall liaise and co-ordinate with the employer and the EPWP Training Service Provider with regard to the priority list, the selection of youth workers, and the employment and training of the identified youth workers.

The contractor shall avail the services of an adequately qualified foreman specifically for the EPWP-NYS youth workers, to act as their construction supervisor. The foreman will be responsible for continually monitoring the progress of the youth workers and for addressing questions and issues that may arise from the youth workers.

Separate items which will be subject to re-measurement have been included elsewhere in these bills of quantities to cover the direct costs associated with the employment and training of the youth workers. Any additional requirements in respect of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained.

SL 024. CONTRACTUAL OBLIGATIONS IN PRELIMINARIES & GENERAL CLUASES: WORK OPPORTUNITIES

IMPLEMENTATION OF LABOUR-INTENSIVE INFRASTRUCTURE PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP): WORK OPPORTUNITIES

The Contractor shall comply with all the "Code of Good Practise for Employment and Conditions of Work for Special Public Works Programme" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed and or temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP).

The contractor shall maintain daily records with regards to workers employed and shall, on a monthly basis, submit a report to the principal agent in the prescribed format. Compulsory indicators such as project budget, actual project expenditure, number of job opportunities created, demographic characteristics of workers employed, minimum daily wage rate, number of person-days of employment created and number of training person-days, shall be included in said report, all as defined in the guidelines for the implementation of Labour-intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.

EPWP - EMPLOYMENT AGREEMENT

[Example]

CONTRACTOR

Name:

Address:

ID:

AND

WORKER

Name:

Address:

ID:

1. I am pleased to confirm that you have been appointed to work on a task-based employment contract within an EPWP project. During this contract you will undertake various tasks.

2. This contract must be in conjunction with the standard terms and conditions of employment applicable to a EPWP, a copy of which is attached.

3. The project where you will be employed is located at …….

4. The contract will start on ……
   and end on……

5. You must be aware that this contract is a limited term contract and not a permanent job. Your minimum period will be 6 months and the contract may be terminated for one of the following reasons:
   (a) Funding for the programme in your areas comes to an end.
   (b) You repeatedly do not perform in terms of the tasks set out in your work programme.
   (c) If you breach any of the terms and conditions of this contract.

6. Disciplinary:
   You will be employed as a general labourer within the EPWP team.

7. While you are working you will report to ……..

8. Payment

You will be paid a fixed amount of R ……. for a …….basis.

9. The contractor shall not be required to provide to local participants:
    - holiday, leave, sick or severance pay;
    - a pension or similar scheme;
    - a medical aid or similar scheme.

10. Signatures

Signed on this day ……. of …….. 20……

Contractor: ……. Date: …….

Worker: ……. Date: …….

Witness: ……. Date: …….

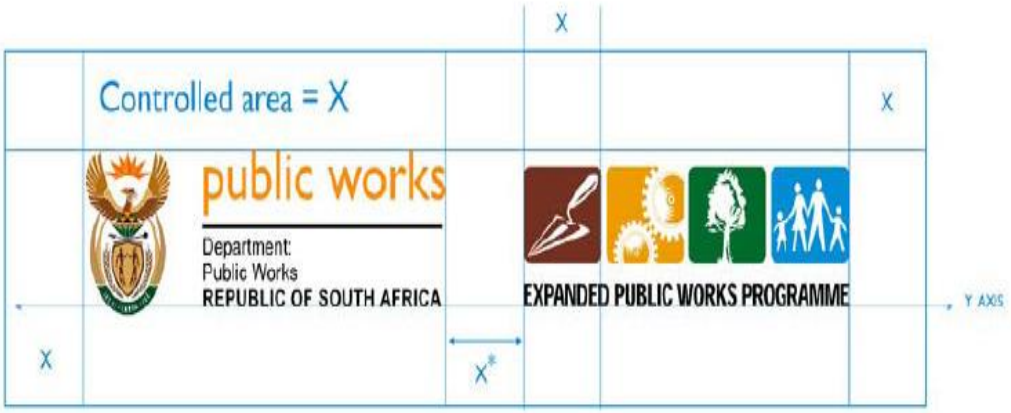
SL 025. ANNEXURE A.1 – EPWP BRANDING REQUIREMENTS

(Please note that the new Public Works and Infrastructure logo should be used instead of the Public Works Logo)

The EPWP identity construction

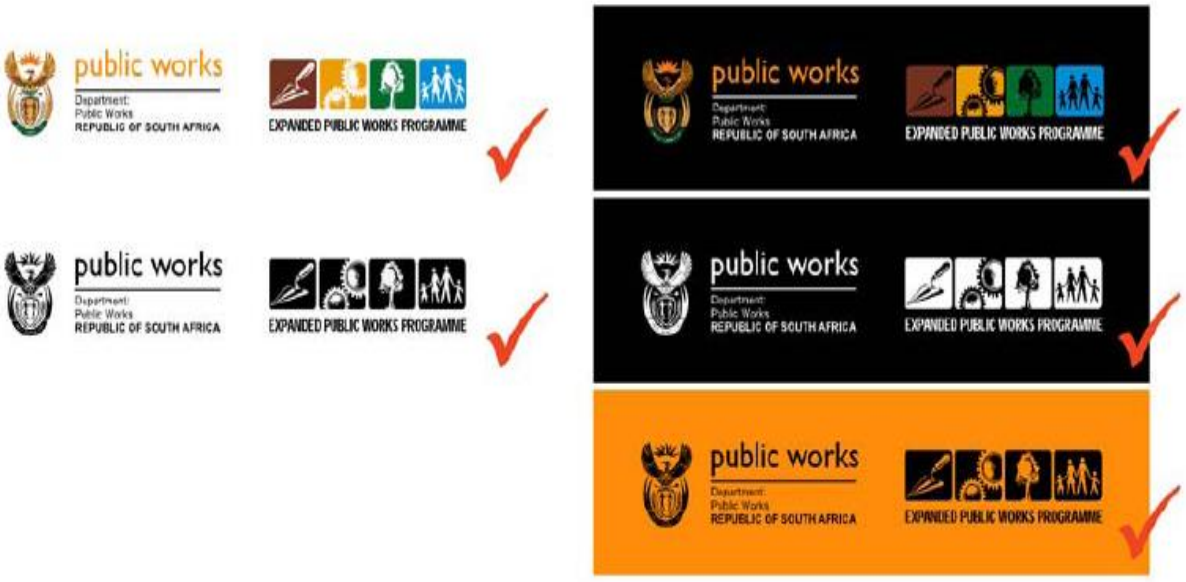
The logo spacing guide is used to check relationship of the Public Works Logo and Expanded Public Works Programme logo.

HORIZONTAL RELATIONSHIP



In the horizontal relationship the DPW logo always appears on the left and EPWP logo on right.
* NOTE The space between the public works logo and EPWP logo may increase but never decrease less than X width. The logos must always bottom align with Y axis.

The EPWP identity - Acceptable colour application



The EPWP identity - Typography

The fonts chosen for the EPWP identity is Gill Sans and Arial. The following versions of the Gill Sans and Arial family can be used.

Primary descriptor: Gill Sans Regular

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 *&!?@

Primary descriptor: Gill Sans Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 *&!?@

Secondary typography: Arial Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 *&!?@

Secondary descriptor (EPWP): Arial Narrow

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 *&!?@

Secondary typography: Arial Regular

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 *&!?@

The EPWP identity - Colour palette

The Primary colour palette for the EPWP identity is Black and Yellow. The Secondary colour palette appear in the logo and is an integral part of the EPWP identity.

PRIMARY COLOUR PALETTE



SECONDARY COLOUR PALETTE





The EPWP co-branding in promotional material

The Expanded Public Works Programme corporate identity is likely to be applied in conjunction with many other role players. When using the horizontal version of the EPWP identity the following scenarios applies.

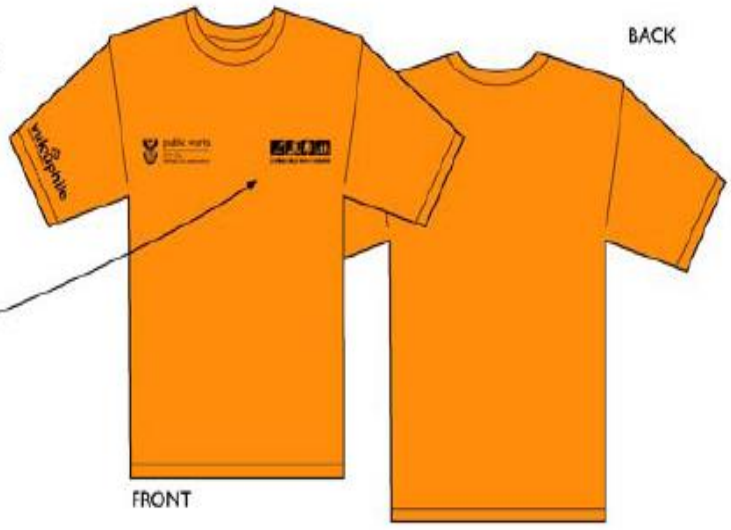
National branding scenario

The EPWP master brand logo is applied to the front, with the sector indicated on the back. The project identity is always applied to the left sleeve.

Master Brand logo version

public works
REPUBLIC OF SOUTH AFRICA

EXPANDED PUBLIC WORKS PROGRAMME





ANNEXURE B.1 – EPWP BENEFICIARY REPORTING TEMPLATE
ANNEXURE B.2 – EPWP PROGRESS DATA REPORT TEMPLATE

BENEFICIARY INFORMATION
PLEASE PROVIDE BENEFICIARY INFORMATION ON THIS SHEET

									JULY			
First name	Initials	Last name	I.D. Number	DOB	Gender	Has disability	Education level	Start date	Number of labour days for July	Daily task rate for July	Total wages paid July	Total number of training days July
				dd/mm/yyyy	M or F	Y or N	See codes at bottom of list	dd/mm/yyyy			DO NOT ENTER DATA IN THIS COLUMN	
TOTALS (DO NOT ENTER DATA IN THIS LINE)									0			0

- Education Levels – use the codes (1,2,3) on the excel spreadsheet
  - (1) Unknown
  - (2) No Schooling
  - (3) Grade 1-3 (Sub A – Std 1)
  - (4) Grad 4 (Std 2) ABET 1
  - (5) Grade 5-6 (Std 3-4) ABET 2
  - (6) Grade 7-8 (Std 5-6) ABET 3

PROGRESS REPORT DATA

	2011					
	TOTAL up to JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
Financial Report						
Expenditure (Total monthly for Project)						
EPWP Certified Contractors						
Number of contractors						
Amount Spent (by Contractor)						
SMME Contractors						
Number of contractors						
Amount Spent						

Milestones	If milestone has been achieved provide the achievement date, otherwise indicate "NO" for each milestone not achieved.
Project approved	
Consultant appointed	
Detailed Design specifications approved	
Tender report approved	
Construction started	
Implementation complete	
Actual Outputs	
Type of output	
Quantity achieved	
Date achieved	

C4 Site Information

PG-01.2 (EC) SCOPE OF WORKS – JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018)

Project title:	CAPE TOWN: PARLIAMENTARY PRECINCT: UPGRADING AND RECONFIGURATION OF VARIOUS KITCHENS INCLUDING REPLACEMENT OF EQUIPMENT AND ASSOCIATED WORKS		
Tender / Quotation no:	***CPT 1004/25***	**Reference no:**	*3/12/20/2/24*

C3. Scope of Works

C3.1 EXTENT OF THE WORKS

Alterations and additons to 2 existing kitchens within the Parliamentary precinct, incl tiling, sanitary fittings etc, electrical installations, mechanical installation and the replacement of existing Kitchen Equipment and Cold/ Freezer Rooms. One Kitchen is for the supply and instalaltion of Kitchen Equipment and Cold/ Freezer rooms only.

C3.2 ORDER OF THE WORKS

The works will be carried out in phases with Phase 1 being the Supply and Installation of Kitchen equipment, Cold/ Freezer rooms etc in the Old Assembly Kitchen, followed by the Alterations, Additions and Renovations to the Marks and 90 Plein Street Kitchens, including supply and installation of Kitchen Equipment, Cold/ Freezer Rooms etc.

C3.3 BUILDINGS OCCUPIED

The three buildings will be occupied throughout the contract, and certain areas may be out of bounds at certain times for security reasons.

C3.4 ACCESS

The contractor will have to adhere to restricted access areas and specific access points to site. These will be pointed out to the contractor

C3.5 STANDARD MINIMUM REQUIREMENTS

In terms of section 5(2) of the Construction Industry Development Board Act, 2000 (Act no. 38 of 2000) (the Act), the Construction Industry Development Board is empowered to establish and promote best practice standards, Standard Requirements and Guidelines which includes the following but not limited to:

C3.5.1 cidb Best Practice: Green Building Certification, No. 34158 Government Gazette, 1 April 2011

C3.5.2 cidb Standard for Developing Skills through Infrastructure Contracts, No. 36760 Government Gazette, 23 August 2013

C3.5.3 cidb Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts, No 36190 Government Gazette, 25 February 2013

C3.5.4 cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts, No. 41237 Government Gazette,10 November 2017

C3.5.5 cidb Standard for Minimum Requirements for Engaging Contractors and Sub-Contractors on Construction Works Contracts, No. 41237 Government Gazette, 10 November 2017

C3.5.6 cidb Standard for Minimum Requirements for Engaging Contractors and Sub- Contractors on Construction Works Contracts, No. 42021 Government Gazette, 9 November 2018

C3.5.7 cidb Standard for Developing Skills through Infrastructure Contracts, No 48491 Government Gazette, 23 April 2023.

C3.6 CONTRACT PARTICIPATION GOALS AND CIDB BUILD PROGRAMME

Provision has been made within the Contract Participation Goal section in the Bill of Quantities for the respective CPGs. Prescribed Profit and Attendance percentages have been stipulated, all inclusive of associated costs to the contractor for implementation and allowance for submitting reports to the Employer's Representative on a monthly basis in terms of monthly and accumulative targets achieved with audited supporting documentation.

Monthly progressive reports to be submitted to the Employer's representative indicating the percentage targets achieved which must be reconciled upon completion of the project and to form part of the final account.

The contractor shall achieve in the performance of this contract the following Contract Participation Goals (CPGs) as indicated below.

C3.6.1 Minimum Targeted Local Material Manufacturer Contract Participation Goal

The Minimum Targeted Local Building Material Manufacturers CPG is *not applicable* to this project.

It is the requirement of the employer that the contractor enhances the use of local Small, Micro and Medium Enterprise Local Material Manufacturers (SMME's) in executing this contract, irrespective whether a minimum percentage Participation Goals is applicable or not.

The Minimum Targeted Local Manufacturers of Material Contract Participation Goal, in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020.

A Targeted Local Material Manufacturer is a targeted enterprise that operates or maintains a factory or establishment that produces on its premises materials or goods required by the principal contractor for the performance of the contract.
Note: Adapted from SANS 10845-7:2015, definition 2.13

Preference shall be given to the Targeted Local Material Manufacturer where feasible in **not applicable**, and provided that:

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

(d) Materials of at least **not applicable** of the total value of materials purchased excluding VAT to be sourced from within N/A **km** radius of the project site,
(e) Material of at least **N/A** of the total value of materials purchased excluding VAT to be sourced from within **N/A km** radius of the project site.

Failure to achieve the minimum specified value as indicated in the CPG Bill of Quantity Section for Targeted Local Material Manufacturer participation will result in a **thirty percent (30%)** penalty of the prorate targeted value of materials not complied with unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The contractor shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

C3.6.2 Minimum Targeted Local Building Material Suppliers Contract Participation Goal

The Minimum Targeted Local Building Material Suppliers CPG is *not applicable*

It is the requirement of the employer that the contractor enhances the use of local Small, Micro and Medium Enterprise Local Material Suppliers (SMME's) in executing this contract, irrespective whether a minimum percentage Participation Goals is applicable or not.

The Minimum Targeted Local Manufacturers of Material Contract Participation Goal shall be achieved in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract..

A targeted supplier is a targeted enterprise that
a) owns, operates or maintains a store, warehouse or other establishment in which goods are bought, kept in stock and regularly sold to wholesalers, retailers or the public in the usual course of business; and
b) engages, as its principal business and in its own name, in the purchase and sale of goods.
Note: Adapted from SANS 10845-7:2015, definition 2.14

Preference shall be given to the local material suppliers where feasible in the **N/A**, and provided that:
(a) Such materials comply in all respects with the specific requirements of PW371 and SANS specifications,
(b) The none availability of such materials shall not adversely affect the desired progress of the specific works,
(c) The use of such suppliers shall not constitute grounds for any claim for increased cost in respect thereof,
(d) Materials of at least **N/A** of the total value of materials purchased excluding VAT to be sourced from within **N/Akm** of the project site,
(e) Material of at least **N/A** of the total value of materials purchased excluding VAT to be sourced from within **N/Akm** of the project site.

Failure to achieve the minimum specified value as indicated in the CPG Bill of Quantity Section for Targeted Local Material Manufacturer participation will result in a **thirty percent (30%)** penalty of the prorate targeted value of materials not complied with, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

C3.6.3 Minimum Targeted Local Labour Skills Development Contract Participation Goal

The Minimum Targeted Local Labour Skills Development CPG is *not applicable to this project.*

It is the requirement of the employer that the contractor enhances the use of local labour in executing this contract. This is required to be done through the use of both traditional building techniques and labour-intensive construction techniques careful and considered construction planning and implemented in the project irrespective whether a minimum percentage Participation Goal is applicable or not.

The Minimum Targeted Local Skills Development Contract Participation Goal shall be achieved in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract..

Targeted labour: individuals who:

a) are employed by the principal contractor, sub-contractor or targeted enterprises in the performance of the contract;
b) are defined as the target group in the targeting data; and
c) permanently reside in the target area or who are recognized as being residents of the target area on the basis of identification and association with and recognition by the residents of the target area.

Adapted from SANS 10845-7:2015, definition 2.12

Targeting of labour by skills categories is only permissible within categories of semi-skilled and unskilled labour.

Contract participation goals for semi-skilled and unskilled labour shall be limited to on-the-job training to targeted labour to enable such labour to master the basic work techniques required to undertake the work in accordance with the requirements of the contract and in a manner that does not compromise worker health and safety. In the case of targeted labour, the certification of records shall be in accordance with SANS 10845-8.

Beneficiaries will be sourced from the **N/A** for the full duration of the Construction Period, employed by either the principal contractor, sub-contractors or targeted enterprises. The total number of working days to complete the Works amount to **N/A** working days. The minimum CPG participation for Targeted Local Labour Skills Development is **N/A**, expressed as a percentage of the total number of working days required to complete the Works. The contractor shall attain or exceed the CPG in the performance of the contract. Failure to achieve the minimum Targeted Local Labour Skills Development CPG will result in a payment reduction of **R5 000** (Excluding VAT), per working day which training has not been provided to the workforce in attendance, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

C3.6.4 CIDB BUILD PROGRAMME: Minimum Targeted Enterprise Development Contract Participation Goal

The Minimum Targeted Enterprise Development Contract Participation Goal is *not applicable* to this project.

The aim of this best practice standard for indirect targeting for enterprise development in accordance with the Standard for Indirect Targeting for Enterprise Development (published in Government Gazette 36190 of 25 February 2013), as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract. is to promote enterprise development by providing for a minimum Contract Participation Goal (CPG) of N/A of the contract

amount as defined in the Standard (Tender amount, excluding allowances and VAT) on selected contracts to be undertaken by joint-venture partners or to be sub-contracted to developing contractors that are also to be beneficiaries of enterprise development support from the main contractor.

The bidder shall submit monthly reports in terms of monthly achievement and accumulative targets achieved including audited supporting documentation to the Employer's Representative.

The lead partner or main contractor shall dedicate a **minimum *N/A*** of the tender value at the time of award, excluding allowances and VAT, to provide developmental support to targeted subcontractor or joint venture partner applicable to contracts in Grades 7 to 9, General Building and Civil Engineering contracts. Preference will be given to N/A Enterprises.

Failing to achieve the targeted Contract Skills Development Goal will result in A) a thirty percent (30%) penalty of the value of the portion not achieved, excluding VAT, and B) the issuing of completion certificates only after the completion certificate of achieving the skills development goal, counter-signed by the relevant individuals has been submitted, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

C3.6.4.1 Criteria

The main or lead partner of the successful bidder shall:

(a) There must be a needs analysis for indirect targeting and development or skill standard and should be development in at least any two developmental areas namely;

- Administrative and cost control systems
- construction management systems and plans
- planning, tendering and programming
- business; technical; procurement skills
- legal compliance
- credit rating/history; financial loan capacity/history
- contractual knowledge

(b) The above needs analysis shall be mutually agreed upon between contractor and targeted enterprise

(c) The contractor shall appoint an enterprise development coordinator to:

- perform needs analysis on the targeted enterprise to identify developmental goals
- develop a project specific enterprise development plan to improve the targeted enterprise/s performance in the identified developmental areas
- provide internal mentorship support to improve the targeted enterprise/s performance
- monitor and submit to the employer's representative a monthly enterprise development report thereby reporting on the progress of the agreed development areas with the targeted enterprise/s
- submit a project completion report to the Employer's representative for each targeted enterprise.

C3.6.4.2 Management

The contractor shall provide a competent person/s to provide internal mentorship to the Targeted Enterprise/s in the two agreed developmental areas.

C3.6.4.3 Competence Criteria for an Enterprise Development Co-ordinator

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

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

C3.6.4.4 Format of Communications

The contractor shall submit to the Employer's Representative:

- *Project interim reports* in the specified format **(ED105P)** detailing interim values of the CPG that was achieved together with an assessment of the enterprise development support provided should be tabled and discussed at least monthly at progress meetings between employer's representative and the contractor;
- *Project completion report* in the specified format **(ED101P)** to the Employer's Representative for acceptance within 15 days of achieving practical completion. The report shall include the value of the CPG that was certified in accordance with the contract, cidb registration numbers of each and every targeted enterprise, and the value of the subcontracted works or of the joint venture entered into; and the participation parameter
- *Enterprise development declaration (**ED104P**).*

C3.6.4.5 The Key Personal

The contractor shall appoint an Enterprise Development Co-ordinator and a competent person/s to provide internal mentorship.

C3.6.4.6 Management Meetings

The contractor shall report to the Employer's Representative on the implementation and progress of the targeted enterprise development and CPG at monthly progress site meetings.

C3.6.4.7 Forms for contract administration

The contractor shall submit to the Employer's Representative the following proformas:

- Form ED 105P Project Interim Report
- Form ED 104P Enterprise Development Declaration
- Form ED 101P Project Completion Report

C3.6.4.8 Records

The contractor shall:

- keep records of the targeted enterprise development
- keep records of the payments made to the targeted enterprises in relation to the CPG.
- ensure all the documentation required in terms of the Standard is provided with each monthly progress payment certificate and according to a prescribed format where applicable.

C3.6.4.9 Payment Certificates

The contractor shall:

- achieve the measurable CPG and providing enterprise development support to the targeted enterprise/s as per the Standard.
- submit payment certificates to the Employer Representative at intervals determined in the Contract.

C3.6.4.10 Compliance requirements

Non-compliance with the Best Practice Project Assessment Scheme

The wording of regulation 27A of the cidb regulations makes provision for the Board to enforce the cidb code of conduct in the event of clients being found to be in breach of the best practice project assessment scheme.

- Not including the requirements of the cidb standards in the conditions of tender
- Not registering the award of contract on the cidb Register of Projects (RoP)
- Not reporting practical completion on the cidb Register of Projects (RoP)

3.6.5 **CIDB BUILD PROGRAMME: Minimum Targeted Contract Skills Development Goal (CSDG)**

The Minimum Targeted Contract Skills Development CPG is *Not aplicable* to this project.

The contractor shall achieve or exceed in the performance of the contract the Contract Skills Development Goal (CSDG) established in the Standard for Developing Skills through Infrastructure Contracts (published in Government Gazette No 48491 of 23 April 2023 and the cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.

Failing to achieve the targeted Contract Skills Development Goal will result in A) a **thirty percent (30%)** penalty of the value of the portion not achieved, excluding VAT, and B) the issuing of completion certificates only after the completion certificate of achieving the skills development goal, counter-signed by the relevant individuals has been submitted, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 3 in the Standard and this cost will be used to determine the value in Rand and will be added to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.

C3.6.5.1 Methodology

The contractor shall achieve the measurable contract skills development goal by providing opportunities to learners requiring structured workplace learning using one or a combination of any of the following in relation to work directly related to the contract or order:

Method 1: structured workplace learning opportunities for learners towards the attainment of a part or a full occupational qualification;

Method 2: structured workplace learning opportunities for apprentices or other artisan learners towards the attainment of a trade qualification leading to a listed trade (GG No. 35625, 31 August 2012) subject to at least sixty percent (60%) of the artisan learners being holders of public TVET college qualifications;

Method 3: work integrated learning opportunities for University of Technology or Comprehensive University students completing their national diplomas;

Method 4: structured workplace learning opportunities for candidates towards registration in a professional category by a statutory council.

The contract skills participation goals, expressed in Rand, shall not be less than the contract amount multiplied by a percentage (%) factor given in Table 1 in the Standard for the applicable class of construction works.

Table 1: Contracting skills development goals for different classes of engineering and construction works contracts

Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004		Construction skills development goal (CSDG) (%)
Designation	**Description**	
CE	Civil Engineering	0.25
CE and GB	Civil engineering and General Building	0.375
EE	Electrical Engineering works (buildings)	0.25
EP	Electrical Engineering works (infrastructure)	0.25
GB	General Building	0.5
ME	Mechanical Engineering works	0.25
SB	Specialist	0.25

The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 2 in the Standard and this cost will be used to determine the value in Rand and will be added to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.

Table 2: Notional Cost of Training per Headcount
Source: cidb Standard for Skills Development

Type of Training Opportunity	Provision for stipends (Unemployed learners only)	Provisions for mentorship	Provisions for additional costs*	Total costs	
				Unemployed learners	Employed learners
Method 1					
Occupational qualification	**R7 000**	**R0**	**R9 000**	**R16 000**	**R9 000**
Method 2					
TVET College graduates	**R14 000**	**R0**	**R9 000**	**R23 000**	**N/A**
Apprenticeship	**R14 000**	**R0**	**R12 000**	**R26 000**	**R12 000**
Method 3					
P1 and P2 learners	**R24 000**	**R20 000**	**R4 500**	**R48 500**	**N/A**
Method 4					
Candidates with a 3 year diploma	**R37 000**	**R20 000**	**R4 500**	**R61 500**	**R20 000**
Candidates with 4 year qualification	**R47 000**	**R20 000**	**R4 500**	**R71 500**	**R20 000**

Note: the required CPG will be recalculated based on the awarded tender amount and "Contract amount" once the beneficiaries have been appointed and actual costs are known. The notional cost of providing training opportunities will increase by CPI on an annual basis based on April CPI. Should the rates increase after bid award or during construction the rates will be adjusted as a remeasuarble item.

(a) The successful contractor may employ part/full occupational qualification learners, trade qualification learners, work integrated learners or directly or through a Skills Development Agency (SDA), (A1 - List of cidb accredited SDAs).

(b) The successful contractor must employ at least sixty percent (60%) of the learners from an FET / TVET college should the contractor select to have part/full occupational qualification learners and trade qualification learners contributing to the CSDG.

(c) The successful contractor shall employ at least **N/A** from eligible part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates in the employment of the employer.

(d) The successful contractor shall ensure that no single method shall contribute more than seventy five percent (75%) of the CSDG for the contract.

(e) The successful contractor may only place thirty three percent (33%) employed employees or that of his subcontractors contributing to the CSDG.

(f) The contractor shall employ at least sixty percent (60%) of the learners from a Public FET / TVET college should the contractor select to have trade qualification learners (Method 2) contributing to the CSDG.

(g) One of the objectives of the project is to train **N/A** Occupational qualifications, trade qualification, work integrated learners – P1 and P2 learners, professional candidates.

C3.6.5.2 Management

(a) The successful contractor must keep site records regarding the part/full occupational qualification learners', trade qualification learners', work integrated learners' or candidates' progress, site attendance, hours worked and other relevant information as required by the Standard.

(b) The successful contractor shall provide the required number of appropriately qualified mentors to the maximum number of part/full occupational qualification learners, trade qualification learners, work integrated learners in the proportion as specified in the Standard.

(c) The successful contractor shall provide a supervisor to manage the training of the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates.

(d) The successful contractor shall submit to the employer's representative a baseline training plan in the specified format (Pro-forma A2) for the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates within 30 days of start of the contract.

(e) The successful contractor shall submit to the employer's representative project interim report in the specified format (Pro-forma A3) on the progress of each of part/full occupational qualification learner, trade qualification learner, work integrated learner, every three months.

(f) The successful contractor shall submit to the employer's representative the names and particulars in the specified format (Pro-forma A4) of the supervisor, mentors for the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates within 30 days of start of the contract.

(g) The successful contractor shall keep a daily record of all the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates on site and their daily activities and shall be made available to the employer's representative on request.

(h) The successful contractor shall submit to the employer's representative the reports on the progress and status of the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates with the monthly invoice for the payment certificate.

(i) The successful contractor shall have health and safety inductions for all part/full occupational qualification learners, trade qualification learners, work integrated learners or

(j) The successful contractor shall conduct entry and exit medical tests of all part/full occupational qualification learners, trade qualification learners, work integrated learners or

(k) The successful contractor shall provide personal protective equipment (PPE) to all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates at the start of their employment on site.

(l) Based on the agreed skills methods the contractor may employ part/full Occupational Qualification Learners and /or Trade Qualification Learners and/or Work Integrated Learners and/or Candidates directly or through a Skills Development Agency (SDA), training provider or skills development facilitator (Form A1 - List of cidb accredited SDAs). The contractor shall ensure that no more than one Method shall be applied to any individual concurrently in the calculation of the CSDG for the contract.

C3.6.6 NATIONAL YOUTH SERVICE TRAINING AND DEVELOPMENT PROGRAMME (NYS)

The National Youth Service Training and Development Programme is *not applicable* to this project.

The programme shall be implemented in terms of the Implementation of the National Youth Service Programme under the Expanded Public Works (EPWP) and shall be priced in the CPG section of the Bills of Quantities. Monthly reports are to be submitted to the Employer's Representative.

Failure by the contractors to achieve the specified number to be trained in the NYS section of the CPG section within the Bills of quantities will result in a Payment reduction as per bill of quantities per person, excluding VAT, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

C3.6.7 LABOUR-INTENSIVE WORKS

Labour Intensive Works is *not applicable* to this project.

Where labour intensive work is specified in the Bill of Qualities and specified by "LI" the contractor must price for and include in rates. Contractors are expected to use their initiative to identify additional activities that can be done labour-intensively to comply with the set minimum labour intensity target. Allowance must be made for submitting monthly reports illustrating the value of the works executed under Labour Intensive Works.

Failure by the contractor to achieve the specified value of the Labour Intensive Participation Goal as stipulated within the Bills of Quantities will result in a **thirty percent (30%)** penalty of the value of the works not done by means of labour intensive methods, excluding VAT, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

Employer's objectives:
The employer's objectives are to deliver public infrastructure using labour-intensive methods in accordance with EPWP Guidelines.

Labour-intensive works:
Labour-intensive works shall be constructed/maintained using local workers who are temporarily employed in terms of the scope of work.

Labour-intensive competencies of supervisory and management staff:

Contractors shall only engage supervisory and management staff in labour-intensive works that have completed the skills programme including Foremen/ Supervisors at NQF level 4 “National Certificate: Supervision of Civil Engineering Construction Processes” and Site Agent/ Manager at NQF level 5 "Manage Labour-Intensive Construction Processes" or equivalent QCTO qualifications (See Appendix C) at NQF outlined in Table 1

C3.6.7.1 GENERIC LABOUR-INTENSIVE SPECIFICATION

Contractors are referred to the Guidelines for the Implementation of Labour-intensive Infrastructure Projects under the Expanded Publics Works Programme (EPWP) for the generic labour-intensive specification applicable to the contract.

This specification establishes general requirements for activities which are to be executed by hand involving the following:

- trenches having a depth of less than 1.5 metres
- stormwater drainage
- roads
- sidewalks and non-motorised transport infrastructure
- water and sanitation

Precedence

Where this specification is in conflict with any other standard or specification referred to in the Scope of Works to this Contract, the requirements of this specification shall prevail

.

Hand excavateable material

Hand excavateable material is:

a) granular materials:

i) whose consistency when profiled may in terms of Table 3 be classified as very loose, loose, medium dense, or dense; or

ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 15 blows of a dynamic cone penetrometer is required to penetrate 100mm;

b) cohesive materials:

i) whose consistency when profiled may in terms of Table 3 be classified as very soft, soft, firm, stiff and stiff / very stiff; or

ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 8 blows of a dynamic cone penetrometer is required to penetrate 100mm;

Note

1) A boulder is material with a particle size greater than 200mm, a cobble and gravel is material between 60 and 200mm.

2) A dynamic cone penetrometer is an instrument used to measure the in-situ shear resistance of a soil comprising a drop weight of approximately 10 kg which falls through a height of 400mm and drives a cone having a maximum diameter of 20mm (cone angle of 60° with respect to the horizontal) into the material being used.

Table 3: Consistency of materials when profiled

GRANULAR MATERIALS		COHESIVE MATERIALS	
CONSISTENCY	**DESCRIPTION**	**CONSISTENCY**	**DESCRIPTION**
Very loose	Crumbles very easily when scraped with a geological pick.	Very soft	Geological pick head can easily be pushed in as far as the shaft of the handle.
Loose	Small resistance to penetration by sharp	Soft	Easily dented by thumb; sharp end of a geological pick can be pushed in 30-

	end of a geological pick.		40 mm; can be moulded by fingers with some pressure.
Medium dense	Considerable resistance to penetration by sharp end of a geological pick.	Firm	Indented by thumb with effort; sharp end of geological pick can be pushed in up to 10 mm; very difficult to mould with fingers; can just be penetrated with an ordinary hand spade.
Dense	Very high resistance to penetration by the sharp end of a geological pick; requires many blows for excavation.	Stiff	Can be indented by thumb-nail; slight indentation produced by pushing geological pick point into soil; cannot be moulded by fingers.
Very dense	High resistance to repeated blows of a geological pick.	Very stiff	Indented by thumb-nail with difficulty; slight indentation produced by blow of a geological pick point.

Trench excavation
All hand excavateable material in trenches having a depth of less than 1,5 metres shall be excavated by hand.

Compaction of backfilling to trenches (areas not subject to traffic)
Backfilling to trenches shall be placed in layers of thickness (before compaction) not exceeding 100mm. Each layer shall be compacted using hand stampers;
a) to 90% Mod AASHTO;
b) such that in excess of 5 blows of a dynamic come penetrometer (DCP) is required to penetrate 100 mm of the backfill, provided that backfill does not comprise more than 10% gravel of size less than 10mm and contains no isolated boulders, or
c) such that the density of the compacted trench backfill is not less than that of the surrounding undisturbed soil when tested comparatively with a DCP.

Excavation
All excavateable material including topsoil classified as hand excavateable shall be excavated by hand. Harder material may be loosened by mechanical means prior to excavation by hand. Any material which presents the possibility of danger or injury to workers shall not be excavated by hand.

Clearing and grubbing
Grass and bushes shall be cleared by hand.

Shaping
All shaping shall be undertaken by hand.

Loading
All loading shall be done by hand. Haulage equipment should be selected in a manner that allows loading by hand to the greatest extent possible.

Haul
Excavation material shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.

Offloading
All material, however transported, is to be off-loaded by hand, unless tipper-trucks are utilised for haulage.

Spreading
All material shall be spread by hand.

Compaction
Small areas may be compacted by hand provided that the specified compaction is achieved. Appropriate rollers should be used where higher (than can be achieved by hand) levels of compaction are required or for large areas.

Grassing
All grassing shall be undertaking by sprigging, sodding, or seeding by hand.

Stone pitching and rubble concrete masonry
All stone required for stone pitching and rubble concrete masonry, whether grouted or dry, must to be collected, loaded, off loaded and placed by hand.
Sand and stone shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.
Grout shall be mixed and placed by hand.

Manufactured Elements
Elements manufactured or supplied by the Contractor, such as manhole rings and cover slabs, precast concrete planks and pipes, masonry units and edge beams shall not individually, have a mass of more than 320kg. Where the mass of an element exceeds 55 kg, consideration should be given to the size of the element relative to its total mass related to the number of workers who would be needed to lift such mass

C3.7 Submission of Accrual Reports

The Contractor shall submit accrual reports to the client representative at the end of March and September each year for the duration of the Service Contract period from the date of appointment up to and including project closeout. This is to ensure that PMTE complies with the accounting framework GRAP, which requires that PMTE disclose all its accruals as at the end of each reporting date.

C3.8 Submission of Monthly Local Material Utilisation Report (Local Content)

Submission of Monthly Local Material Utilisation Report (Local Content) *not applicable* to this project.

The Contractor shall when applicable to this project, be responsible for record keeping, documenting and submission of monthly local material utilization report with supporting documentation to the Employer's representative within 7 working days of the beginning of the successive month, in terms of DTI&C designated industry/sector/sub-sector schedule as per the PA36 and Annexures C attached to the tender document. The final percentage achievement to be reconciled upon completion of the project and form part of the final account.

Failure by the contractor to achieve the specified percentage of local content per designated industry/sector/sub-sector as listed will result in a thirty percent thirty percent (30%) penalty of the value not achieved, excluding VAT, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control.

Examples of calculating CPGs and related penalties

CPGs values are based on the Tender Amount at the time of the award. Determining the actual values is based either on the Tender Amount including allowances and Vat or the Tender Amount at the time of award excluding allowances and VAT, where Allowances include the following:

- Provisional amounts
- CPG allowances
- Nominated and/or selected subcontractors
- Contract price adjustment (Not provided for within the B of Q by NDPWI)
- Contingency amounts (Not provided for within the B of Q by NDPWI)

CPG values in the CPG Bill of Quantities Section will be recalculated based on the "Tender Amount" or the "Contract Amount" which ever applicable and the provisional amounts adjusted accordingly. Sanctions (penalties) are applicable to all CPGs where the contractor fails to achieve the minimum specified requirements, unless the contractor can prove to the Employer's satisfaction that the non-achievement was beyond his/her control. No penalties will be applied should the CPG value, based on the original "Tender Amount" or the "Contract Amount", has been achieved.

1.1 Targeted Local Building Material Manufacturers CPG

When applicable, the CPG is expressed as a percentage of the "Contract Amount", i.e. the Tender Amount at the time of award excluding allowances and VAT.

CPG calculation example:
"Tender Amount" = R150 Mil all inclusive of allowances and VAT
"Contract Amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
CPG to be achieved = 5% as specified in the Scope of Works (PG01.2)
CPG target value = R130 Mil x 5% = R 6,5 Mil (Value of material to be purchased from local manufacturers, excluding VAT)

Calculation of penalty:
Percentage penalty applicable = 10% as specified in the Scope of Works (PG01.2)
CPG target value = R6,5 Mil excluding VAT
CPG Achieved = R5,5 Mil (R1 Mil shortfall) excluding VAT
Penalty = R1 Mil x 10% = R100 000 excluding VAT

1.2 Targeted Local Building Material Suppliers CPG

When applicable, the CPG is expressed as a percentage of the "Contract Amount", i.e. the Tender Amount at the time of award excluding allowances and VAT.

CPG calculation example:
"Tender Amount" = R150 Mil all inclusive of allowances and VAT
"Contract Amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
CPG to be achieved = 5% as specified in the Scope of Works (PG01.2)
CPG target value = R130 Mil x 5% = R 6,5 Mil (Value of material to be purchased from local suppliers, excluding VAT)

Calculation of penalty:
Percentage penalty applicable = 20% as specified in the Scope of Works (PG01.2)
CPG target value = R6,5 Mil excluding VAT
CPG Achieved = R5,5 Mil (R1 Mil shortfall) excluding VAT
Penalty = R1 Mil x 20% = R200 000 excluding VAT

1.3 Targeted Local Labour Skills Development CPG

When applicable, the CPG is expressed as a percentage of the total number working days required to

complete the Works.

CPG calculation example:
"Tender Amount" = R150 Mil all inclusive of allowances and VAT
"Contract amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
Number of working days required to complete the Works based on the construction period = 600 days
CPG percentage participation to be achieved = 30% as specified in the Scope of Works (PG01.2)
Required number of working days training to be provided = 180 days (600 x 30%)

Calculation of penalty:
Payment reduction = R 5 000 per day for not providing training as specified in the Scope of Works (PG01.2)
CPG = 600 working days x 30% = 180 working days training to be provided
CPG Achieved = 160 days (20 days shortfall where no training was provided)
Penalty = 20 days x R5 000 payment reduction per day= R100 000 excluding VAT

1.4 Cidb BUILD Programme: Enterprise Development

When applicable, the Enterprise Development CPG expressed as a percentage of the "Contract amount" = Tender amount at the time of award excluding allowances and VAT. Failure to achieve the minimum Targeted Local Labour Skills Development CPG will result in a payment reduction of an amount specified in the Scope of Works (PG01.2) per working day where training was not provided.

The monetary value of training to be provided is stipulated in the CPG BoQ section. The number of beneficiaries to be trained is dependent on the "Contract Amount" as well the number of beneficiaries appointed which will generally resort under the Grade 1 and 2 cidb categories. The provisional amount will therefore be adjusted in terms of the "contract Amount", the number of beneficiaries to be trained and the actual cost for providing the training.

Part 1: Calculation of 5% CPG example:
"Tender Amount" = R150 Mil all inclusive of allowances and VAT
"Contract Amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
CPG percentage participation to be achieved = 5% as specified in the Scope of Works (PG01.2) CPG value = R6,5 Mil (Value of work to be subcontracted to emerging enterprises)

Calculation of penalty
Percentage penalty applicable = 30% as specified in the Scope of Works (PG01.2)
CPG Minimum 5% = R6,5 Mil
Achieved = R5,5 Mil (Only subcontracted work to the value of R5,5 Mil, i.e. R1 Mil shortfall)
Penalty = R1 Mil x 30% = R300 000 Excl. VAT

Part 2: Calculations in terms of training to be done:
The number of enterprises to be developed is subject to the contract amount and the apportionment of the work as per Example 1 below.
Number of enterprises to be trained = 6 x 1 GB subcontractors
Total cost for training = R 1 660 000

Calculation of penalty
Total number of enterprises to be trained = 6
Total number trained = 4 (2 Shortfall)
Training cost per beneficiary = R1 660 000 / 6 = R 276 666,67 per beneficiary
Penalty = R 276 666,67 x 2 x 30% = R166 000 Excl. VAT

B of Q Item	Description	Unit	Rate	Quantity	Amount (R)
5	**Enterprise Development**				
5.1	Enterprise Development of Targeted Enterprise or JV partners				
5.1.1	Appointment of training co-ordinator	Per Quarter	45 000	8	360 000
5.1.2	Appointment of Mentor /Training Service provider	Per Quarter	135 000	8	1 080 000

B of Q Item	Description	Unit	Rate	Quantity	Amount (R)
5.1.3	Needs Analysis and Enterprise Development Plan per Targeted Enterprise	No.	5 000	6	30 000
5.1.4	Monitoring and Interim reporting per targeted enterprise	Per Quarter	20 000	8	160 000
5.1.5	Project Completion report per Targeted Enterprise	No.	5 000	6	30 000
	Provisional Sum to be carried over to CPG bill of quantities				**1 660 000**

"Contract amount" Tender amount excl. allowances and VAT.	130 000 000	
CPG Monetary value (5%) to be subcontracted to beneficiaries for training	6 500 000	
No of enterprises based on the CPG value	6	Grade 1 / 2 GB/CE,ETC.
Contract period (months)	24	

Note: Rates to be determined by PQS and adjusted to accepted quotation amounts

1.5 Cidb BUILD Programme: Skills Development (Principal contractor including subcontractors and consultants)

When applicable, the contract skills development participation goals, expressed in Rand, shall be no less than the "contract amount" multiplied by a percentage (%) factor for the applicable class of construction works.

The monetary value of training to be provided is stipulated in the CPG BoQ section. The number of beneficiaries to be trained is dependent on the "Contract Amount" as well the number of beneficiaries appointed which will generally resort under the Grade 1 and 2 cidb categories. The provisional amount will therefore be adjusted in terms of the "Contract Amount", the number of beneficiaries to be trained from which *Method* and the actual cost for providing the training.

CPG Calculation

Table 2: Contracting skills development goals for different classes of engineering and construction works contracts

Source: cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020 (Page 7)

Class of construction works as identified in terms of Regulation 25 (3) of the Construction Industry Regulations 2004		Construction skills development goal (CSDG) (%)
Designation	**Description**	
CE	Civil Engineering	0.25
CE and GB	Civil engineering and General Building	0.375
EE	Electrical Engineering works (buildings)	0.25
EP	Electrical Engineering works (infrastructure)	0.25
GB	General Building	0.5
ME	Mechanical Engineering works	0.25
SB	Specialist	0.25

"Contract amount" = Tender amount at the time of award excluding allowances and expenses, and VAT

Contractor CPG:

CPG calculation
"Contract amount" x factor from Table 3 above.

CPG calculation example:
"Tender Amount" = R150 Mil for GB, all inclusive of allowances and VAT
"Contract Amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
Factor for GB = 0,5% (as per Table 2 above)
CPG in R value = R130 Mil x 0,5% = R650 000 i.e. total notional cost of training to amount to R650 000

Calculation of penalty:
Percentage penalty applicable = 30% as specified in the Scope of Works (PG01.2)
CPG value = R650 000

Achieved = R550 000 = R100 000 Shortfall
Penalty = R100 000 x 30% = R30 000 Excl. VAT

Calculations based on "Contract Amount" after bid award and appointment of beneficiaries
Actual CPG training requirement value after award upon selecting method/s of training and appointment of beneficiaries = R676 000 (Table 4 below) and the provisional amount allowed for to be adjusted accordingly. The new monetary value of training required will then form the basis for determining penalties applicable. No penalties will be applied should the CPG value, based on the "Contract Amount" be achieved.

Table 4: Notional cost recalculation upon appointment of beneficiaries.
Source: cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020 (Page 10)

Skills Types	Number of learners	Notional Cost / Learner / Quarter	Notional cost / learner / year	Total Notional Cost over 12 months Contract
Method 2: Workplace learning opportunities, with unemployed TVET graduates	2	R23 000	R92 000	R184 000
Method 3: Candidacy for an unemployed learner with a 3-year qualification	2	R61 500	R246 000	R492 000
Total	4			R676 000

Note: the required CPG will be recalculated based on the awarded Tender amount and "Contract Amount" once the beneficiaries have been appointed and actual costs are known

Note: The notional cost of providing training opportunities will increase by CPI on an annual basis based on April CPI as published by Stats SA. The rates will be adjusted as an adjustment to the provisional amounts should the rates increase after bid award or during the construction period

1.6 National Youth Service Programme (NYS) CPG

When applicable, a separate NYS Bill of Quantities will be included in the tender documentation will indicate the number of beneficiaries to be trained.

Calculation of penalty:
Payment reduction per person not trained as stipulated in the NYS Bill of Quantities = R 2 500 per person.
Total number of NYS Beneficiaries as stipulated in the NYS Bill of Quantities = 25
Total Number of NYS beneficiaries trained = 20 (shortfall of 5 beneficiaries)
Penalty = 5 x R2 500 = R12 500 Excl. VAT

1.7 Labour Intensive Works CPG

When applicable, the work to be done by way of Labour intensive methods are specified in the Bills of Quantities with a "LI".

CPG calculation example:
"Tender Amount" = R150 Mil all inclusive of allowances and VAT
"Contract Amount" = R130 Mil (Tender Amount at the time of award excluding allowances and VAT)
CPG value = R10 Mil (Total value of labour-intensive works specified in the Bills of Quantities)

Calculation of penalty:
CPG value = R10 Mil
Percentage penalty applicable = 30% as specified in the Scope of Works (PG01.2)
CPG Achieved = 9 Mil (R1 Mil shortfall)
Penalty = R1 Mil x 30% = R300 000 Excl. VAT

public works
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Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

CAPE TOWN: PARLIAMENTARY PRECINCT: UPGRADE AND RECONFIGURATION OF VARIOUS KITCHENS INCLUDING REPLACEMENT OF EQUIPMENT AND ASSOCIATED WORKS

WCS 054967
REFERENCE NO: 3/12/20/2/24

CPT 1004/25

TERMS OF REFERENCE

LOCALITY

The proposed upgrade and renovations to the various kitchens are to take place at the Cape Town Parliamentary Precinct Complex

The Cape Town Parliamentary Precinct Complex is located as follows:

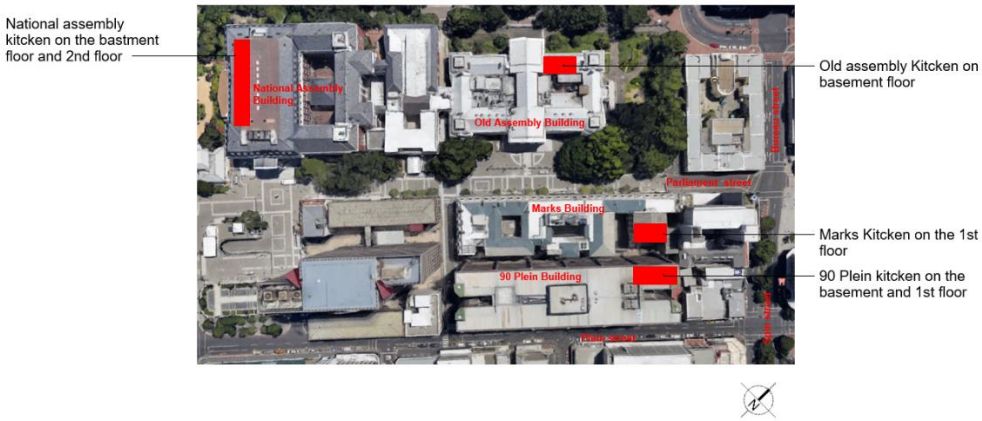
GPS Coordinates	Decimal	Decimal	Deg Min & Sec	Deg & Decimal Min
Latitude	-33.309772°	S 33.309772°	**33°55'33.99" S**	33° 18.586'
Longitude	18.484763°	E 18.484763°	**18°25'08.19" E**	18° 29.086'

Physical Address:

The Parliamentary Precinct is bordered by Plein, Spin, Parliament, and Bureau Streets in the Cape Town Business District.

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CAPE TOWN PARLIAMENTARY PRECINCT



The existing complex consists of various interlinked buildings.

SCOPE OF WORK

The project's scope of work in terms of the replacement of redundant kitchen equipment as well as renovations to three of the main kitchen facilities in the Parliamentary Precinct. The extent of the work required is outlined in this report.

The following kitchens were identified in the scope of work:

1. NCOP Kitchen
2. Marks Building Kitchen
3. 90 Plein Street Kitchen

1. NCOP Kitchen

The kitchen is in good condition and has recently been revamped. Replacement of

some kitchen equipment and the gas installation require attention. No building works will be done in the kitchen.

2. Marks Building Kitchen

The kitchen is in good condition but requires some building repairs e.g. replacement of the floor and wall tiles, the replacement of some kitchen equipment and the gas installations require attention.

General note

- **Floors** ceramic tiles to be removed and replaced with new floor finish to comply with health regulations current tiles are old and chipped, and many need to be replaced.
- Existing suspended ceiling is to be replaced with a new suspended ceiling to comply with health regulations current ceiling is not suitable for commercial kitchen use.
- All lighting and electrical plugs to be replaced
- Existing wall tiles to be removed. New wall tiles are to then be applied to the underside of the ceiling to comply with health regulations.
- New wall to be built to 1.2m above the finish floor level for electrical plugs.
- All cold freezers are to be replaced and the design layout is to be revised the current state of the freezers do not comply with health regulation for commercial kitchen floors are damaged and the aircon temperature does not fully function.
- Include new ceiling exhaust fan

Room off the main kitchen

- A Breakthrough of the false wall (tiled over) in the kitchen, to utilize all available space to store for pots & pans.

Coffee area

- The joinery and kitchen countertop are not in the best of state need to be replaced.

3. 90 Plein Street Kitchen

The kitchen is in a bad dilapidated condition with lots of kitchen equipment being out of order. This is the most congested kitchen serving hundreds of patrons per day. The kitchen layout is not suitable for food processed on a daily basis.

The fridge and storage areas are in the basement; a small lift assists in getting items from the basement to the kitchen.

Ground floor

- Floors of ceramic tiles to be removed to be replaced with new floor finish to comply with health regulations current tiles are old and chipped, and many need to be replaced.
- The suspended ceiling is to be replaced with a new suspended ceiling to comply with health regulations current ceiling is not suitable for commercial kitchen use.
- All lighting and electrical plugs to be replaced **(Refer to Electrical Engineer drawings/Report)**
- Existing wall tiles to be removed. New wall tiles are to then be applied to the underside of the ceiling to comply with health regulations.
- All cold freezers are to be replaced and the design layout to be revised the current state of the freezers do not comply to Health Regulation for commercial kitchen use floors are damage and aircon temperature does not fully function.
- Deep freezers to be bigger than the cold room as there more meats and other products that you require to keep on hand for a long time period.
- Include new ceiling exhaust fan. **(Refer to Mechanical Engineer drawings/Report)**
- Staircase to be redesigned **(Structural Engineer to confirm)**
- Change storeroom to a cold room.
- New proposed chemical room to be added for building work.
- Ablution block to form part of the kitchen revamp.

First floor

- Floors ceramic tiles to be removed to be replaced with new flooring to comply with health regulations current tiles are old and chipped, and many need to be replaced.
- The suspended ceiling is to be replaced with a new suspended ceiling to comply with health regulations current ceiling is not suitable for commercial kitchen use.
- All lighting and electrical plugs to be replaced **(Refer to Electrical Engineer drawings/Report)**
- Existing wall tiles to be removed. New wall tiles to then be applied to the underside of the ceiling to comply with health regulations.
- All cold freezers are to be replaced and the design layout to be revised the current state of the freezers do not comply with health regulation for a commercial kitchen, floors are damaged and the aircon temperature does not fully function.
- Deep freezers to be bigger than the cold room as there are more meats and other products that you require to keep on hand for a long time period.
- Include a new ceiling exhaust fan. **(Refer to Mechanical Engineer drawings/Report)**

Heritage

The kitchens form part of the Parliamentary Precinct complex which has significant heritage value. All aspects of the project deal with 'back of house' spaces and minor upgrades to kitchen facilities which do not affect the aesthetics of the heritage structures in which they are located in.

Preliminary programme

Project duration is 10 months (construction period).

The following items will be considered in assess the risk to the employer.

Refer to Item 7 on PA-04: Notice and Invitation to Bid, Eligibility in respect of risk to the employer.

Experience of personnel required.

- A CV f an Electrician with a wireman's License and 4 years (as per PA-04).
- In addition, the tenderer will be required to appoint a Site Agent who shall be present on site on a full-time basis for the entire duration of the project.

Security Evaluation and Clearance

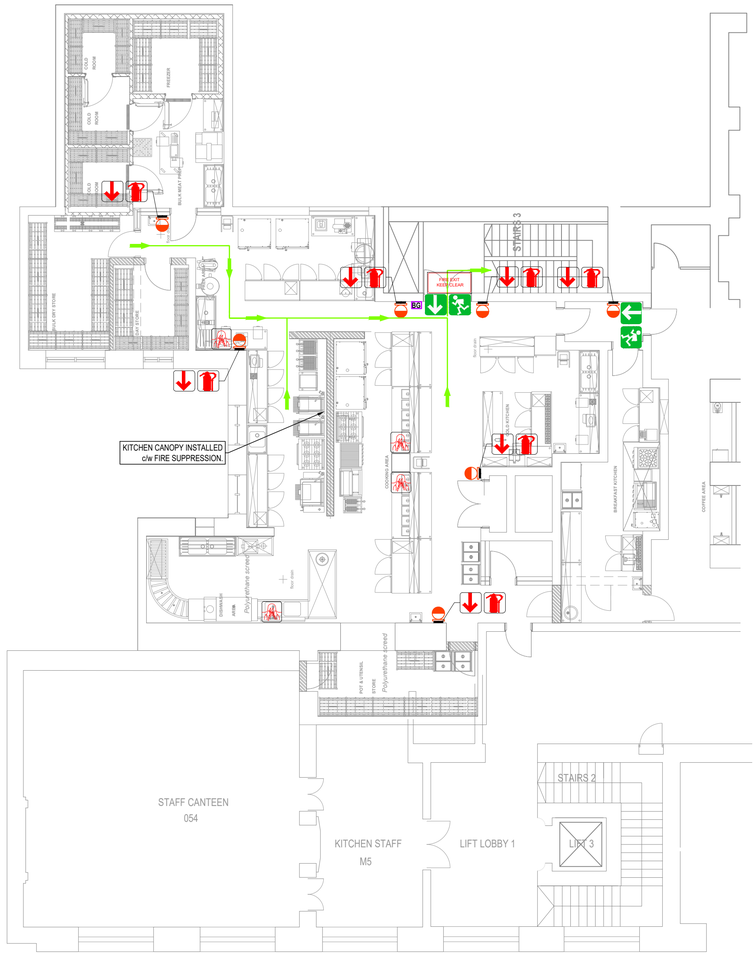
The information submitted by the bidding entity shall be forwarded to the State Security Agency for purposes of security evaluation and clearance and the findings and determination thereof will form the basis on which the risk to employer is assessed.

Conclusions

The kitchens are of age, and the scope of works includes a complete renovation of all the components such as floors, walls, ceilings, sanitary fittings, and kitchen equipment including the associated electrical and mechanical works.

MECHANICAL DRAWINGS

Thursday, June 09, 2022 3:02:32 PM



GROUND FLOOR
SCALE 1:100

FIRE NOTES:

1. *STRUCTURAL STABILITY AS PER SANS 10400: PART-T 30min.*
2. *FIRE EXTINGUISHERS, FIRE HOSE REELS AND FIRE HYDRANTS TO SANS 10400-T. PRESSURE GAUGES TO BE INSTALLED AT EACH FIRE HOSE REEL.*
3. *ALL SIGNS SHALL CONFORM TO SANS 1186. ALL SIGNS TO BE PHOTO-LUMINESCENT TYPE, 290x290mm. EXCEPT FOR EXIT SIGNS THAT SHALL BE INTERNALLY ILLUMINATED. ILLUMINATED EXIT SIGNS TO BE GREEN LETTERS ON WHITE BACKGROUND AND MUST BE ON EMERGENCY POWER OR BATTERY PACK.*
4. *ALL SIGNAGE TO BE MECHANICALLY FIXED. HANGING SIGNAGE TO BE SUSPENDED FROM SOLID ROD/ BRACKETS AND NOT CHAINS/ CABLES.*
5. *NO SMOKE VENTILATION IS REQUIRED DIVISION AREAS ARE COMPARTMENTALIZED TO AREAS LESS THAN 500m².*
6. *TRAVEL DISTANCE DO NOT EXCEED 45m NO EMERGENCY ROUTES REQUIRED.*
7. *ANY OPENING IN ANY EXTERNAL WALL OF ANY DIVISION MUST BE EQUAL OR GREATER 1000mm APART.*
8. *DOORS ON ACCESS CONTROL TO CLOSE/RELEASE ON FIRE DETECTION SIGNAL.*
9. *ALL ESCAPE DOORS IN ESCAPE ROUTE TO SWING IN DIRECTION OF TRAVEL.*
10. *ALL PENETRATIONS AND OPENINGS IN WALLS INDICATED AS FIRE WALLS AS PER THE FIRE PLAN DRAWINGS ARE TO BE CLOSED UP AND AND FIRE SEALED TO THE SAME RATING REQUIRED FOR THE SAID WALLS, USING SABS APPROVED PRODUCTS.*

SYMBOL LEGEND

SYMBOL	DESCRIPTION
	30m PVC FIRE HOSE REEL
	65mm RIGHT-ANGLE FIRE HYDRANT
	BOOSTER CONNECTION
BG	BREAK GLASS UNIT
	HYDRANT MAIN SUPPLY (Ø80 - 100)
	FIRE HOSE REEL SUPPLY (Ø25 - 50)
	30 MINUTE FIRE RATED WALL
	60 MINUTE FIRE RATED WALL
	120 MINUTE FIRE RATED WALL
A	CLASS A 60min SELF CLOSING FIRE DOOR
B	CLASS B 120min SELF CLOSING FIRE DOOR
F	*CLASS F 30min SELF CLOSING FIRE DOOR*
L	2 HOUR FIRE RATED LIFT DOOR WITH SMOKE SEAL BETWEEN LEAVES
	DIRECTIONAL ARROW
	9Kg DCP FIRE EXTINGUISHER
	4.5Kg DCP FIRE EXTINGUISHER
	5kg CO² FIRE EXTINGUISHER

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Department:
Public Works
REPUBLIC OF SOUTH AFRICA

PROJECT

PARLIAMENT PRECINCT
KITCHEN
REPLACEMET OF EQUIPMENT

DRAWING TITLE

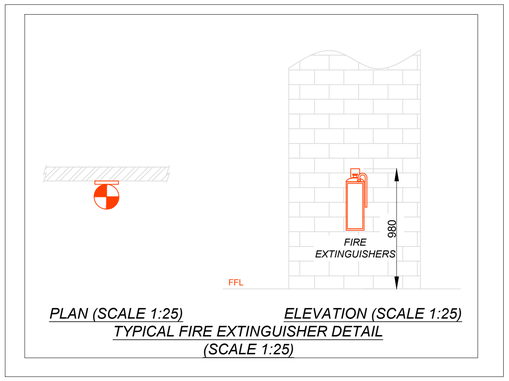
MARKS BUILDING
GROUND FLOOR
FIRE PROTECTION LAYOUT

APPROVED BY BVI

ENGINEER/TECHNOLOGIST | 200970062 REG. NO. | 24/05/2022 DATE

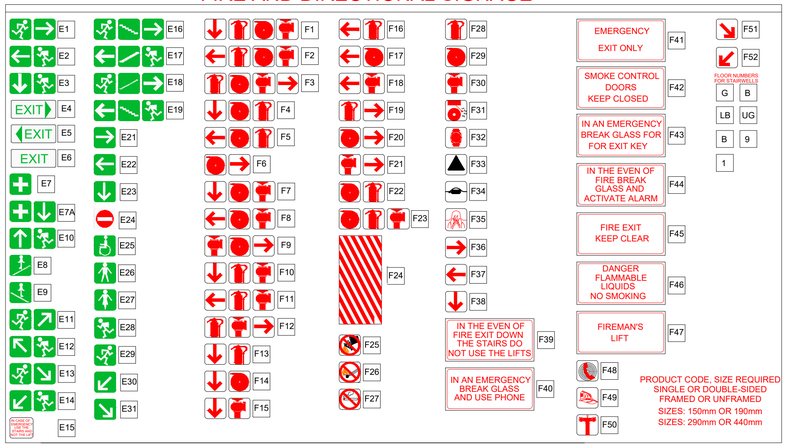
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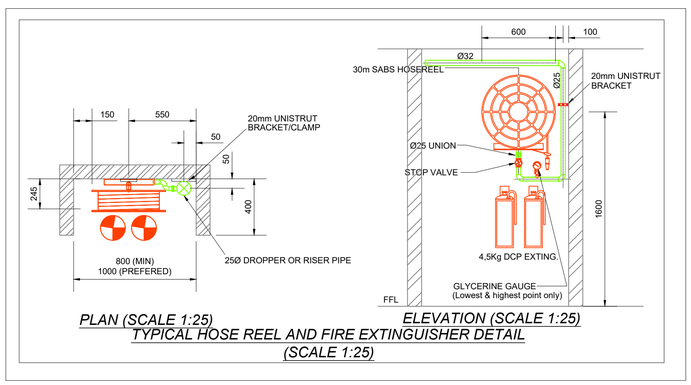
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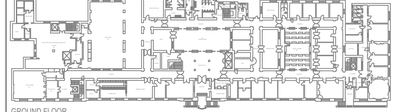
PLAN (SCALE 1:25) *ELEVATION (SCALE 1:25)*
TYPICAL FIRE EXTINGUISHER DETAIL
(SCALE 1:25)

FIRE AND DIRECTIONAL SIGNAGE





PLAN (SCALE 1:25) *ELEVATION (SCALE 1:25)*
TYPICAL HOSE REEL AND FIRE EXTINGUISHER DETAIL
(SCALE 1:25)



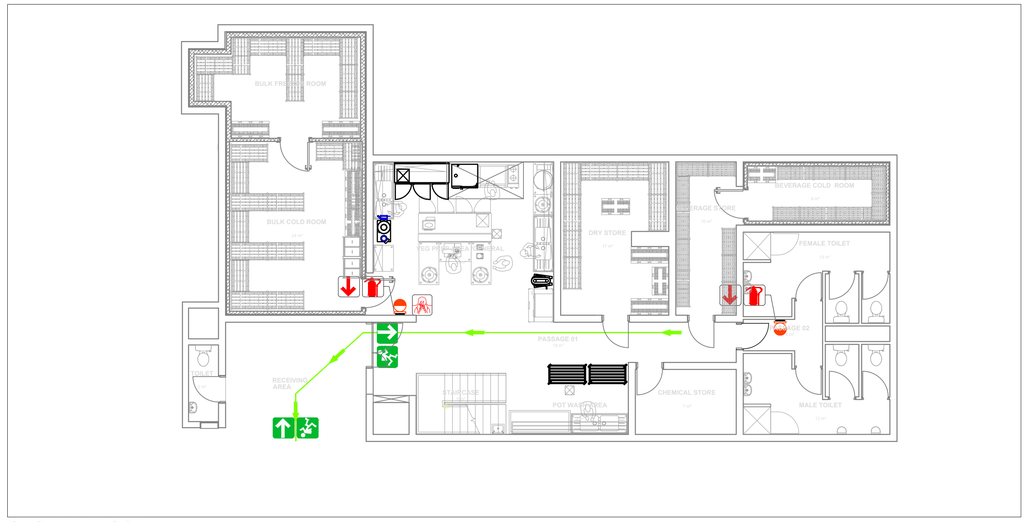
- KEY PLAN -

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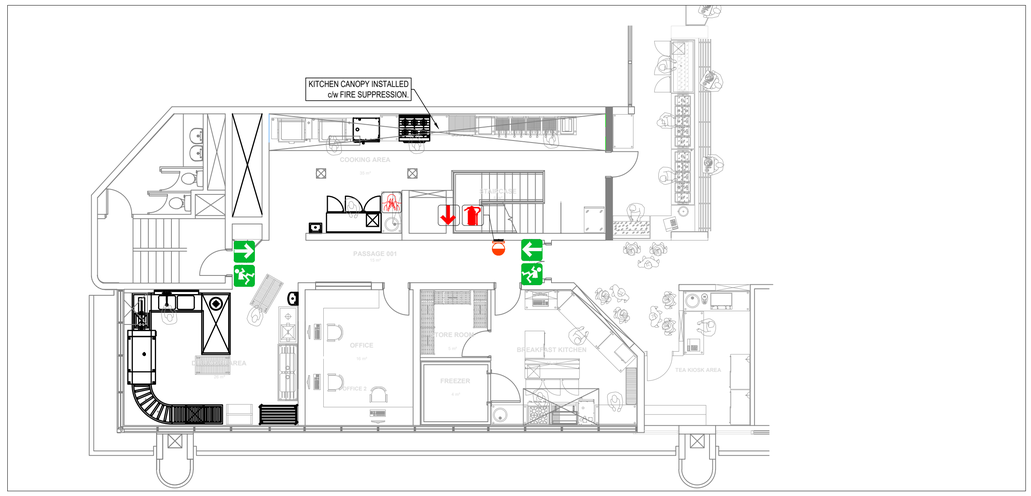
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33547.01-01-720 REV A (MARKS KITCHEN).DWG

Thursday, June 09, 2022 3:03:42 PM

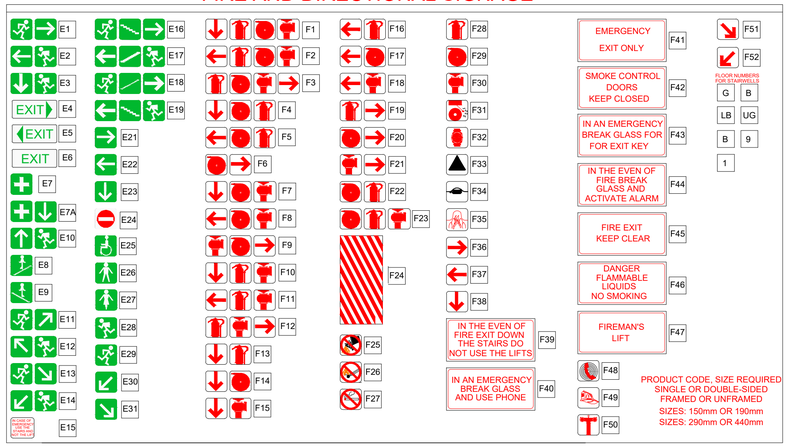


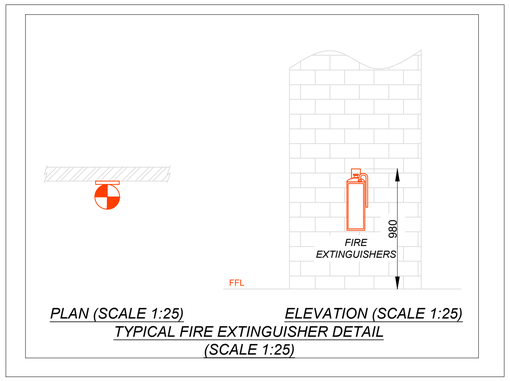
GROUND FLOOR
SCALE 1:100

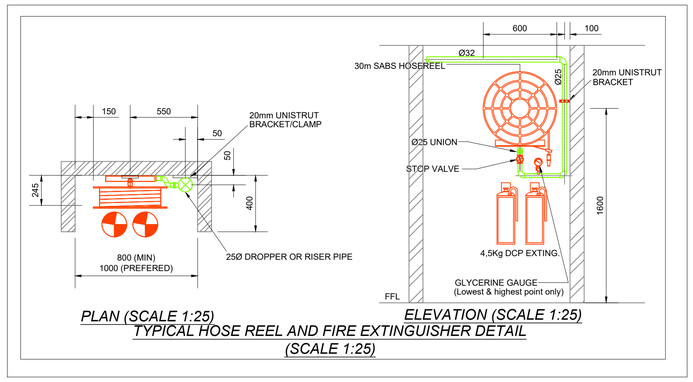


FIRST FLOOR
SCALE 1:100

FIRE AND DIRECTIONAL SIGNAGE







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	4.5Kg DCP FIRE EXTINGUISHER
	5kg CO² FIRE EXTINGUISHER

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PROJECT

PARLIAMENT PRECINCT
KITCHEN
REPLACEMET OF EQUIPMENT

DRAWING TITLE

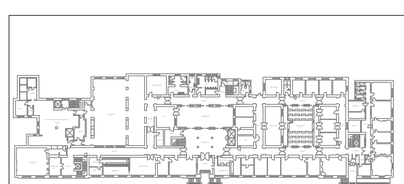
90 PLEIN STREET
GROUND & FIRST FLOOR
FIRE PROTECTION LAYOUT

APPROVED BY BVI

ENGINEER/TECHNOLOGIST | 200970062 REG. NO. | 03/06/2022 DATE

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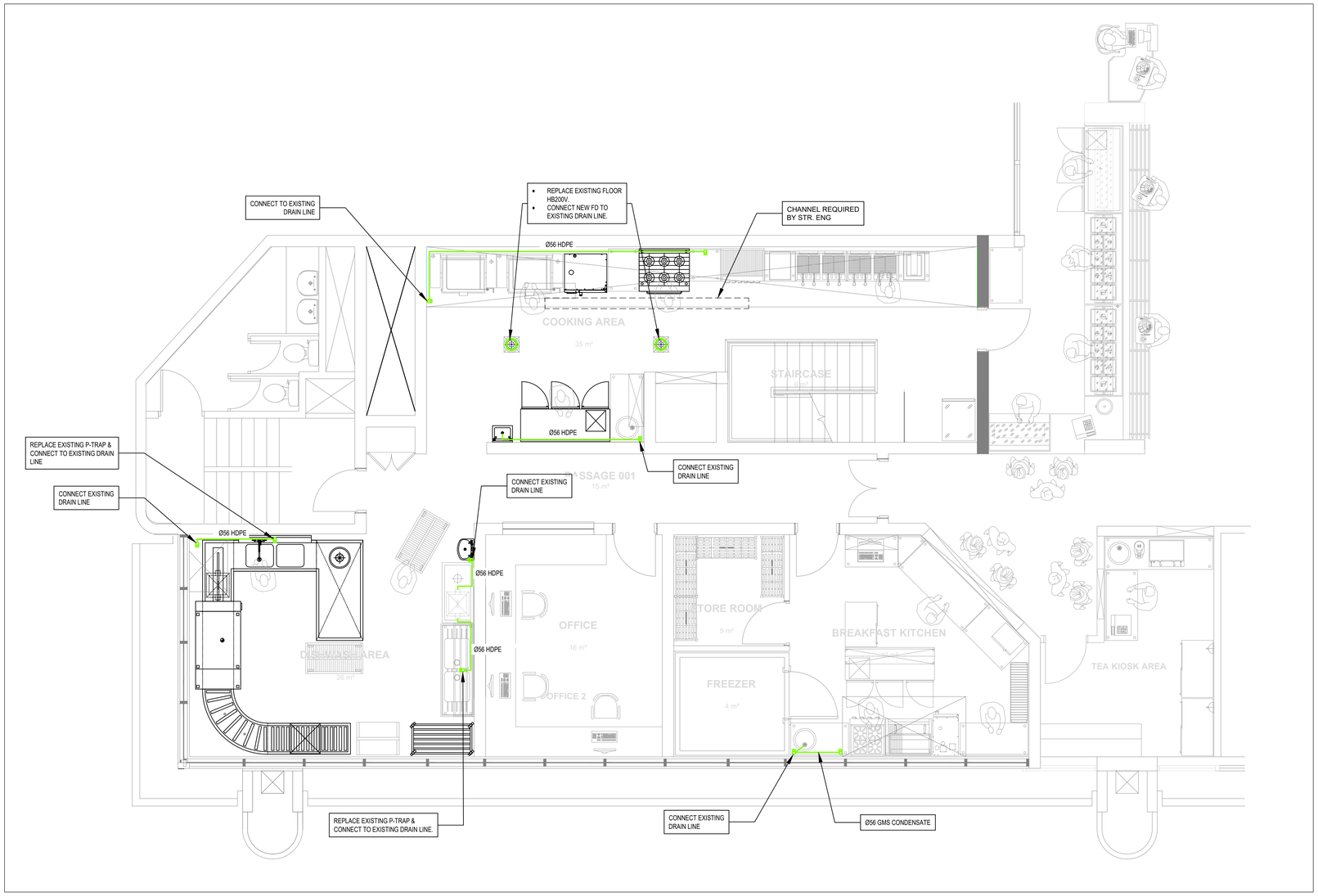


- KEY PLAN -

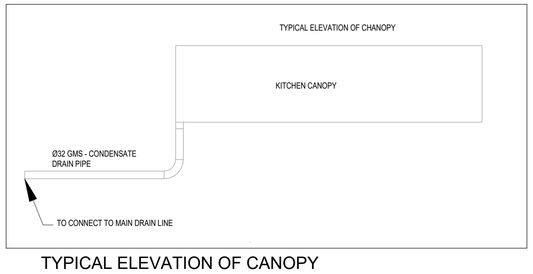
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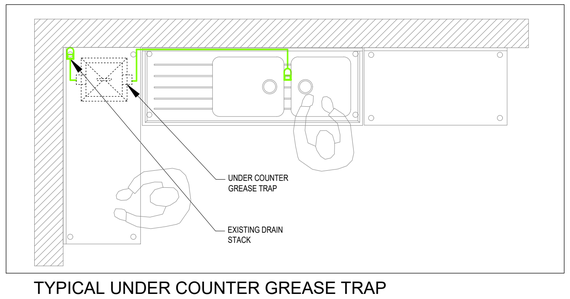
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UPPER GROUND FLOOR
SCALE 1:50



TYPICAL ELEVATION OF CANOPY
SCALE: NTS



TYPICAL UNDER COUNTER GREASE TRAP CONNECTION DETAILS
SCALE: NTS

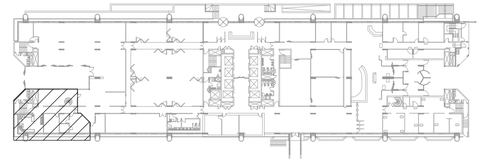
DRAINAGE & RAINWATER LEGEND

S = STACK
V = VENT
RE = RODDING EYE
IE = INSPECTION EYE
FD = FLOOR DRAIN

FA = FROM ABOVE
FB = FROM BELOW
TA = TO ABOVE
TB = TO BELOW
CD = CONDENSATE DRAIN

- SHOWER DRAIN
- CAST IRON FBO
- HDPE TERRACE OUTLET
- PLUVIA OUTLET 12 l/s
- BALL FITTING
- GULLEY
- WM / DW SINK CONNECTION
- ANTI-VAC TRAP
- VALSIR INTEGRAL WM / DW WASTE CONNECTION AND TRAP.
- HWC DRIP TRAY
- RODDING EYE IN GROUND
- OVAL INSPECTION EYE
- ROUND ACCESS/RODDING EYE
- DRAINAGE PIPELINE ABOVE SLAB
- DRAINAGE PIPELINE IN SLAB/UNDERGROUND
- DRAINAGE PIPELINE AGAINST SOFFIT
- STORMWATER PIPELINE ABOVE SLAB
- STORMWATER PIPELINE IN SLAB/UNDERGROUND
- STORMWATER PIPELINE AGAINST SOFFIT
- PLUVIA PIPELINE ABOVE SLAB
- PLUVIA PIPELINE IN SLAB/UNDERGROUND
- PLUVIA PIPELINE AGAINST SOFFIT

TYPICAL DETAIL OF FLOOR DRAIN SECTION HB 200V
SCALE 1:5



- KEY PLAN -

DRAINAGE NOTES

1. ALL PRIMARY CO-ORDINATION TO BE THE RESPONSIBILITY OF THE PRINCIPAL AGENT.
2. DRAIN PIPES AND FITTINGS TO COMPLY WITH SPECIFICATIONS:
   SABS 0252-2
   BS 5750
   EN 1519
3. DRAINAGE INSTALLATION TO BE HDPE PIPES AND IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
4. ALL HWC DRIP TRAYS TO BE COMPLETE WITH 75MM DEEP GLYCERINE FILLED TRAPS.
5. ALL DRAIN LINES ABOVE, CAST INTO rc SLABS AND UNDERGROUND, TO HAVE A 1:60 FALL, UNLESS OTHERWISE INDICATED.
6. ALL VENT PIPES PENETRATING TILED ROOFS TO BE WATERPROOFED OR FLASHED TO ARCHITECTS DETAIL.
7. PLEASE NOTE THAT, WHERE APPLICABLE, BALL FITTINGS MUST HAVE REDUCED BRANCH CONNECTIONS TO SUITE BRANCH PIPE DIAMETER.
9. PLEASE NOTE THAT REDUCING Y-BRANCHES ARE TO BE USED WHERE APPLICABLE.
10. ALL WCs WASTE PIPE TO BE INSTALLED WITH STUB-STACK

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Registration no: 1996/000157/07

CLIENT

public works
Department:
Public Works
REPUBLIC OF SOUTH AFRICA

PROJECT

PARLIAMENT KITCHEN UPGRADE

DRAWING TITLE

90 PLEIN STREET
UPPER GROUND FLOOR
PLUMBING AND DRAINAGE

APPROVED BY BVI

ENGINEER/TECHNOLOGIST | 200970062 REG. NO. | 24/05/2022 DATE

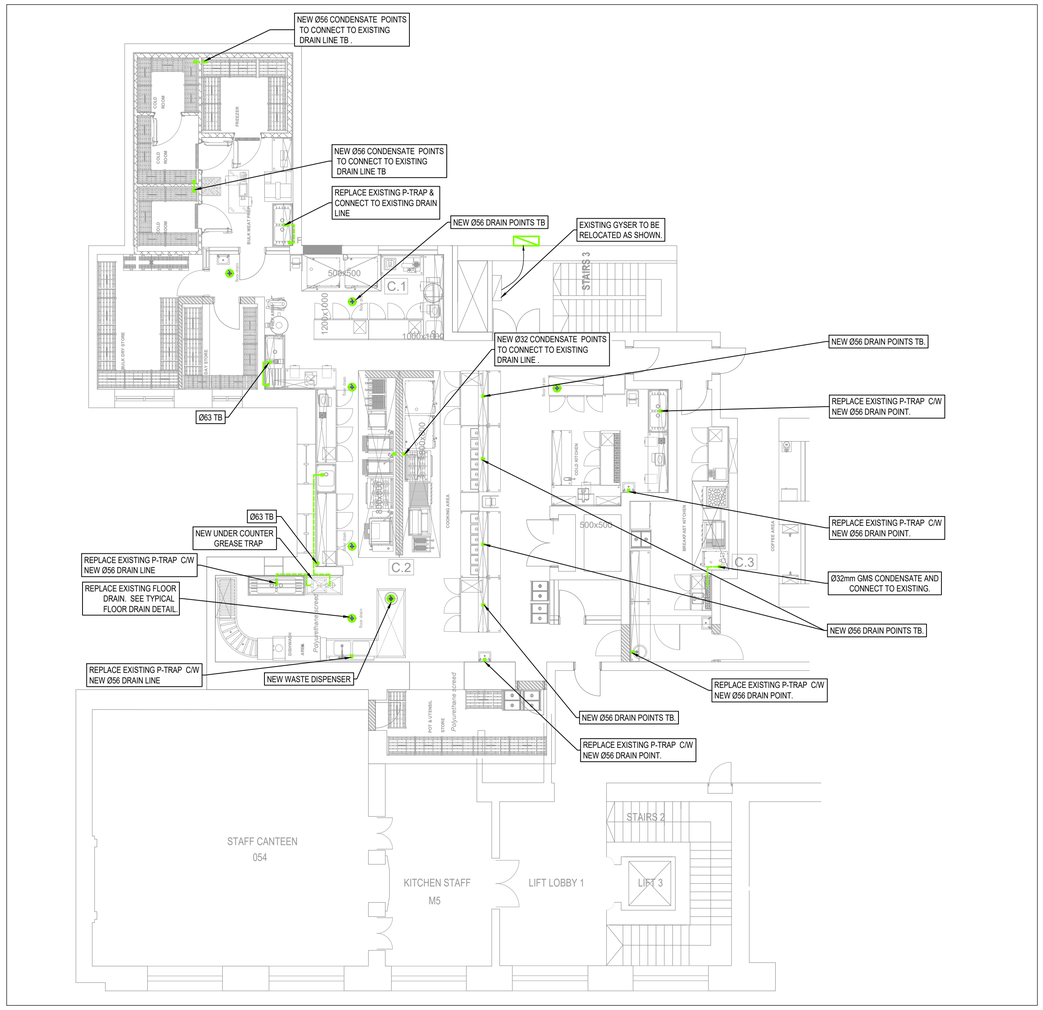
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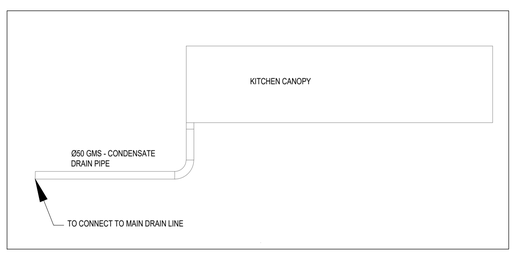
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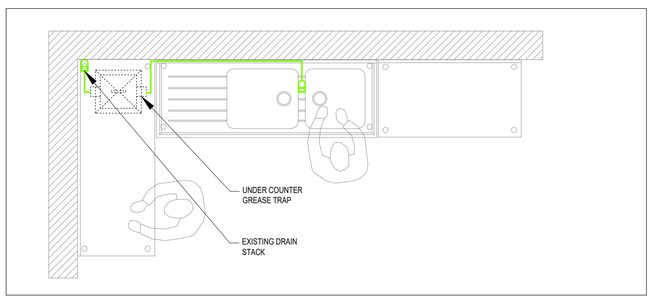
33547.01-710-01 REV A 90 PLEIN STREET UPP GRND.DWG



MARKS BUILDING
SCALE 1:100



TYPICAL ELEVATION OF CANOPY
SCALE: NTS



TYPICAL UNDER COUNTER GREASE TRAP CONNECTION DETAILS
SCALE: NTS

DRAINAGE & RAINWATER LEGEND

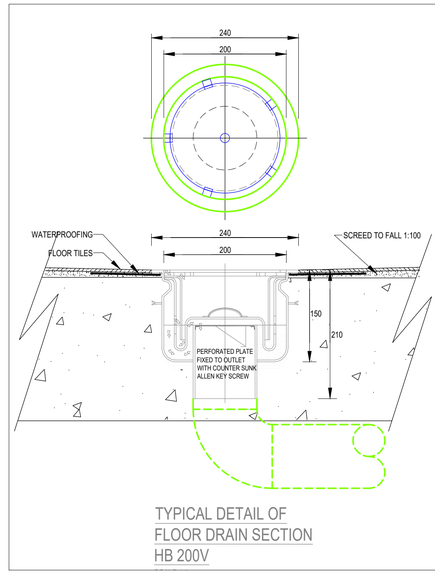
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TB = TO BELOW
CD = CONDENSATE DRAIN

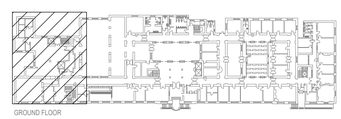
- SHOWER DRAIN
- HDPE TERRACE OUTLET
- BALL FITTING
- WM / DW SINK CONNECTION
- VALSIR INTEGRAL WM / DW WASTE CONNECTION AND TRAP.
- CAST IRON FBO
- PLUVIA OUTLET 12 l/s
- GULLEY
- ANTI-VAC TRAP
- HWC DRIP TRAY
- RODDING EYE IN GROUND
- OVAL INSPECTION EYE
- ROUND ACCESS/RODDING EYE
- DRAINAGE PIPELINE ABOVE SLAB
- DRAINAGE PIPELINE IN SLAB/UNDERGROUND
- DRAINAGE PIPELINE AGAINST SOFFIT
- STORMWATER PIPELINE ABOVE SLAB
- STORMWATER PIPELINE IN SLAB/UNDERGROUND
- STORMWATER PIPELINE AGAINST SOFFIT
- PLUVIA PIPELINE ABOVE SLAB
- PLUVIA PIPELINE IN SLAB/UNDERGROUND
- PLUVIA PIPELINE AGAINST SOFFIT

DRAINAGE & RAINWATER NOTES

1. ALL PRIMARY CO-ORDINATION TO BE THE RESPONSIBILITY OF THE PRINCIPAL AGENT.
2. DRAIN PIPES AND FITTINGS TO COMPLY WITH SPECIFICATIONS:
   SABS 0252-2
   BS 5750
   EN 1519
3. DRAINAGE INSTALLATION TO BE HDPE PIPES AND IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
4. ALL HWC DRIP TRAYS TO BE COMPLETE WITH 75MM DEEP GLYCERINE FILLED TRAPS.
5. ALL DRAIN LINES ABOVE, CAST INTO rc SLABS AND UNDERGROUND, TO HAVE A 1:60 FALL, UNLESS OTHERWISE INDICATED.
6. ALL VENT PIPES PENETRATING TILED ROOFS TO BE WATERPROOFED OR FLASHED TO ARCHITECTS DETAIL.
7. PLEASE NOTE THAT, WHERE APPLICABLE, BALL FITTINGS MUST HAVE REDUCED BRANCH CONNECTIONS TO SUITE BRANCH PIPE DIAMETER.
9. PLEASE NOTE THAT REDUCING Y-BRANCHES ARE TO BE USED WHERE APPLICABLE.
10. ALL WCs WASTE PIPE TO BE INSTALLED WITH STUB-STACK



TYPICAL DETAIL OF
FLOOR DRAIN SECTION
HB 200V



- KEY PLAN -

FOR TENDER

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT | REG. NO. | DATE

AMENDMENTS CODE

A,B,C.../ : BEFORE TENDER
T0 / : TENDER DRAWING
0,1,2.../ : AFTER TENDER
Z / : AS BUILT

/A : BY CLIENT
/B : BY ARCHITECT
/C : BY MECHANICAL OR ELECTRICAL
/D : BY BVI
/E : BY OTHER ( )

DATE	INITIAL	No./CODE	REVISION DESCRIPTION
09/06/2022	NM	T0/D	DRAWING ISSUED FOR TENDER

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	Polokwane	(015) 291-5400	plk@bvifs.co.za
Free State	Bloemfontein	(051) 447-2137	bfn@bvifs.co.za
	Welkom	(057) 353-3499	wel@bvifs.co.za
Northern Cape	Upington	(054) 337-8600	upt@bvinc.co.za
	Springbok	(027) 712-8990	spk@bvinc.co.za
KwaZulu Natal	Durban	(031) 266-8382	dbn@bvikn.co.za
	Empangeni	(035) 772-0112	emp@bvikn.co.za
Eastern Cape	Port Elizabeth	(041) 373-4343	pe@bviec.co.za
	East London	(043) 726-1444	pe@bvinc.co.za
Western Cape	**Cape Town**	**(021) 527-7000**	**cpt@bviwc.co.za**

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Registration no. 1998/000157/07

CLIENT

public works
Department:
Public Works
REPUBLIC OF SOUTH AFRICA

PROJECT

PARLIAMENT PRECINCT
KITCHEN REPLACEMENT
OF EQUIPMENT

DRAWING TITLE

MARKS BUILDING
UPPER GROUND FLOOR
PLUMBING AND DRAINAGE

APPROVED BY BVI

ENGINEER/TECHNOLOGIST | 200970062 REG. NO. | 03/06/2022 DATE

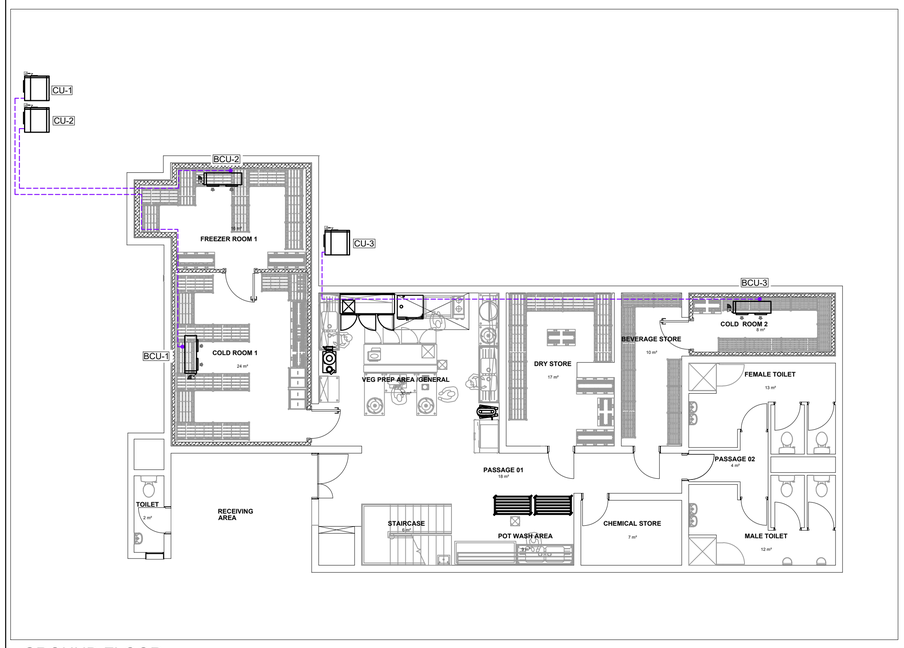
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DESIGNED	NJW	CHECKED	AM

PLAN NUMBER	REVISION NO.	DATE SAVED
33547.01-710-02	T0	Thursday, June 09, 2022

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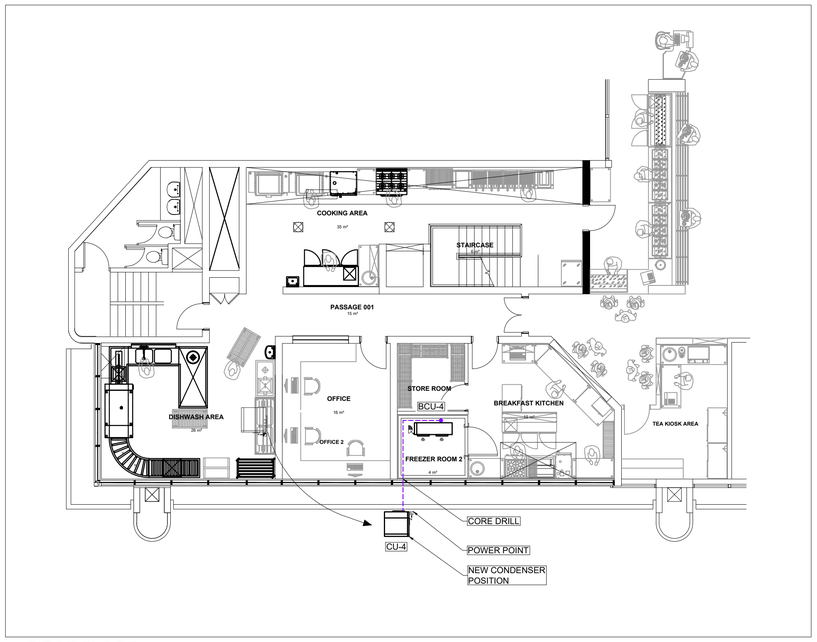
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33547.01-710-02 REV B MARKS BUILDING UPP GRND.DWG



GROUND FLOOR

SCALE 1:100

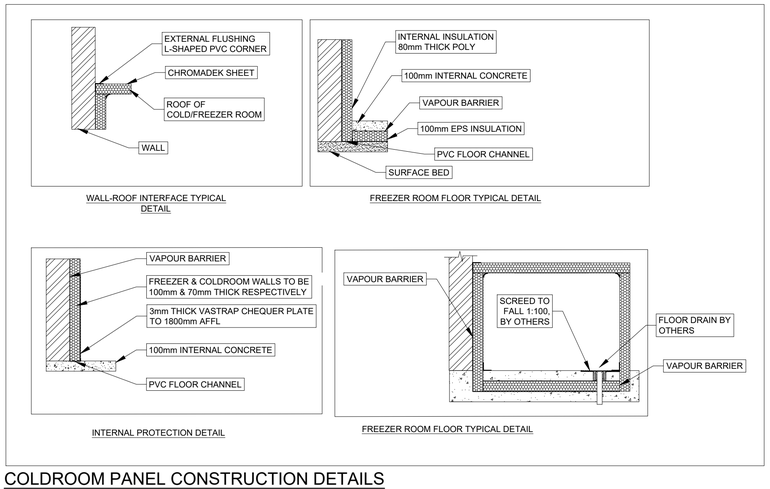


FIRST FLOOR

SCALE 1:100

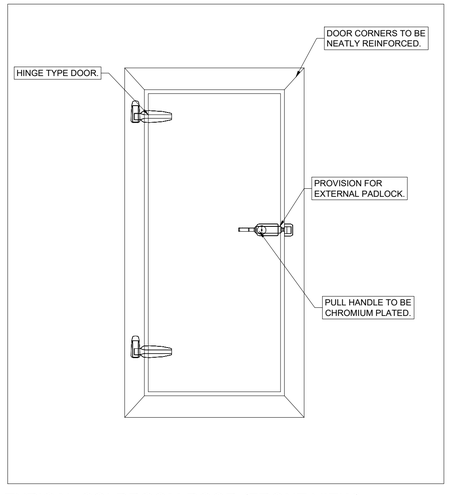
COLDROOM SCHEDULE:-

ROOM		COLD ROOM 1	COLD ROOM 2	FREEZER ROOM 1	FREEZER ROOM 2
ROOM SIZE	m³	72	24	48	12
BLOWER COIL NO.		BCU-1	BCU-3	BCU-2	BCU-4
POWER SUPPLY	kW	2.3	1.1	1.95	0.6
	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
ROOM TEMPERATURE	°C	0	0	-20	-20
EVAP. TEMPERATURE	°C	-5	-5	-27	-27
CAPACITY	kW	4.6	2.2	3.9	1.2
CONDENSER NO.		CU-1	CU-3	CU-2	CU-4
CONDENSING TEMP.	°C	45	45	45	45
POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50



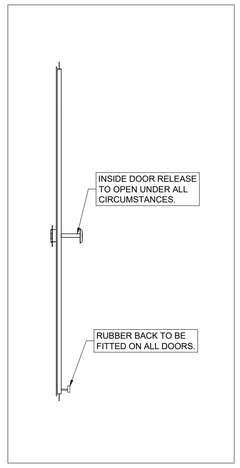
COLDROOM PANEL CONSTRUCTION DETAILS

SCALE : NTS



TYPICAL COLDROOM DOOR (FRONT VIEW)

SCALE: NTS



TYPICAL COLDROOM DOOR (SIDE VIEW)

SCALE: NTS

REFRIGERATION NOTES:

GENERAL NOTES:

1. THIS DRAWING DEPICTS DESIGN INTENT, THEREFORE THE REFRIGERATION SUB CONTRACTOR MUST SELECT THE COMPRESSORS AND CONDENSERS TO SUIT THE OPERATING CONDITIONS OF THE EVAPORATIVE BLOWER COILS.
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7. BUILDER TO PROVIDE PENETRATIONS THROUGH CONCRETE SLABS & BRICK WALLS FOR EQUIPMENT, REFRIGERANT PIPING AND CONDENSATE DRAINAGE INSTALLATIONS AND MAKE GOOD AFTER COMPLETION OF THE INSTALLATION.
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5. FREEZER FLOORS TO BE FITTED WITH 100mm POLYURETHANE WITH VAPOUR SEAL.
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9. A COMBINED LIGHT WITH INDICATOR PILOT LIGHT FOR CONTROL OF THE LIGHTS SHALL BE NEXT TO THE DOOR FOR EACH ROOM.
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15. WALL PANELS SHALL BE SUITABLE REINFORCED INTERNALLY TO ENSURE SOLID AND ROBUST FIXING OF THE DOOR FIXTURES.

REFRIGERATION

1. PRESSURE / VACUUM RELIEVE VALVES SHALL BE BE INSTALLED IN ALL FREEZER ROOMS.
2. EACH COLD / FREEZER ROOM SHALL BE FITTED WITH A 100mm DIAMETER DIAL TYPE THERMOMETER ABOVE THE DOOR.
3. THE CAPILLARY TUBE FOR THE THERMOMETER SHALL BE TAKEN THROUGH THE WALL IN A 20mm DIAMETER SLEEVE PIPE SEALED WITH SILICONE SEALANT ON BOTH SIDES.
4. THE BULB SHALL BE INSTALLED 25mm OFF THE WALL IN A TOP CORNER OF THE ROOM AS HIGH AS POSSIBLE BUT NOT DIRECTLY IN THE AIR STREAM OF THE BLOWER COIL UNIT.
5. THE THERMOMETER RANGE SHALL MATCH THE APPLICATION.
6. ALL REFRIGERANT PIPING ARE TO BE SOFT DRAWN COPPER PIPES AND SHALL BE INSULATED WITH ARMA-FLEX.
7. CONDENSERS ARE TO BE INSTALLED ON A PURPOSE MADE BRACKET.
8. BRACKETS ARE TO BE GALVANISED STEEL.
9. COLD ROOM BLOWER COIL DRAIN PANS SHALL BE FITTED WITH COPPER DRAIN PIPING AT LEAST 22mm IN DIAMETER.
10. FREEZER ROOM BLOWER COIL DRAIN PANS SHALL BE FITTED WITH COPPER DRAIN PIPING AT LEAST 35mm IN DIAMETER.
11. DRAIN PIPING SHALL BE TAKEN TO THE NEAREST DRAIN POINT.
12. DRAIN PIPES FROM DRAIN PANS FOR FREEZER ROOM SHALL BE WRAPPED WITH HEATER TAPE OVER IT'S ENTIRE LENGTH INSIDE THE ROOM OR CABINET TO PREVENT FREEZING UP. "NON-DRIP" TAPE OR EQUAL INSULATION SHALL BE PROVIDED OVER THE HEATER TAPE AND PIPING.
13. HEATER TAPE SHALL REMAIN SWITCHED ON WHILE COOLING IS IN USE.

SYMBOL LEGEND

	ISOLATOR AND ELECTRICAL SUPPLY: 380 VOLT/ 3-PHASE.
	INDICATED D/B BOARD.
	ELECTRICAL POWER SUPPLY: 220V/SINGLE PHASE.
T	THERMOMETER
	CONDENSATE PIPING
	REFRIGERANT PIPING
	BLOWER COIL
	CONDENSING UNIT
	CABLE TRAY

FOR TENDER

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT | REG. NO. | DATE

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/E : BY OTHER ( )

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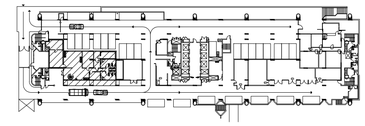
public works
Department:
Public Works
REPUBLIC OF SOUTH AFRICA

PROJECT

PARLIAMENTARY PRECINCT
KITCHEN REPLACEMENT OF EQUIPMENT

DRAWING TITLE

90 PLEIN STREET
GROUND AND FIRST FLOOR
KITCHEN REFRIGERATION LAYOUT



- KEY PLAN -

APPROVED BY BVI

ENGINEER/TECHNOLOGIST | 200970062 REG. NO. | 08/06/2022 DATE

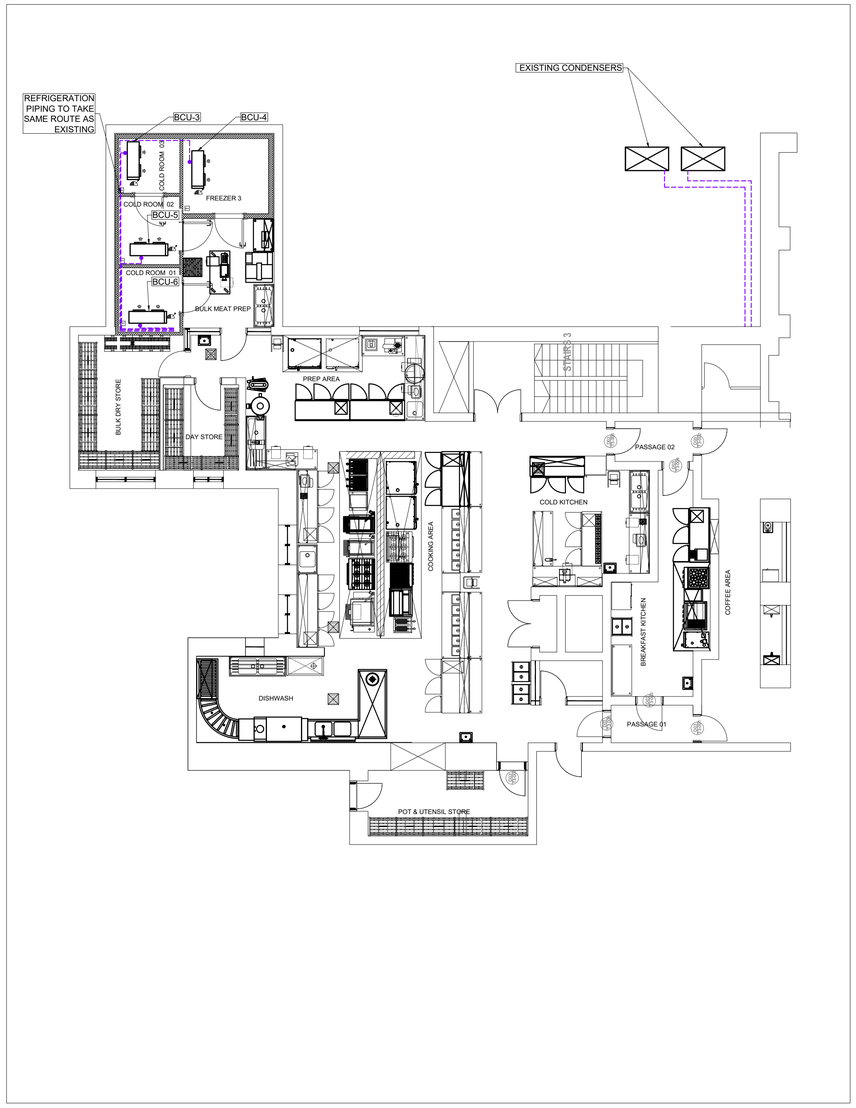
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DESIGNED	N.MOLEEJANE	CHECKED	A.MALGAS

PLAN NUMBER	REVISION NO.	DATE SAVED
33547.01-732-01	T0	Friday, 10 June 2022

33547.01-732-01 REV A(90 PLEIN STREET).DWG

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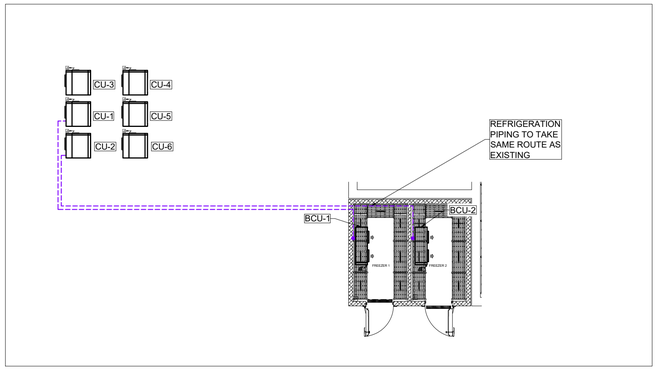
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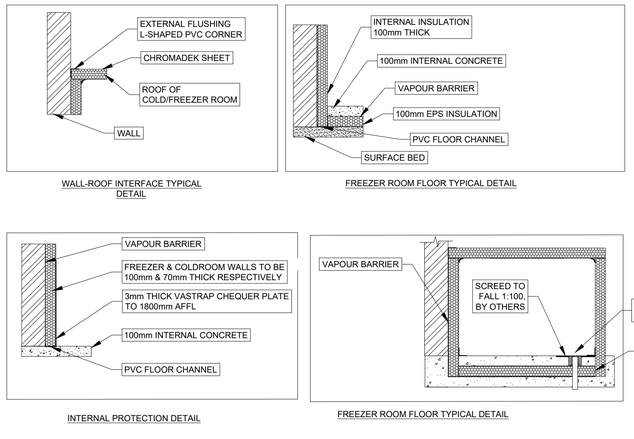
MARKS BUILDING - GROUND FLOOR
SCALE 1:100

COLDROOM SCHEDULE:-

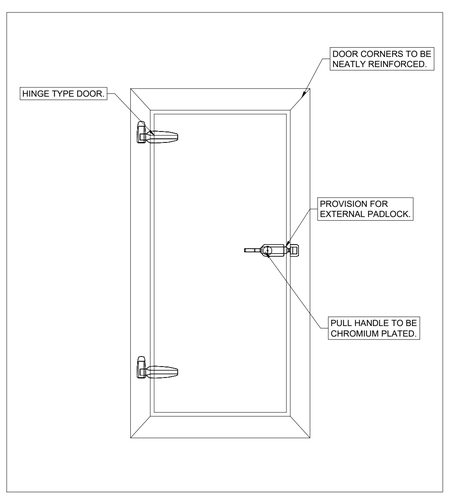
ROOM		COLD ROOM 1	COLD ROOM 2	COLD ROOM 3	FEEZER ROOM 1	FREEZER ROOM 2	FREEZER ROOM 3
ROOM SIZE	m³	12	12	12	21	21	21
BLOWER COIL NO.		BCU-6	BCU-5	BCU-3	BCU-1	BCU-2	BCU-4
POWER SUPPLY	kW	0.6	0.6	0.6	1.2	1.2	1.2
	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ROOM TEMPERATURE	°C	0	0	0	-20	-20	-20
EVAP. TEMPERATURE	°C	-5	-5	-5	-27	-27	-27
CAPACITY	kW	1.2	1.2	1.2	2.3	2.3	2.3
CONDENSER NO.		CU-6	CU-5	CU-3	CU-1	CU-2	CU-4
CONDENSING TEMP.	°C	45	45	45	45	45	45
POWER SUPPLY	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50



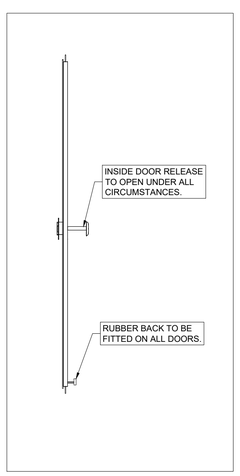
MARKS BUILDING - BASEMENT
SCALE 1:100



COLDROOM PANEL CONSTRUCTION DETAILS
SCALE : NTS



TYPICAL COLDROOM DOOR (FRONT VIEW)
SCALE: NTS



TYPICAL COLDROOM DOOR (SIDE VIEW)
SCALE: NTS

REFRIGERATION NOTES:

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15. WALL PANELS SHALL BE SUITABLE REINFORCED INTERNALLY TO ENSURE SOLID AND ROBUST FIXING OF THE DOOR FIXTURES.

REFRIGERATION

1. PRESSURE / VACUUM RELIEVE VALVES SHALL BE BE INSTALLED IN ALL FREEZER ROOMS.
2. EACH COLD / FREEZER ROOM SHALL BE FITTED WITH A 100mm DIAMETER DIAL TYPE THERMOMETER ABOVE THE DOOR.
3. THE CAPILLARY TUBE FOR THE THERMOMETER SHALL BE TAKEN THROUGH THE WALL IN A 20mm DIAMETER SLEEVE PIPE SEALED WITH SILICONE SEALANT ON BOTH SIDES.
4. THE BULB SHALL BE INSTALLED 25mm OFF THE WALL IN A TOP CORNER OF THE ROOM AS HIGH AS POSSIBLE BUT NOT DIRECTLY IN THE AIR STREAM OF THE BLOWER COIL UNIT.
5. THE THERMOMETER RANGE SHALL MATCH THE APPLICATION.
6. ALL REFRIGERANT PIPING ARE TO BE SOFT DRAWN COPPER PIPES AND SHALL BE INSULATED WITH ARMA-FLEX.
7. CONDENSERS ARE TO BE INSTALLED ON A PURPOSE MADE BRACKET.
8. BRACKETS ARE TO BE GALVANISED STEEL.
9. COLD ROOM BLOWER COIL DRAIN PANS SHALL BE FITTED WITH COPPER DRAIN PIPING AT LEAST 22mm IN DIAMETER.
10. FREEZER ROOM BLOWER COIL DRAIN PANS SHALL BE FITTED WITH COPPER DRAIN PIPING AT LEAST 35mm IN DIAMETER.
11. DRAIN PIPING SHALL BE TAKEN TO THE NEAREST DRAIN POINT.
12. DRAIN PIPES FROM DRAIN PANS FOR FREEZER ROOM SHALL BE WRAPPED WITH HEATER TAPE OVER IT'S ENTIRE LENGTH INSIDE THE ROOM OR CABINET TO PREVENT FREEZING UP. "NON-DRIP" TAPE OR EQUAL INSULATION SHALL BE PROVIDED OVER THE HEATER TAPE AND PIPING.
13. HEATER TAPE SHALL REMAIN SWITCHED ON WHILE COOLING IS IN USE.

SYMBOL LEGEND

	ISOLATOR AND ELECTRICAL SUPPLY: 380 VOLT/ 3-PHASE.
	INDICATED D/B BOARD.
	ELECTRICAL POWER SUPPLY: 220V/SINGLE PHASE.
T	THERMOMETER
	CONDENSATE PIPING
	REFRIGERANT PIPING
	BLOWER COIL
	CONDENSING UNIT
	CABLE TRAY

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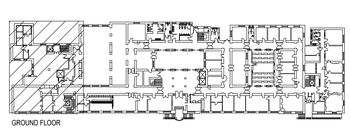
public works
Department:
Public Works
REPUBLIC OF SOUTH AFRICA

PROJECT

PARLIAMENT PRECINCT
KITCHEN REPLACEMENT
OF EQUIPMENT

DRAWING TITLE

MARKS BUILDING
GROUND FLOOR
KITCHEN REFRIGERATION LAYOUT


GROUND FLOOR

- KEY PLAN -

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ENGINEER/TECHNOLOGIST | 200970062 REG. NO. | 08/06/2022 DATE

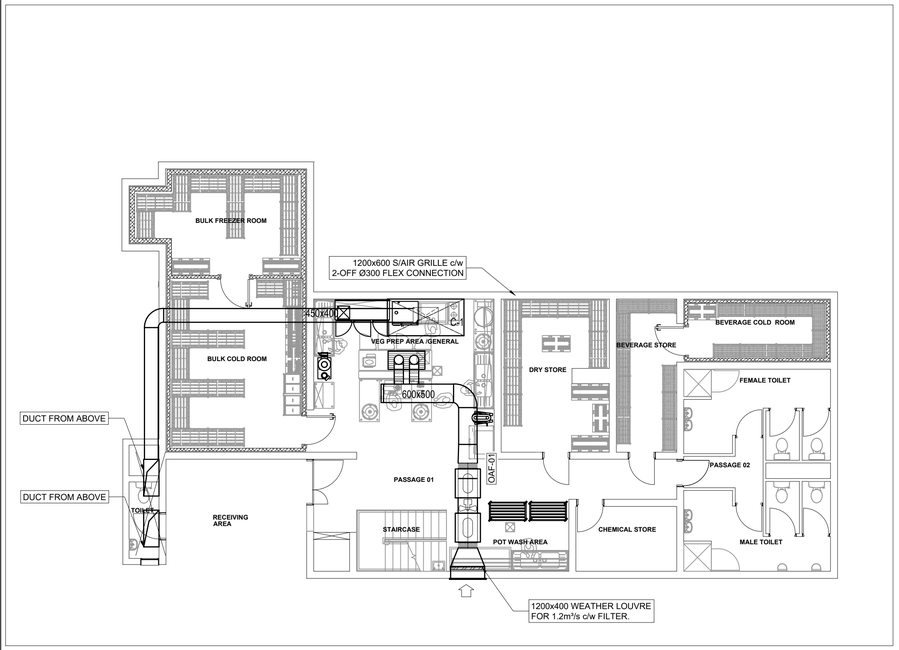
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DESIGNED	N.MOLEEJANE	CHECKED	A.MALGAS

PLAN NUMBER	REVISION NO.	DATE SAVED
33547.01-732-03	T0	Thursday, 09 June 2022

33547.01-732-03 REV A(MARKS BUILDING).DWG

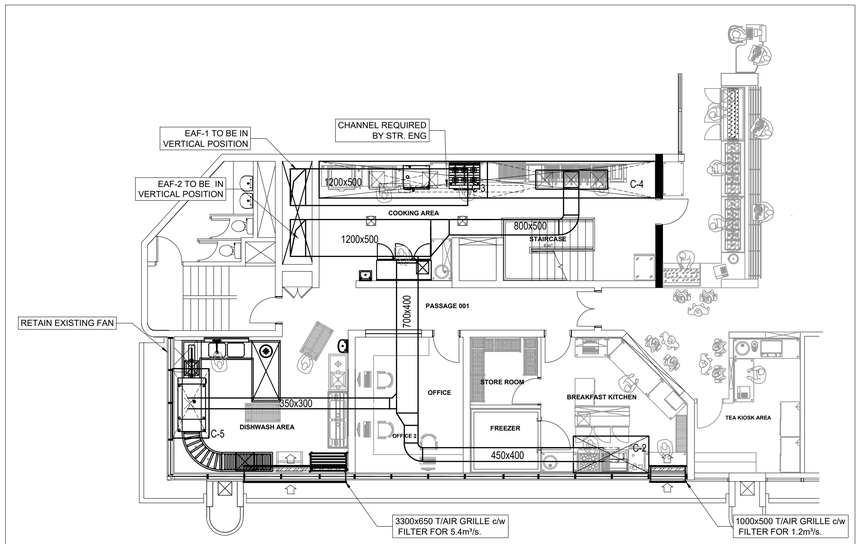
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GROUND FLOOR

SCALE 1:100



FIRST FLOOR

SCALE 1:100

GENERAL NOTES:

1. SHEET METAL DUCTING MUST BE GALVANISED MILD STEEL, WITH MEZZ-FLANGES. ALL HVAC EQUIPMENT TO BE ADEQUATELY SUPPORTED AT REGULAR INTERVALS WITH SUITABLE THREADED ROD AND ANGLE BAR AS PER SABS 0193
2. ALL DUCTWORK JOINTS MUST BE PROPERLY SEALED AND AIRTIGHT.
3. ALL DOORS TO TOILETS WITH MECHANICAL VENTILATION TO BE UNDERCUT MINIMUM 20mm.
4. THE HVAC CONTRACTOR TO WIRE BETWEEN THE HVAC EQUIPMENT AND HVAC DB OR ISOLATOR.
5. ALL ARTIFICIAL VENTILATION SYSTEMS MUST NOT EMIT A NOISE LEVEL OF WHICH CAUSE THE AMBIENT NOISE LEVEL TO EXCEED 50DBA MEASURED AT THE BOUNDARY OF PROPERTY.
6. ALL EQUIPMENT MUST BE MOUNTED ON ANTI-VIBRATION MOUNTINGS.
7. AC UNITS FINAL POSITIONS TO BE INSTALLED TO ARCHITECT'S DIMENSIONS AS PART OF CO-ORDINATION.
8. ACCESS HATCHES POSITIONS TO ARCHITECT'S CO-ORDINATED CEILING LAYOUT.
9. FINAL DIFFUSER POSITIONS AS PER ARCHITECT'S CO-ORDINATED CEILING LAYOUT - COLOUR TO ARCHITECT'S SPECIFICATION.
10. FINAL WEATHER LOUVRE POSITIONS AS PER ARCHITECT'S ELEVATION DRAWINGS COLOUR TO ARCHITECT'S SPECIFICATION.
11. ALL FIRE DAMPERS MUST BE 350mm LONG ELECTROVENT OR EQUAL AND APPROVED.
12. ALL WASHABLE FILTERS MUST BE INSTALLED WITH PLEATS IN THE VERTICAL.
13. SOUND ATTENUATORS MUST HAVE 100mm OR 150mm AIRGAPS WITH LENGHTS AS INDICATED.

NOTES TO BUILDER:

1. BUILDER TO PROVIDE PENETRATIONS THROUGH CONCRETE SLABS & BRICK WALLS FOR HVAC EQUIPMENT AND MAKE GOOD AFTER INSTALLATION OF HVAC EQUIPMENT.
2. FIRE STOPPING & SEALING OF ALL DUCT & PIPE ENTRIES TO ARCHITECT'S DETAIL.
3. ALL WEATHER LOUVRE PENETRATIONS THROUGH WALLS MUST BE COMPLETE WITH 25mm TIMBER FRAME FOR THE SCREW FIXING OF WEATHER LOUVRES & GRILLES.
4. DOOR GRILLES - 500x300 (UNLESS NOTED OTHERWISE) SUPPLIED BY AIR-CONDITIONING CONTRACTOR AND *CUT AND FITTED - BY BUILDER*.

NOTES TO ELECTRICAL CONTRACTOR:

1. PROVIDE POWER SUPPLY TO ALL HVAC DB'S & ISOLATORS AS INDICATED ON DRAWING COMPLETE WITH CONDUITS, DRAW-WIRES & JUNCTION BOXES.
2. ELECTRICAL POWER SUPPLIES & ISOLATORS TO BE PROVIDED WITHIN A METER OF HVAC EQUIPMENT.
3. ISOLATORS TO FAN COIL UNITS AND FANS TO BE IN CEILING SPACE WITHIN A METER OF HVAC EQUIPMENT.

TO PLUMBING SUB-CONTRACTOR:

1. PLUMBER TO PROVIDE TRAPS IN CEILING CONNECTED TO SEWER SYSTEM FOR CONDENSATE DRAINS - REFER TO DETAIL.
2. CONDENSATE DRAINS FROM AC UNITS TO A TRAP IN CEILING BY AC CONTRACTOR
3. CONDENSATE DRAIN PIPES TO FOLLOW THE SHORTEST POSSIBLE ROUTE AS DETERMINED ON SITE. ACCEPTABLE FALL 1:80 MIN AND SIZES TO BE AS SHOWN ON PLAN LAYOUT.

SYMBOL LEGEND

	ISOLATOR AND ELECTRICAL SUPPLY: 380 VOLT/ 3-PHASE.
	INDICATED D/B BOARD.
	ELECTRICAL POWER SUPPLY: 220V/SINGLE PHASE.
	DOORS TO BE UNDERCUT BY 20mm
	MAINS WATER SUPPLY: WITH GATE VALVE-SIZE AS NOTED
	DRAIN: NB 100, CONNECTED INTO SEWER SYSTEM.
F D	FIRE DAMPER - MOTORISED SPRING RETURN
	UNINSULATED DUCTING
	INTERNALLY INSULATED DUCTING
	EXTERNALLY LAGGED DUCTING
	REMOTE ON/OFF SWITCH - 100 x100 WALL BOX WITH 25mm CONDUIT INTO CEILING VOID.
T	BMS TEMPERATURE SENSOR
T	THERMOSTAT (MASTER DIFFUSER)

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public works
Department:
Public Works
REPUBLIC OF SOUTH AFRICA

PROJECT

PARLIAMENTARY PRECINCT
KITCHEN REPLACEMENT OF EQUIPMENT

DRAWING TITLE

90 PLEIN STREET
GROUND AND FIRST FLOOR
KITCHEN VENTILATION LAYOUT

APPROVED BY BVI

ENGINEER/TECHNOLOGIST | 200970062 REG. NO. | 01/10/2019 DATE

SCALE	1:100 @ A1	*DRAWN*	NJW
DESIGNED	NJW	*CHECKED*	A.M
PLAN NUMBER		*REVISION NO.*	*DATE SAVED*
33547.01-740-01		T0	Thursday, June 09, 2022

CANOPY SCHEDULE

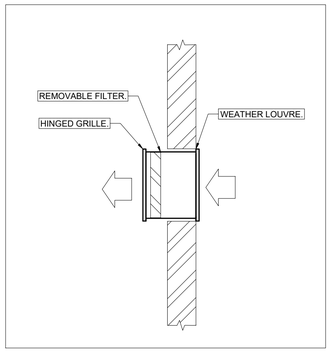
CANOPY REFERENCE NUMBER	C-1	C-2	C-3	C-4	C-5
SERVING	GEN PREP AREA	KITCHEN	COOKING AREA	COOKING AREA	DISHWASHING AREA
QUANTITY	1	1	1	1	1
SIZE (LxBxH) mm	2500x1200x600	2500x1200x600	5500x1200x600	5500x1200x600	2650x1200x600
EXTRACT AIR VOLUME (m³/s)	1.5	1.5	3.3	3.3	0.795
HEIGHT ABOVE FINISHED FLOOR (mm)	2100	2100	2100	2100	2100
FIRE DAMPER (YES / NO)	NO	NO	NO	NO	NO
GREASE FILTERS (YES / NO)	YES	YES	YES	YES	NO
LIGHT (YES / NO)	YES	YES	YES	YES	YES
FIRE SUPPRESSION	NO	YES	YES	YES	NO

NOTES:

1. FIRE SUPPRESSION BOX LOCATION TO BE CONFIRMED WITH VENDOR
2. POWER TO CANOPY LIGHT BY OTHERS
3. WATER POINT TO CANOPY BY OTHERS
4. CANOPIES TO BE AMMS CAPTURE JET TYPE
5. CANOPY ON/OFF SWITCH BY OTHERS

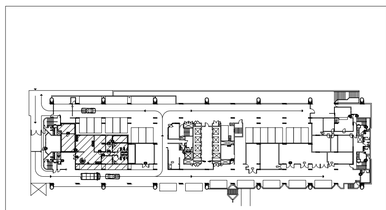
VENTILATION FAN SCHEDULE

FAN REFERENCE NUMBER	EAF-1	EAF-2	OAF-1
AREA SERVED			
FAN TYPE	AXIAL	AXIAL	AXIAL
AIR VOLUME (m³/s)	4.80	4.80	1.2
SIZE (Ø mm)	800	800	630
STATIC PRESSURE (Pa)	350	350	250
MOTOR (kW)	3.30	3.30	0.800
SPEED - MAXIMUM (rpm)	1440	1440	1440
SOUND ATTENUATORS	MELINEX LINED 1.5D	MELINEX LINED 1.5D	MELINEX LINED 1.5D
POWER SUPPLY (V / Ph / Hz)	400 / 3 / 50	400 / 3 / 50	400 / 3 / 50



TYPICAL T/AIR GRILLE DETAIL

SCALE 1:20

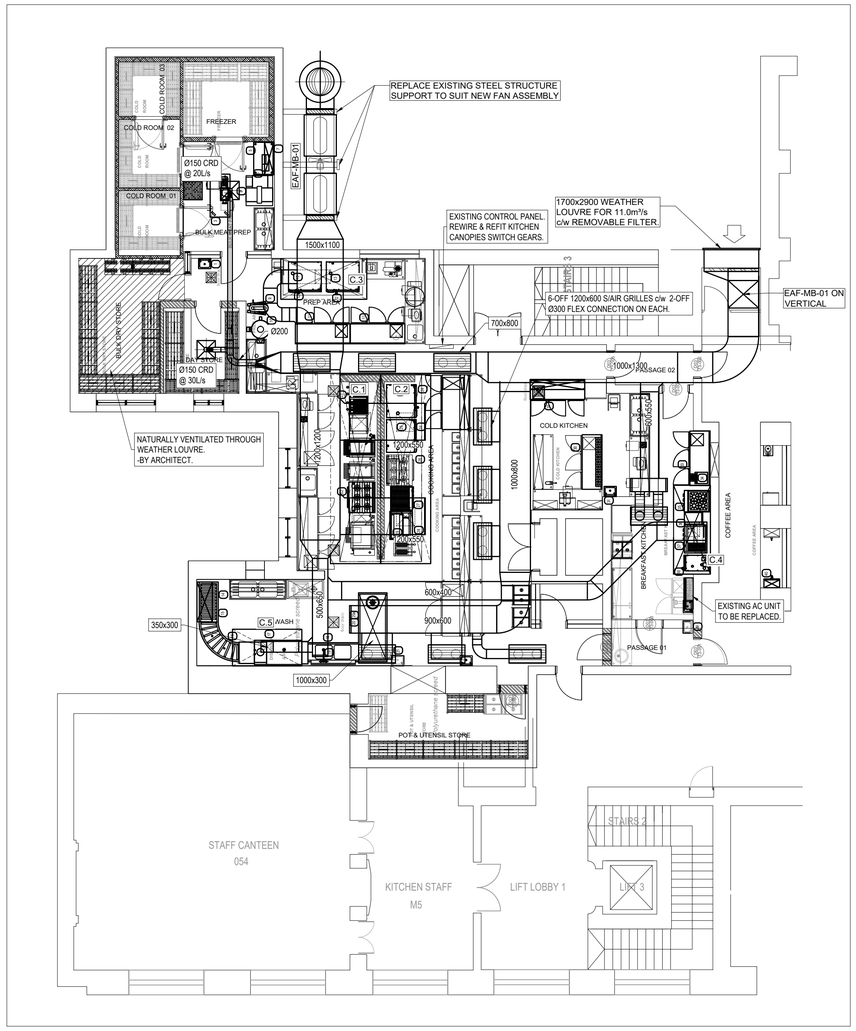


- KEY PLAN -

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33547.01-740-01 REV T0 (90 PLEIN STREET).DWG



MARKS BUILDING - GROUND FLOOR
SCALE 1:100

CANOPY SCHEDULE

CANOPY REFERENCE NUMBER		C-1 & C2	C-3	C-4	C-5
SERVING		COOKING AREA	PREP AREA	BREAKFAST	DISHWASHING AREA
QUANTITY		2	1	1	1
SIZE	(LxBxH) mm	6200x1600x600	2800x1300x600	2900x1200x600	2650x1200x600
EXTRACT AIR VOLUME	(m³/s)	4.960	1.274	1.740	0.795
HEIGHT ABOVE FINISHED FLOOR	(mm)	2100	2100	2100	2100
FIRE DAMPER (YES / NO)		NO	YES	NO	NO
GREASE FILTERS (YES / NO)		YES	YES	YES	YES
LIGHT (YES / NO)		YES	YES	YES	YES
FIRE SUPPRESSION		YES	NO	YES	NO

NOTES:

1. FIRE SUPPRESSION BOX LOCATION TO BE CONFIRMED WITH VENDOR
2. POWER TO CANOPY LIGHT BY OTHERS
3. WATER POINT TO CANOPY BY OTHERS
4. CANOPIES TO BE CAPTURE JET TYPE
5. CANOPY ON/OFF SWITCH BY OTHERS

VENTILATION FAN SCHEDULE

FAN REFERENCE NUMBER		EAF-MB-01
AREA SERVED		MARKS BUILDING
FAN TYPE		AXIAL
AIR VOLUME	(m³/s)	13.73
SIZE	(Ø mm)	1250
STATIC PRESSURE	(Pa)	320
MOTOR	(kW)	8
SPEED - MAXIMUM	(rpm)	1440
SOUND ATTENUATORS		MELINEX LINED 1.5D
POWER SUPPLY	(V / Ph / Hz)	400 / 3 / 50

FAN REFERENCE NUMBER		OAF-MB-01
AREA SERVED		MARKS BUILDING
FAN TYPE		AXIAL
AIR VOLUME	(m³/s)	10.98
SIZE	(Ø mm)	900
STATIC PRESSURE	(Pa)	320
MOTOR	(kW)	12.0
SPEED - MAXIMUM	(rpm)	1440
SOUND ATTENUATORS		MELINEX LINED 1.5D
POWER SUPPLY	(V / Ph / Hz)	400 / 3 / 50

NOTES:

1. FAN PRESSURES INDICATED ARE FOR TENDERING PURPOSES ONLY.
2. THE CONTRACTOR SHALL DETERMINE FINAL PRESSURES, ONCE EQUIPMENT HAS BEEN SELECTED.

GENERAL NOTES:

1. SHEET METAL DUCTING MUST BE GALVANISED MILD STEEL, WITH MEZZ-FLANGES. ALL HVAC EQUIPMENT TO BE ADEQUATELY SUPPORTED AT REGULAR INTERVALS WITH SUITABLE THREADED ROD AND ANGLE BAR AS PER SABS 0193
2. ALL DUCTWORK JOINTS MUST BE PROPERLY SEALED AND AIRTIGHT.
3. ALL DOORS TO TOILETS WITH MECHANICAL VENTILATION TO BE UNDERCUT MINIMUM 20mm.
4. THE HVAC CONTRACTOR TO WIRE BETWEEN THE HVAC EQUIPMENT AND HVAC DB OR ISOLATOR.
5. ALL ARTIFICIAL VENTILATION SYSTEMS MUST NOT EMIT A NOISE LEVEL OF WHICH CAUSE THE AMBIENT NOISE LEVEL TO EXCEED 50DBA MEASURED AT THE BOUNDARY OF PROPERTY.
6. ALL EQUIPMENT MUST BE MOUNTED ON ANTI-VIBRATION MOUNTINGS.
7. AC UNITS FINAL POSITIONS TO BE INSTALLED TO ARCHITECT'S DIMENSIONS AS PART OF CO-ORDINATION.
8. ACCESS HATCHES POSITIONS TO ARCHITECT'S CO-ORDINATED CEILING LAYOUT.
9. FINAL DIFFUSER POSITIONS AS PER ARCHITECT'S CO-ORDINATED CEILING LAYOUT - COLOUR TO ARCHITECT'S SPECIFICATION.
10. FINAL WEATHER LOUVRE POSITIONS AS PER ARCHITECT'S ELEVATION DRAWINGS COLOUR TO ARCHITECT'S SPECIFICATION.
11. ALL FIRE DAMPERS MUST BE 350mm LONG ELECTROVENT OR EQUAL AND APPROVED.
12. ALL WASHABLE FILTERS MUST BE INSTALLED WITH PLEATS IN THE VERTICAL.
13. SOUND ATTENUATORS MUST HAVE 100mm OR 150mm AIRGAPS WITH LENGHTS AS INDICATED.

NOTES TO BUILDER:

1. BUILDER TO PROVIDE PENETRATIONS THROUGH CONCRETE SLABS & BRICK WALLS FOR HVAC EQUIPMENT AND MAKE GOOD AFTER INSTALLATION OF HVAC EQUIPMENT.
2. FIRE STOPPING & SEALING OF ALL DUCT & PIPE ENTRIES TO ARCHITECT'S DETAIL.
3. ALL WEATHER LOUVRE PENETRATIONS THROUGH WALLS MUST BE COMPLETE WITH 25mm TIMBER FRAME FOR THE SCREW FIXING OF WEATHER LOUVRES & GRILLES.
4. DOOR GRILLES - 500x300 (UNLESS NOTED OTHERWISE) SUPPLIED BY AIR-CONDITIONING CONTRACTOR AND *CUT AND FITTED - BY BUILDER*.

NOTES TO ELECTRICAL CONTRACTOR:

1. PROVIDE POWER SUPPLY TO ALL HVAC DB'S & ISOLATORS AS INDICATED ON DRAWING COMPLETE WITH CONDUITS, DRAW-WIRES & JUNCTION BOXES.
2. ELECTRICAL POWER SUPPLIES & ISOLATORS TO BE PROVIDED WITHIN A METER OF HVAC EQUIPMENT.
3. ISOLATORS TO FAN COIL UNITS AND FANS TO BE IN CEILING SPACE WITHIN A METER OF HVAC EQUIPMENT.

TO PLUMBING SUB-CONTRACTOR:

1. PLUMBER TO PROVIDE TRAPS IN CEILING CONNECTED TO SEWER SYSTEM FOR CONDENSATE DRAINS - REFER TO DETAIL.
2. CONDENSATE DRAINS FROM AC UNITS TO A TRAP IN CEILING BY AC CONTRACTOR
3. CONDENSATE DRAIN PIPES TO FOLLOW THE SHORTEST POSSIBLE ROUTE AS DETERMINED ON SITE. ACCEPTABLE FALL 1:80 MIN AND SIZES TO BE AS SHOWN ON PLAN LAYOUT.

KITCHEN EXTRACT CANOPIES

1. ALL INTERNAL CANOPY MATERIALS TO BE GRADE 304LSS.
2. ALL EXTERNAL SHEET METAL WORK & FASTENERS OF CANOPIES TO BE 316SS.
3. ALL DIMENSIONS TO BE CHECKED ON SITE. FABRICATION DRAWINGS TO BE SUBMITTED BY CONTRACTOR TO ENGINEER FOR APPROVAL, PRIOR TO INSTALLATION.
4. ALL PLATE TO BE 0.9mm THICK.
5. FILTERS TO BE RATED AS A FIRE TRAP.
6. ALL CANOPIES TO BE FITTED WITH FIRE DAMPERS AND EXTRACT DUCTING BENDS TO HAVE ACCESS PANELS FOR CLEANING, ALL DUCTING MUST BE SEALED AND TAPED.
7. EXTRACTION OVER FACE OF CANOPY TO BE 0.5 l/s.
8. CANOPY EXTRACT FAN ATTENUATORS AS SPECIFIED.

FANS

9. FANS AND ATTENUATORS TO BE SELECTED FOR NOISE LEVELS NOT GREATER THAN 45 dBA @ 3m FROM FAN.

SYMBOL LEGEND

	ISOLATOR AND ELECTRICAL SUPPLY: 380 VOLT/ 3-PHASE.
	INDICATED D/B BOARD.
	ELECTRICAL POWER SUPPLY: 220V/SINGLE PHASE.
	DOORS TO BE UNDERCUT BY 20mm
	MAINS WATER SUPPLY: WITH GATE VALVE-SIZE AS NOTED
	DRAIN: NB 100, CONNECTED INTO SEWER SYSTEM.
F D	FIRE DAMPER - MOTORISED SPRING RETURN
	UNINSULATED DUCTING
	INTERNALLY INSULATED DUCTING
	EXTERNALLY LAGGED DUCTING
	REMOTE ON/OFF SWITCH - 100 x100 WALL BOX WITH 25mm CONDUIT INTO CEILING VOID.
T	BMS TEMPERATURE SENSOR
T	THERMOSTAT (MASTER DIFFUSER)

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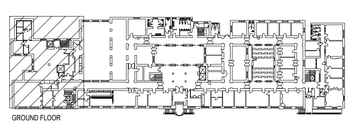
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PROJECT

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KITCHEN REPLACEMENT
OF EQUIPMENT

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MARKS BUILDING
GROUND FLOOR
KITCHEN VENTILATION LAYOUT



- KEY PLAN -

APPROVED BY BVI

ENGINEER/TECHNOLOGIST | 200970062 REG. NO. | 03/06/2022 DATE

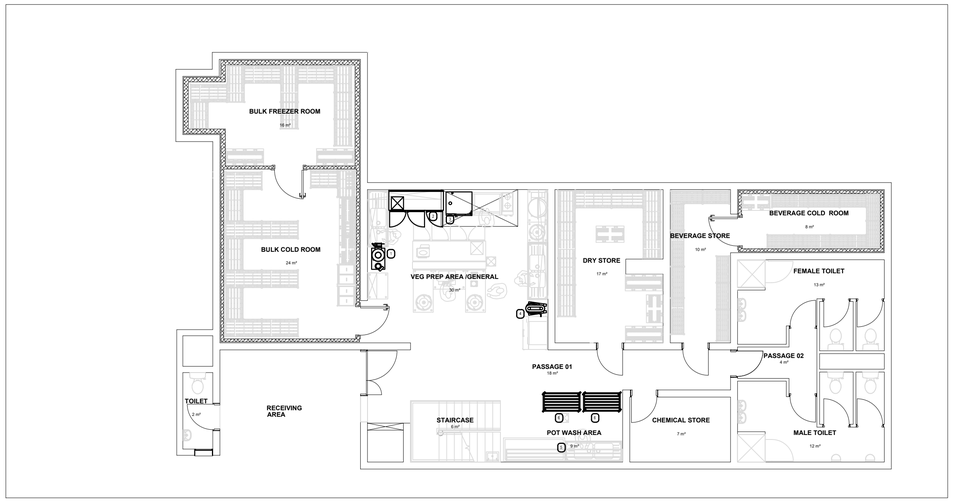
SCALE	1:100 @ A1	DRAWN	A.N.MOLEEJANE
DESIGNED	N.MOLEEJANE	CHECKED	A.MALGAS

PLAN NUMBER	REVISION NO.	DATE SAVED
33547.01-740-03	T0	Thursday, June 09, 2022

33547.01-740-03 REV T0(MARKS BUILDING).DWG

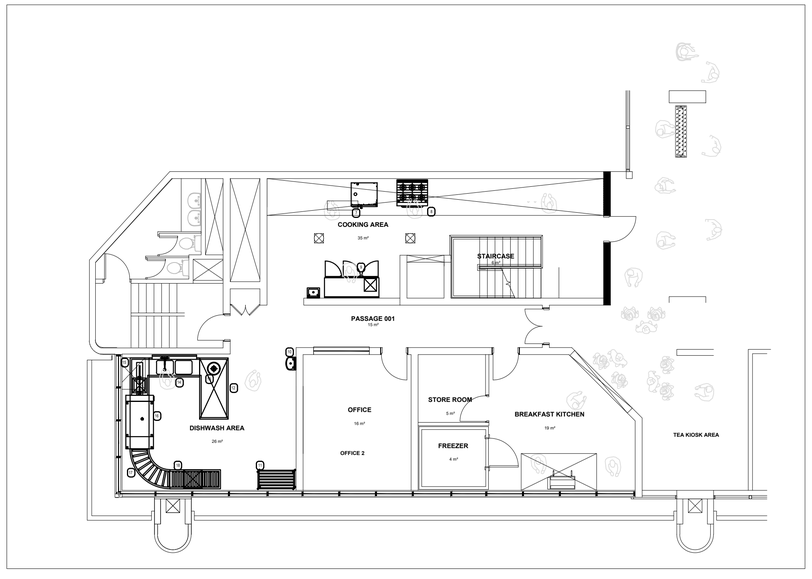
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GROUND FLOOR

SCALE 1:100



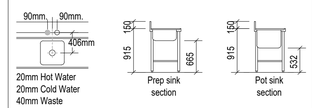
FIRST FLOOR

SCALE 1:100

EQUIPMENT SCHEDULE:

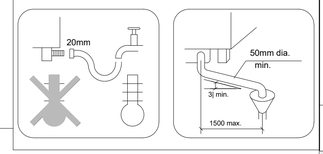
ITEM	QTY	DIMENSIONS	DESCRIPTION
PREP AREAS -			
1.	1		POTATO PEELER
2.	1	1780x650	2.5 DOOR U/BAR FRIDGE SBR
3.	1	847x771	CM101 10 PAN COMBI STEAMER ON STAND COMES WITH WATER FILTER
4.	1		20 LITRE PLANETARY MIXER
POT WASH -			
5.	1		S/S WASH HAND BASIN
6.	2	1200x600	MOBILE POT RACK
1st FLOOR COOKING -			
7.	1	847x771	CM101 &61 10 PAN COMBI STEAMER STACKED WITH 6 PAN C/W WATER FILTER
8.	1	1000x850	R-G6 6 OPEN BURNER GAS RANGE WITH OVEN
9.	1	1780x650	2.5 DOOR U/BAR FRIDGE SBR
SCULLERY -			
10.	1	1200x600	S/S WASH HAND BASIN
11.	1	1200x600	MOBILE POT RACK
12.	1	2000x930	S/S WOUBLE DIRTIES ANGLED DUMP TABLE WITRH WASTE DISPOSAL CONE
13.	1		3HP WASTE DISPOSAL MACHINE
14.	1	1650x620	S/S PRE WASH SINK WITH OVERHEAD SPRAY UNIT
15.	1	1200x620	S/S ANGLED POWER LOADER
16.	1	1750x900	COMENDA AC2E RACK ADVANCING DISHWASHER
17.	1	1300x1300	90 DEGREE ROLLER OUTLET TABLE
18.	1	1650x620	S/S ROLLER OUTLET TABLE

TYPICAL VIEW OF SINK UNITS



COMBI STEAMER DETAILS

* 12mm Cold water pressure hose with 20mm coupling.
* Hose to be connected to stopcock.
* In-line filter to be fitted.
* 50mm Drain pipe (not hose pipe) to be straight (no bends) and positioned over centre of draining funnel.
* Waste water temp. 65 deg.C (approx.)
* Water consumption at 3 Bar averages 0,7 l/min
* First 1000mm of waste pipe to be copper



FOR TENDER

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CITY ENGINEER / CLIENT | REG. NO. | DATE

AMENDMENTS CODE

A,B,C.../ : BEFORE TENDER
T0 / : TENDER DRAWING
0,1,2..../ : AFTER TENDER
Z / : AS BUILT

/A : BY CLIENT
/B : BY ARCHITECT
/C : BY MECHANICAL OR ELECTRICAL
/D : BY BVi
/E : BY OTHER ( )

DATE	INITIAL	No./CODE	REVISION DESCRIPTION
09/06/2022	W.T.	T0/D	DRAWING ISSUED FOR TENDER

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CLIENT

public works
Department:
Public Works
REPUBLIC OF SOUTH AFRICA

PROJECT

PARLIAMENTARY PRECINCT
90 PLEIN STREET

DRAWING TITLE

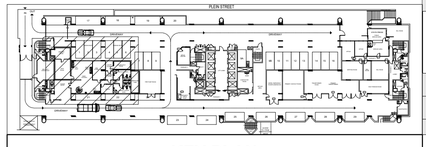
GROUND AND FIRST FLOOR
KITCHENS EQUIPMENT UPGRADE

APPROVED BY BVi

ENGINEER/TECHNOLOGIST | 200970062 REG. NO. | 03/06/2022 DATE

SCALE	1:100 @A1	DRAWN	W THOMPSON
DESIGNED	N MOLEEJANE	CHECKED	MA MALGAS

PLAN NUMBER	REVISION NO.	DATE SAVED
33547.01-760-01	T0	3 June 2022

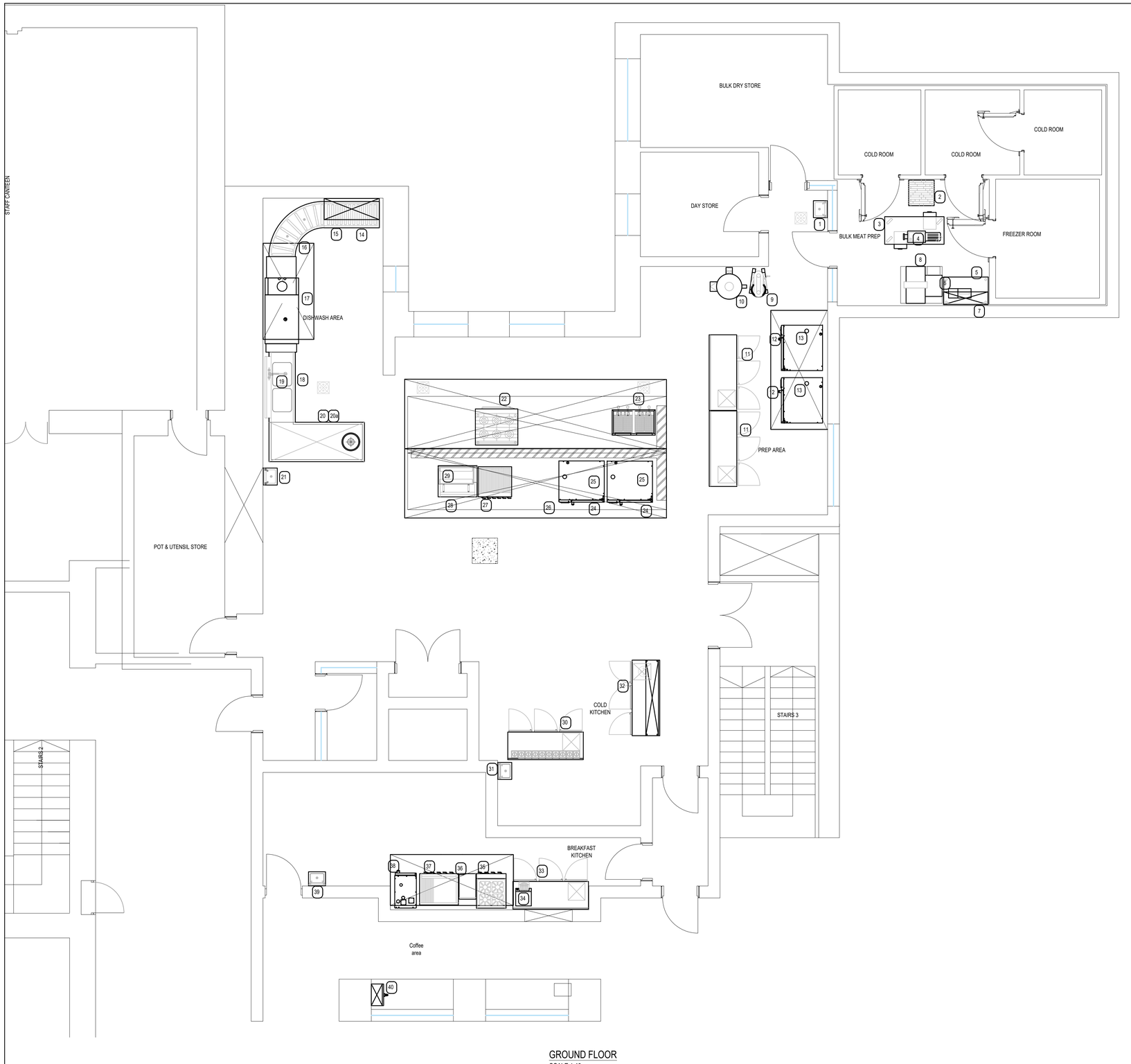


- KEY PLAN -

0 10 50 100

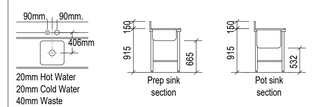
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33547.01-760-01 REVA - 90 PLEIN STREET KITCHEN EQUIPMENT.DWG



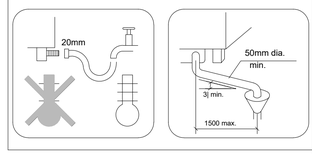
GROUND FLOOR
SCALE 1:40

TYPICAL VIEW OF SINK UNITS



COMBI STEAMER DETAILS

* 12mm Cold water pressure hose with 20mm coupling.
* Hose to be connected to stopcock.
* In-line filter to be fitted.
* 50mm Drain pipe (not hose pipe) to be straight (no bends) and positioned over centre of draining funnel.
* Waste water temp. 65 deg.C (approx.)
* Water consumption at 3 Bar averages 0,7 l/min
* First 1000mm of waste pipe to be copper



EQUIPMENT SCHEDULE:

ITEM	QTY	DIMENSIONS	DESCRIPTION
1.	1		S/S WASH HAND BASIN
BULK MEAT PREP -			
2.	1		BUTCHERS BLOCK
3.	1	1400x650	S/S MOBILE TABLE WITH GALV UNDERSHELF & 2 X CHEF DRAWERS
4.	1		NO.32 MINCER
5.	1	1050x650	S/S TABLE SBR WITH GALV UNDERSHELF
6.	1		SKYMSEN MEAT TENDERISER
7.	1	1050x300	S/S 2 TIER WALL SHELVING
8.	1		BAND SAW
9.	1		20 LITRE PLANETARY MIXER
10.	1		30 Kg POTATO PEELER
11.	2	1780x650	2.5 DOOR U/BAR FRIDGE SBR
12.	2	1069x971	CM102 20 PAN COMBI STEAMER COMES WITH WATER FILTER
13.	2	1069x971	CM62 12 PAN COMBI STEAMER COMES WITH WATER FILTER - STACKED WITH ITEM #12
14.	1	1300x620	S/S ROLLER OUTLET TABLE WITH BASKET RUNNERS UNDER
15.	1	1300x500	S/S SINGLE TIER WALL SHELVING
16.	1	1300x1300	S/S 90DEGREE ROLLER OUTLET TABLE
17.	1	2250x790	COMENDA AC2E-P5 RACK ADVANCING DISHWASHER
18.	1	1650x620	S/S DOUBLE BOWL PRE WASH SINK
19.	1		OVERHEAD SPRAY UNIT
20.	1	2250x930	S/S DOUBLE DIRTIES ANGLED DUMP TABLE WITH SCRAPEHOLE
20a.	1		3Hp WASTE DISPOSAL UNIT - C/W SILVER SAVER
21.	1		S/S WASH HAND BASIN
22.	1	1000x850	R-G6 6 OPEN BURNER GAS RANGE WITH OVEN
23.	1	1015x600	DPF 2/20 DOUBLE 20 LITRE DEEP FRYER
24.	2	1069x971	CM102 20 PAN COMBI STEAMER COMES WITH WATER FILTER
25.	2	1069x971	CM62 12 PAN COMBI STEAMER COMES WITH WATER FILTER - STACKED WITH ITEM #24
26.	1	1000x850	R -G6 6 OPEN BURNER GAS RANGE WITH OVEN C/W RANGE MOUNT STACKED WITH ITEM #24
27.	1	860x650	6 BURNER CHAR GRILL
28.	1	915x725	FTG-10 FLAT TOP GRILL
29.	1	895x420	SG-1 ELECTRIC SALAMANDER
30.	1	1780x650	2.5 DOOR PIZZA BACK U/BAR FRIDGE SBR
31.	1		S/S WASH HAND BASIN
32.	1	1780x650	2.5 DOOR U/BAR FRIDGE SBR & 3 TIER COLD PASS
33.	1	1780x650	2.5 DOOR U/BAR FRIDGE SBR
34.	1		CONVEYOR TOASTER
35.	1	700x815	4 BURNER BOILING TABLE
36.	1	400x600	VISION WORK STATION ON STAND
37.	1	915x735	FTG-10 GAS FLAT TOP GRILL 1/3 RIBBED
38.	1		RATIONAL SCC SLIMLINE COMPACT SELF COOKING CENTRE ON STAND - C/W WATER FILTER
39.	1		S/S WASH HAND BASIN
40.	1		25 LITRE ZIP HYDROBOIL



- KEY PLAN -

FOR TENDER

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CITY ENGINEER / CLIENT | REG. NO. | DATE

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PROJECT

PARLIAMENTARY PRECINCT
MARKS KITCHEN

DRAWING TITLE

GROUND FLOOR
KITCHEN EQUIPMENT UPGRADE

APPROVED BY BVi

ENGINEER/TECHNOLOGIST | 200970062 REG. NO. | 24/05/2022 DATE

SCALE	1:50 @ A1	DRAWN	W THOMPSON
DESIGNED	N MOLEEJANE	CHECKED	MA MALGAS
PLAN NUMBER		REVISION NO.	DATE SAVED
33547.01-760-01		T0	24 May 2022

33547.01-760-02 REVA - MARKS BUILDING KITCHEN EQUIPMENT.DWG

0 10 50 100