LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

BID NUMBER: LDPWRI-B/20346

CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN CAPRICORN DISTRICT

for the

DEPARTMENT OF SPORTS, ART AND CULTURE (DSAC) LIMPOPO PROVINCE

VOLUME 3 of 3: THE CONTRACT
(CONTRACTOR NOT TO RETURN)

Issued by:

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VOLUME 3:
THE CONTRACT

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PART C3 SCOPE OF WORKS

C3: Scope of work

Overview of the works:

The project comprises the construction of the following:

1. Theatre Building
2. Guard House
3. Electrical Works
4. Mechanical Work
5. Water Supply
6. Soil Drainage
7. Fencing
8. Roads, Parking, Ramps and Steps
9. Landscaping

All in accordance with the drawings and specifications that will be provided to the contractor.
The Contractor shall provide sufficient qualified technical staff, field staff, and safety personnel to ensure the Works under this contract be satisfactorily carried out safely and meeting the performance targets and programs. The Contractor shall also provide competent attendant(s) to monitor any works in relation to the scope of works.

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PART C3.1: SPECIAL NOTES TO BIDDERS

The following special conditions are for compliance and attention to bidders:

1.1. LDPWR&I reserve the right to call interviews with short-listed bidders before final selection.

1.2. LDPWR&I reserve the right to conduct supplier due diligence prior to final award or at any time during the contract period. This may include surprise site visits.

1.3. LDPWR&I reserve the right to appoint the bidder that proves to be fully capable and qualified to handle and execute the job.

1.4. The proposals submitted must be in line with the detailed specification.

1.5. LDPWR&I reserve the right to cancel or withdraw this bid if:

i. Due to changed circumstances, there is no longer a need for this services; or
ii. Funds are no longer available to cover the total envisaged expenditure; or
iii. No acceptable bids are received; or
iv. There is a material irregularity in the Bid process.

1.6. In the case of sub-contracting or joint venture agreement, LDPWR&I will enter into a single contract with the principal bidder.

1.7. Bidders who are not registered on Central Supplier Database (CSD) must register before submission of bids.

1.8. Any completion of the bid document in pencil or erasable ink will not be acceptable and will automatically disqualify the submitted bid.

1.9. Successful bidder will be required to sign and enter into a formal contract upon the award.

1.10. Notwithstanding shortcomings and/or inconsistencies, if any, in this specification, which is only a minimum specification, a bidder shall make provision for a complete solution that will deliver the required service efficiently and cost-effectively.

1.11. Bid documents must be submitted physically to the closing address as reflected on the Request for Quotations.

1.12. Quotations received after the closing date and time will not be accepted for consideration.

1.13. This request for bid document contains confidential information about LDPWR&I, which has been provided to supply potential bidders with the data necessary to provide a holistic response.

1.14. No part of the contents may be used, copied, disclosed or conveyed in whole or in part to any party, in any manner whatsoever without the prior written permission of LDPWR&I.

1.15. Any reproduction or transmission of information contained in this document except for the sole purpose of responding to this bid is strictly prohibited.

1.16. References to LDPWR&I must not be made in any literature, promotional material, and brochures or sales presentations without the express written consent of LDPWR&I.

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PART C3.2: CONTRACT PARTICIPATION GOALS

Enterprise Development

Specifies and describes the construction works to be provided and any other requirements and constraints relating to the manner in which the contract work is to be performed

DESCRIPTION OF THE WORKS

Employer's objectives

The objective of the project is to provide for a minimum contract participation goal (CPG) of 5% of the total project value and to develop targeted enterprises by the main or lead partner contractors.

The successful contractor shall:

1. Subcontract a minimum of 5% of the total project value to targeted enterprises
2. develop the targeted enterprise/s in two development areas as specified in the Standard, and agreed by both the main contractor and the targeted enterprise/s
3. perform needs analysis on the targeted enterprise to identify developmental goals;
4. provide internal mentorship support to improve the targeted enterprise/s performance;
5. develop a project specific enterprise development plan to improve the targeted enterprise/s performance in the identified developmental areas;
6. monitor and report the progress of the agreed development areas with the targeted enterprise/s and
7. submit a project completion report to the Employer's representative for each targeted enterprise.

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The development of the Targeted Enterprise should be guided by the **CIDB Competence Standard for Contractors Gazette No. 41237, 10 November 2017. Table 2**. below outlines the minimum recognized qualifications to which development of targeted enterprises must be undertaken by the main contractor.

Table 2: Recognized Qualifications

CIDB Grade	Minimum NQF Level	Recognised Qualifications
Business Management		
5 & 6	5	• National Occupational Qualification in Business Management NQF 5
2 to 4	2	• National Certificate: Construction Contracting NQF 2
Building and Construction Works Management		
5 & 6	5	• National Certificate: Management of Building Construction Processes NQF 5
2 to 4	3	• NCV 4: Civil Engineering and Building Construction, or • National Certificate: Supervision of Construction Processes
Civil Engineering Construction Works		
5 & 6	5	• National Certificate: Management of Civil Engineering Processes NQF 5, or • National Diploma: Civil Engineering and Building Diploma
2 to 4	3	• NCV 4: Civil Engineering and Building Construction or • National Certificate: Supervision of Construction Processes, or • Further Education and Training Certificate: Supervision of Construction Processes

Source: cidb Competence Standard for Contractors; Gazette Notice No. 41237

An example of the implementation of the Standard, a Civil Engineering contractor in grade 3 is the targeted enterprise that receives development in the two areas identified below:

1. Contractual knowledge transfer, planning, tendering and programming skills transfer

The main contractor must develop a training plan to address the developmental needs of the Targeted Enterprise. As a guide the development plan should refer to applicable unit standards that reside in NFQ level 3 National Certificate: Supervision of Construction Process qualification or equivalent. Contractual knowledge development and planning, tendering and programming skills transfer must be pitched at the level of NQF 3 and aligned to the outcomes of the applicable unit standard.

Note: the development will not necessarily translate into an accredited outcome.
Part C4: Site information

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PROCUREMENT

The Employer shall stipulate in the tender data that the contractor shall provide a minimum Contract Participation Goal (CPG) of 5% of the total project value and develop targeted enterprises in two agreed developmental areas.

The contractor shall appoint an ***Enterprise Development Co-ordinator*** who shall:

a) develop a project specific Enterprise Development plan to improve the targeted enterprise's performance in the identified developmental areas and shall allocate resources to monitor progress in relation to improved performance; and
b) submit to the employer's representative a monthly enterprise development report (Performa – ED105P) which documents all mentoring activities that have taken place during that month and the progress made in improving the targeted enterprise's performance in the agreed developmental areas, countersigned by the targeted enterprise.

Competence Criteria for an Enterprise Development Co-ordinator

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

1.1 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.
1.2 Minimum experience of 2 years in training and development in Building or Construction; and
1.3 National Diploma or B Degree in the Built Environment or Business Management

Part C4: Site information

MANAGEMENT

State the requirements for development:
The contractor shall provide a competent person/s to provide internal mentorship to the Targeted Enterprise/s in the two agreed developmental areas.

The Format of Communications
The contractor shall submit to the Employer's Representative:

1. 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;
2. 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 the participation parameter of the joint venture entered into; and
3. Enterprise development declaration (ED104P).

The Key Personal:
The contractor shall appoint an Enterprise Development Co-ordinator and a competent person/s to provide internal mentorship.

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Management Meetings:
The contractor shall report to the Employer's Representative on the implementation and progress of the targeted enterprise development and CPG.

The 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

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 in a timely manner and according to a prescribed format where applicable.

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.

PRO-FORMA DOCUMENTS
Annexure 1 - Form ED 105P Project Interim Report
Annexure 2 - Form ED 104P Enterprise Development Declaration
Annexure 3 - Form ED 101P Project Completion Report

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PART C4 SITE INFORMATION

PART C4: SITE INFORMATION

The site is adjacent to the Bakone Malapa OpenAir Museum. 10 Hectares parcel part of the 105 Hectares parcel ear-marked for Arts and Culture by DCAS, located along the R 37 to Lebowakgomo, 15km from the Polokwane CBD



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C4.1 GEOTECHNICAL REPORT

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GEOTECHNICAL INVESTIGATION REPORT FOR THE NEW BAKONE MALAPA PROVINCIAL THEATRE LOCATED IN THE POLOKWANE LOCAL MUNICIPALITY OF THE CAPRICORN DISTRICT IN THE LIMPOPO PROVINCE

Report Ref: BMT11/21PW

REPORT PREPARED BY:

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LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

NOVEMBER 2021

SUMMARY

A geotechnical engineering investigation was conducted at the Bakone Malapa Heritage Site in the Polokwane Local Municipality of the Capricorn District in the Limpopo Province in order to determine the suitability of the site with regard to the **Construction of New Limpopo Theatre at Bakone Malapa,** for the **Limpopo Department of Sports, Art and Culture (DSAC).** The theatre site is situated in the **Re/7/24 Remainder of the Farm Palmietfontein 24 KS,** located along R37 Chuenespoort Road.

The investigation was based on determining the mechanical properties of the soils underlying the site area. The subsurface conditions were evaluated by means of excavating test pits. Disturbed samples were collected selectively and submitted for laboratory testing.

The site was classified into site Class Designation zones, based on the findings and the criteria as set out in the NHBRC (1999) guideline document. The foundation recommendations and classification are based on the results obtained from this investigation.

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1. INTRODUCTION

1.1 General

A geotechnical engineering investigation was conducted at the Bakone Malapa Heritage Site in the Polokwane Local Municipality of the Capricorn District in the Limpopo Province in order to determine the suitability of the site with regard to the Construction of the **New Limpopo Theatre at Bakone Malapa,** for the **Limpopo Department of Sports, Art and Culture (DSAC).** These investigations were conducted in order to determine and evaluate the engineering geological characteristics of the in situ material underlying the site with regards to the proposed construction of a New Theatre. This report articulates an overview of the geotechnical properties and characteristics of the surfacial soils underlying the site earmarked for theatre development and the methods undertaken to conduct the investigation. This report gives an overview for the design and construction of the New Limpopo (Medium-Sized) **Theatre in Polokwane for the Department of Sports, Art and Culture (DSAC) planned as follows:**

- **Construction of Main Theatre building with 600 seating capacity**
- **Construction of Secondary Theatre building with 200 seating capacity**
- **Construction of Theatre supporting facilities**
- **The Theatre Facility will be a Mixed Use Development**

It also gives recommendations regarding foundation solutions correspondent to the soil classifications underlying the site area.

1.2 Terms of reference

PHATHOXON CONSULTING ENGINEERS was appointed by the **DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE,** Limpopo Province, to conduct Phase 1 & 2 geotechnical investigations for the envisaged development of a New Limpopo Theatre at Bakone Malapa which forms part of the infrastructure development projects from the Department.

1.3 Purpose and scope

The investigation had the following aims:

- To delineate the site into the prescribed geotechnical zones according to the different founding conditions
- To provide suitable foundation recommendations for the proposed development
- To determine the mechanical properties of the soil underlying the area
- To determine and evaluate the regional geological character of the study area
- To determine the regional soil suitability covering the site
- To recommend necessary precautionary measures during construction

1.4 Sources of information

The following sources of information were consulted during the investigation process:

- **1: 250 000 scale Geological Series Map, 2428 Nylstroom,** published in 1985
- NHBRC Home Building Manual Parts 1 & 2, and 3
- Satellite maps

2. SITE LOCATION AND DESCRIPTION

2.1 Site location and description

The study area is located close to Bakone Malapa Open Air Museum which is located on Re/7/24 Remainder of the Farm Palmietfontein 24 KS. It is located approximately 10 km outside the Polokwane CBD. The site is situated along the R37 Chuenespoort Road Provincial Route which links Polokwane CBD and Lebowakgomo. The study area is part of the envisaged township establishment by the Polokwane Local Municipality on a 100 hectares area. This 100 ha area is also used for wildlife and cattle grazing. The extent of the study area allocated for the Limpopo Provincial Theatre establishment is 10 hectares and is located on coordinates **Latitude 23°59'39.27"S Longitude 29°27'30.00"E.**

The area is bounded on the south by the R37 route and on the north by hills/koppies of the underlying bedrock granite. On the east it is having boundary with the Bakone Malapa Open Air Museum and residences.

The area under investigation is covered by thorn trees, bushes and tall grasses. It is covered by abundant rocks and quartz boulders. These rock boulders are encountered along the hillcrest which forms a band below the existing high hills. A large part of the northern portion is occupied by the hillcrest whilst the southern portion of the site is covered by a quarry/borrow. It is not clear whether this quarry was used for construction material excavation or retention of drinking water for the animals that graze in the area.

2.2 Climate

The climate not only governs the type of weathering which is likely to take place but also influences its rate. The climatic Weinert's N-value is the determining factor between mechanical and chemical weathering. According to Weinert (1980) mechanical weathering predominates where the N-value is greater than 5, whereas chemical disintegration is dominant where the N-value is less than 5. The depth of the residual soils is the differentiating element between these two zones: where the N-value is greater than 5 residual soils are shallow (arid western parts of the subcontinent), and deep residual soils are associated with an N-value of less than 5 (humid eastern and northern parts) (Brink, 1979).

The climate of the area is relatively semi-arid with an average maximum temperature of 24.7 C and mean average rainfall of 478 mm. The study area is situated on area that has an average annual rainfall of 300 - 440 mm falling predominantly in the summer between the months of October and April. Annual temperatures vary from an average summer maximum of 34.7° C to an average winter minimum of 12.5° C. Weinert's climatic N-value for this area is between 3 and 4 (N<5) which indicates that chemical decomposition is the dominant form of weathering resulting in the formation of thick soils (Weinert, 1980). Weinert's climatic N-value is based on the following formula:

$$N = \frac{12\,E_J}{P_a}$$

where N = Climatic index

E_J = Evaporation of the warmest month of the year in South Africa

P_a = Total annual precipitation

2.3 Vegetation

The relatively semi-arid climate is reflected in the prevailing vegetation of the area, fairly distinctive in its own right and characterized by Acocks (1988) as Pietersburg Plateau False Grassveld. Various acacia species predominate (e.g *A. tortilis* and *A. rehmanniana*) in the grasslands of *Themeda triandra*, *Elionurus muticus* amongst others, best preserved in the more extensive less disturbed farming areas where there has been little cultivation. A wedge of Mixed Bushveld comes in from the east in the vicinity of the Sand River, with other species such as *Dombeya rotundifolia* assuming an increased importance in the floral assemblage.

According to van Rooyen and Bredenkamp (1996) the natural vegetation falls in the *Savanna Biome*, and classifies as Mixed Bushveld. The distribution of this vegetation type is generally determined by shallow soils or sandy soils derived from granite, quartzite and sandstone. Around the area this vegetation is extensively disturbed due to residential development and cultivation. The study area is underlain by shallow soils which are characterized by the following general vegetation types:

- **Trees and shrubs:** Red Bushwillow (*Combretum apiculatum*), Common Hook-thorn (*Acacia caffra*), Sicklebush (*Dichrostachys cinerea*) and Live-Long (*Lannea discolor*).
- **Grasses:** Fingergrass (*Digitaria eriantha*), Kalahari Sand Quick (*Schmidtia pappophoroides*) and Wool Grass (*Anthephora pubenscens*).

2.4 Physiography

Geomorphologically, the study area falls on the land system that existed for over 100 million years ago (since the end of the Karoo Period) when the Northern Transvaal was intermittently inundated by a fluvio-lacustrine environment. The study area falls on the Pietersburg Plateau which registers between the *"African Cycle"* and the *"Post-African Cycle"* (King, 1975). The area covered by the Pietersburg **(now Polokwane)** map is generally undulated and punctuated by a few isolated koppies formed by younger intrusive granitoids in the south-eastern and northern portions of the map sheet area. The subsequent prolonged weathering has produced a peneplain topography with scattered and isolated rounded hills composed of resistant gneiss or granite rocks. The highest elevation, encountered adjacent to the R37 road to Chunniespoort on the farm Palmietfontein 24 KS, registers 1482 m above mean sea level (amsl) and is associated with the Turfloop granite. The lowest elevation which is 1167 m above sea level is encountered in the north eastern portion of the map

sheet and is associated with the flood plain of the Sandsrivier. The map area is drained in a north eastern direction by the perennial Sand River, Blood River and Strydomsloop River, and non-perennial streams in a dendritic pattern. Otherwise the streams are ephemeral in nature.

2.5 Geology and surfacial soils

The **1:250 000-scale 2428 Nylstroom Geological Map** show that the study area is underlain by the intrusive fine to medium – grained grey to pink biotite Turfloop Granite.

NB: The site do <u>not</u> reflect any risk for the formation of sinkholes or subsidence caused by the presence of water-soluble rocks (dolomite or limestone), and no evidence of mining activity beneath the study areas has been observed.

2.5.1 Hillwash

The transported soils on the site are clayey silty sands and considered to be of colluvial origin. These soils are derived from the weathering of underlying bedrock and exhibit a loose to dense and intact structure with low *in-situ* densities. The soils are generally dry, dark red brown gravelly clayey silty sands with abundant grass roots, boulders and quartz nodules. Hillwash produced by acid crystalline rock consisting of clayey sand has the potential to have a collapsible grain structure.

2.5.2 Colluvium

Colluvium refers to all soils on hill or mountain slopes which have moved down-slope by means of gravity with surface run-off as the most common trigger. The engineering geological properties of colluvium are determined by the nature of the parent rock and the mode of transportation to which it has been subjected to. Colluvial soils vary in exhibiting intact to open structure with high void ratios and low *in-situ* densities. On the study area the main engineering geological problem associated with these soils is the presence of a collapsible soil fabric associated with granites. Collapsible soils have good compaction characteristics; therefore they may be suitable for use in the lower layers of road construction and fill.

2.5.3 Residual Soils

In humid regions, the granites may be decomposed into residual soils of great depth. Quartz remains unaltered in the form of sand grains, mica particles remain partially unaltered, but the feldspars become thoroughly kaolinized by chemical reaction with water charged with carbon dioxide. If deep residual soils occur, in this case granitic residual soils, they frequently present collapsible grain structure. These soils are resultant from a great chemical weathering process.

Characteristically, the residual soils here are shallow and coarse textured thereby presenting no foundation problems; such problems, if arise, may be associated with deep transported soils rather than with the underlying bedrock.

Underlying the majority of the site is residual granite to refusal of the test pits. The residual is composed of totally weathered soft rock in a matrix of dry, light/dark brown mottled orange and black silty sandy gravels. These soils exhibit a medium dense to very dense intact structure.

3. INVESTIGATION METHODOLOGY

The investigation involved a desk study, field work and the compilation of the geotechnical report/explanation. The assumption used for this geotechnical investigation is that the relationship between land form and geology results in a specific suite of geotechnical conditions. This land facet approach suggests that soils derived from a specific condition of geology and land form type will have similar geotechnical properties. An integral part of the investigation process is therefore to obtain representative samples on any given geological and land form type condition. The geotechnical properties can then be extrapolated to other parts of the site exhibiting similar geology and land form.

3.1 Walk over survey

This stage of the investigation involved literature review and aerial photographic analysis, using 1:10 000-scale ortho-photographs and 1:50 000-scale aerial photographs from which landforms were identified, Collected information was used firstly to assess the potential engineering geological problems that can be expected on the study area and secondly, to assist with the sitting of trial pits. The information gathered was checked and edited during field work.

3.2 Fieldwork

The land form map drafted during the first stage was checked and edited during field work, where test pit positions were modified to accommodate local geological and landform conditions and accessibility. The density of test pits depended on the number of landform types, geological variation, access to property and the availability of existing information. Generally, the fieldwork comprised of *in situ* testing, visual inspection, test pit excavation and sampling. During this investigation a total number of twenty **(20)** test pits and eleven **(11)** samples were observed. The test pits were excavated using a **JCB – 3CX TLB.** The soil profiles were described according to the standard methods of Jennings, *et al*, **MCCSSO** (**M**oisture, **C**olour, **C**onsistency, **S**tructure, **S**oil type and **O**rigin).

3.3 Laboratory Tests

Although the conditions underlying the study area are homogeneous a total of eleven (11) disturbed soil samples were collected and submitted for laboratory testing to a properly accredited soils laboratory. Foundation Indicator tests were conducted to establish the soil type, the potential for heave and give an indication of its suitability for use in a housing construction according to the **Method of Van der Merwe (1964).** It is established from the laboratory test and in situ testing results that the soils encountered on the site possess low to medium values of heave potential but average values of collapsibility/compressibility.

3.4 Reporting

The soil profiles, in situ testing results, landform analysis and geology were integrated from which this preliminary explanation report was compiled. This technical report detailed the potential evaluation of the area, recommendations regarding foundation designs and NHBRC site classifications.

Table 1: Summary of test results of the project

Sample Description	Depth (m)	Atterberg Limits			GM	ACTIVITY	AASHTO CLASS.
		PI	LL	LS			
BM 1	0.0 – 1.10	9	27	4.7	2.04	**LOW**	A-1-a
BM 3	0.0 – 0.5	4.5	27.4	2.3	2.11	**LOW**	A-1-a
BM 5	0.0 – 1.10	15	35	7.5	2.00	**LOW**	A-1-b
BM 6	0.0 – 1.10	14.8	35.2	7.5	1.58	**LOW**	A-2-4(0)
BM 8	0.0 – 1.20	14	34	7.0	1.71	**LOW**	A-1-b
BM 9	0.0 – 0.7	13.6	32.5	7.0	1.25	**LOW**	A-2-4(0)
BM 10	0.0 – 1.10	14.0	31.3	6.8	1.56	**LOW**	A-2-4(0)
BM 12	0.0 – 0.9	15	37.6	7.3	1.56	**LOW**	A-2-4(0)
BM 13	0.0 – 0.9	14	34	7.2	1.92	**LOW**	A-1-b
BM 17	0.0 – 1.20	12	30	5.8	1.07	**LOW**	A-2-4(0)
BM 19	0.0 – 0.8	11.9	29.5	6.0	0.88	**LOW**	A-2-6(0)

The colluvium covering the site generally comprises soils with a high grading modulus of 2.00 with PI values oscillating between 12 and 14. This, together with the low clay contents is indicative of a low plastic material with a low to medium potential expansiveness, according to the method proposed by Van der Merwe. The residuum underlying the colluvium generally comprises gravelly material with also high grading modulus values and medium plasticity index (PI) values.

Table 2: Summary of CBR test results of the project

Sample Description	Depth (m)	MDD (kg/m³)	OMC (kg/m³)	CBR				P.R.A CLASS	Class TRH14
				98	95	93	90		
BM 1	0.0 – 1.10	2010	9.7	41	30	25	20	A-1-a	G6
BM 5	0.0 – 1.10	1984	11.4	28	26	19	12	A-1-b	G7
BM 8	0.0 – 1.20	1983	10.2	18	18	16	12	A-1-b	G7
BM 13	0.0 – 0.9	2020	10.4	28	25	23	16	A-1-b	G7
BM 17	0.0 – 1.20	1900	9.4	11	8	6	5	A-2-4(0)	G9

MDD = Maximum Dry Density; OMC = Optimum Moisture Content; CBR = California Bearing Ratios

According to the laboratory test results the soils revealed high California Bearing Ratios. The mean CBR value for the in situ soils in the project varied from a high of 41 to a low of 5. These soils exhibit very high moisture sensitivity, i.e. a large drop in CBR for small increases in moisture. Such material is susceptible to rapid loss of strength in a high moisture content regime leading to a reduction in bearing strength. The Bearing Capacity of the sandy soils is oscillating between 20 and 75kPa. The principle in the mechanism of failure due to weight is that the presence of excess moisture underneath the footprint of any structure, typically when the Field Moisture Content/Optimum Moisture Content ratio exceeds 1.0%, leads to a reduction in the bearing strength and eventual distress as mentioned above. These results oscillate above the minimum specified value of 15% for selected sub – grade.

4. GENERAL ENGINEERING GEOLOGICAL PARAMETERS

4.1 Inundation

Inundation or flooding can occur where floodwaters exceed the carrying capacity of the river or drainage channel causing flow to move out of the channel and onto the flood plain. Alternatively, flooding can occur as unconfined flow or sheet wash. Inundation can have disastrous effects where farmlands and development occur close to the river channel and partially below the 1:50 year flood line resulting in the loss of life, crops, live stock and damage to structures. Due to prevalent hot, dry conditions with sparse vegetation cover the area is susceptible to sheet flow during stormy conditions. No flooding problems are expected on the site.

4.2 Activity, expansiveness or swelling of soils

Damage to structures placed on potentially active soils occur where the expansiveness has not been quantified and remedial measures not employed. The potential expansiveness of a soil depends upon its clay content, the type of clay mineral present, its chemical composition and mechanical character. Most clayey soils change in volume as their moisture content changes seasonally where the amount of volume change depends on the type and amount of swelling clay in the soil. Shrinkage occurs mainly during the dry season and swelling during the wet season. Expansive soils are recognized in profile by their colour and structure being often black, dark grey, red or mottled yellow-grey but seldom light grey, brown or white. They show slickensiding or shattering which is distinctive evidence for heaving conditions. Expansive soils are associated mainly with areas where

the underlying bedrock geology is basic in composition (e.g. diabase) and low-lying areas, such as flood plains and drainage channels. The amount of expected heave also generally increases downward from a hill crest to a gully. A material is potentially expansive if it exhibits the following properties:

- Δ Clay content of more than 12%
- Δ Plasticity index of more than 12%
- Δ Liquid limit of more than 30%
- Δ Linear Shrinkage of more than 8%

The **Method of Van der Merwe (1964)** was used to determine the potential heave of soil samples. In addition to Van der Merwe's Method, the plasticity index and linear shrinkage of soil samples were used to indicate the soils potential expansiveness. The clay component and the activity of the soils increase with depth. This is a typical characteristic of soils derived from granite and gneiss rocks. Information obtained from the laboratory tests and *in situ* testing results shows that the soils on the site have a **low to medium heave potential. The Soil Class designated to these soils is H/H1.**

4.3 Excavatability

Excavatability is defined as the ease with which the ground can be dug to an average depth of 1.5 m. This is of importance for development as increased costs are associated with installing services or foundations in areas where difficulty is experienced with excavation. According to the test pits excavated the entire site is underlain by shallow bedrock. The average depth of all the test pits is 0.7 m with the deepest at 1.20m. The expected excavatability is moderate to severe for the entire site area. The site is classified as **Site Class R.**

4.4 Collapse potential

Collapsible soils are soils, which can withstand relatively large imposed stresses with small settlements at low in situ moisture content but will decrease in volume causing relatively larger settlements when wetting occurs under a load. This volume change is associated with a change in the structure of the soil and can occur in any open structured silty sandy soils with a high void ratio. Colluvial soils situated on straight slopes, plains and residual soils on well-drained hill-slopes exhibit

a collapsible and open structured fabric. The following four conditions need to be simultaneously satisfied before collapse will occur:

- The soils exhibit a collapsible fabric.
- Partial saturation of the soil is required as collapse settlement will not occur in soils below the water table.
- There must be an increase in moisture content.
- The soils need to be subjected to an imposed pressure greater than their overburden pressure.

Colluvial sediments situated on straight slopes, plains and residual soils on well-drained hill-slopes that were derived from the weathered granite exhibit a collapsible and open structured fabric. Collapsible soils in profiles are dark red, dark red brown, yellow brown or orange brown, loose to very loose in consistency, open structured, silty sands or sands with abundant gravels and minor silt. Through i*n situ* testing from the test pits profiles these soils revealed loose to dense consistency with coarse grain structure indicative of a collapsible potential and compressible. Therefore, the site soil classification designated to the site is a ***Site Class C1/S1*** with estimated settlement of > 10 mm.

4.5 Erodebility

The erosion of soils is a function of the resistance of slope materials to entrainment and transport, and the potential of slope processes that promotes erosion. The resistance of soil to erosion is also related to the mechanical strength, cohesion and particle size of the material self. The resistance of the soil to rain splash and slope wash, slope length and gradient and the proportion of the ground surface that is covered with vegetation are factors affecting erosion and erosion rates. The resistance of soil to erosion is also related to the mechanical strength, cohesion and particle size of the material self.

This geotechnical property has a critical environmental factor associated with it because the removal of vegetation and disturbance of the ground without re-compaction and vegetation may greatly increase the sediment load entering the water courses and water bodies in an area, through surface water runoff. This produces problems with water supply and it affects the biotic and abiotic elements of these environments. Erodible soil can also result in damage to structures such as roads and bridges constructed on this material.

It was observed that the soils on the study area are prone to disintegration by water or wind. The silty, coarse and gravelly sands derived from the granites are particularly prone to erosion where vegetation cover has been removed and the soils are unconfined. Flowing water carries these soils away leaving behind gullies and deep dongas. The storm waters may have an impact if not well managed.

4.6 Dispersivity

A dispersive soil is prone to the desegregation or separation of clay particles from the soil mass on contact with water. The presence of erosion gullies, piping and areas of stunted growth can identify these soils in the field. The Emmerson Crumb test was used to identify the dispersivity of soil samples by determining the tendency of soil particles to deflocculate and go into suspension. This test gives an indication of the dispersivity of soils. The soils underlying the area are prone to dispersion.

4.7 Permeability

Permeability is the ability of the soil to transmit water through voids. The size and inter-connection of the voids, rather than the void ratio, governs the rate of seepage. The size of voids is related to the distribution of particle size, particle shape and soil structure. Where the soil is stratified permeability is usually higher parallel to the stratification than perpendicular to it. High permeability is generally associated with sandy soils and low permeability with clayey soils.

The permeability of soils is an important geotechnical property, depending on the type of development being considered. Permeability controls the rate at which a soil will consolidate under load and is also an important consideration in the treatment of sub-foundation soils in dams and the prevention of seepage into excavations. The permeability of soils is also an important geotechnical environmental factor for certain developments such as cemetery sites, pit latrines and waste disposal sites. For these applications the permeability must be high enough to allow filtration of the leachate but low enough to allow for biochemical breakdown before reaching ground- or surface water. The permeability affects the rate at which water and contaminants can move through the soil and into the groundwater. Low permeability can result in the ponding of water in the rainy season over a period of months which may be a problem for certain types of development and high permeability can lead to instant contamination of the ground water. Accurate permeability of soils can only be determined using direct test methods either in the laboratory or in the field (in situ). The soils on the site exhibit

high permeability associated with soils derived from the colluvium and residual soils developed from the Turfloop granite.

4.8 Ground slope instability

This refers to an area comprising unstable geological materials that can move either gradually (creep) or suddenly as a slump or a slide. The risk of movement is determined by factors such as the nature of the slope (solid rock, colluvial material), gradient of slope, role of water, type and nature of vegetation cover, seismicity and impact of human activities such as undermining of a slope. The northern portion of the site is bounded by a mountain where the slope gradient is between 5^{o} – 10^{o}. Care should be taken during and after construction as creeping of the colluvial soils can occur.

4.9 Ground water

Ground water seepage was not encountered in any of the test pits profiled and no signs of temporary perched water tables, such as ferruginisation of the soil profile, were noted in the soil profile. Problems due to ground water seepage are therefore not expected on the site, nevertheless, good site drainage or plumbing precautions are a requirement. The entire development must be properly drained to prevent accumulation of surface water against the structure and seepage into the backfill behind retaining walls.

Each platform should, therefore, be shaped in a way that will ensure that storm water will be directed away from the top structure. It is also encouraged to plant vegetation or construct apron slabs around the buildings to reduce the effect of soil erosion.

4.10 Pseudokarst formation and core stones

Pseudokarst is one of the main problems associated with granitic soils. Granitic soils are susceptible to pseudokarst formation because their particle distribution allows for the washing out of fine material given a sufficient hydraulic gradient. This phenomenon is produced by the mechanical and chemical action of water through which finer materials are washed out from between coarser particles by selective mechanical suffosion or piping. The dispersiveness of the soil contributes to this particular problem. This problem is associated predominantly with the flow of water along side roads and drainage channels.

No core stones were found in the study area. Core stones in residual granitic soils may also hamper excavation of ground depending on the density of packing and the size of core stones. The nature and scope of the investigation does not allow for the detection of core stones and the presence of these is usually only discovered when excavation for foundations or services begin. A detailed investigation is therefore required to determine or estimate the anticipated excavatability problems associated with core stones and a shallow bedrock profile on a site specific scale.

4.11 Geotechnical evaluation for Urban Areas

For the purpose of zoning the site for development potential the site was classified according to the "Geotechnical Classification for Urban Development (after Partridge, Wood and Brink).
Table 3 attached overleaf presents a complete classification with **Class 1** indicating **most favorable** for development, **Class 2** as **intermediate** and **Class 3** as **least favorable.**

Table 3: Geotechnical Classification for Urban Development

	PARAMETER	CLASS 1 (Most favourable)	CLASS 2 (Intermediate)	CLASS 3 (Least favourable)
A	**Collapsible soil**		Surface collapsible horizon <750 mm thick	Collapsible horizon >750 mm thick
B	**Seepage**	Water table permanently deeper than 1.5 m below surface	Permanent or seasonal water table within 1.5 m of surface	Swamp and marshes
C	**Active Soil**	<2.5 mm differential movement expected	2.5-15 mm differential movement	>15 mm differential movement expected
D	**Highly Compressible Soil**	<2.5 mm differential movement expected	2.5 - 15 mm differential movement	>15 mm differential movement expected
E	**Erodible soil**	Low	Moderately dispersive soils, fissured clay, thick colluvium,	Highly dispersive soil, fissured clay, thick colluviums
F	**Difficulty of excavation to 1.5 m depth**	<10% rock or hardpan pedocretes	10-50% rock or hardpan pedocretes	>50% rock or hardpan pedocretes
G	**Undermined ground**	where depth to undermining is >100m in reasonably competent rock	Old undermined areas where stope closure has ceased	Where the depth to undermining is <100m
H	**Instability in areas of soluble rock**		Possibly unstable	Probably unstable
I	**Steep slopes**	Slope <6%	Slope 6-15%	Slope >15%
J	**Areas of unstable natural slopes**	Low risk	Intermediate risk	High risk
K	**Areas subject to seismic activity**	100 year max probability of <5 Mod Mercalii intensity	100 year max probability of 5-8 Mod Mercalii intensity	100 year maximum probability of >8 Mod Mercalii intensity
L	**Areas subject to flooding**		Areas above 1:50 year flood line but with slope <1%	Areas below 1:50 year flood line

5. CONSTRUCTION MATERIAL

The construction and building industry has an important influence on many sectors of the national economy. The demand for aggregate, building sand and brick-making clay increases as urban expansion continues putting immense pressure on existing construction and building material resources. Limited construction material sources occur within the area and an effort was made to capture all known potential and existing construction material sites.

Natural material from the site is generally gravelly, with less clay contents, that to be confirmed by the laboratory results. If any material is earmarked for construction purposes, caution should be taken. The gravelly component in some of the colluvium and highly weathered residual horizons is potentially suitable for road building purposes, but should be thoroughly tested prior to use.

Natural building sand has been extracted from a number of areas, usually from river alluvium with lesser quantities of pit sand. Manufactured sand is also available from the local quarries, but is of low demand because of the adequacy of natural sand. There are adequate reserves of alluvial sand along the Blood and Sand Rivers, but as the regional rainfall controls the flow rate of the material for a specific use and also gives information about the distribution of grains with nominal diameters present in a sample. Other properties of minor importance are the classification on the basis of various properties (origin, source material, shape, etc.), sources (river sand or pit sand) and uses.

Aggregate constitutes the bulk filler in concrete, mortar and plaster in various building applications and plays an important role in the determination of the physical properties and behavior of manufactured products **(SABS, 1984).** It can be subdivided into building sand and coarse aggregate (stone), where at least 90% of the former will pass through a sieve of 4.75 mm aperture size and 90% of the latter would be retained by such a sieve (Mineral Resources of S.A.).

6. SPECIAL AMENITIES

6.1 Sanitation, Waste Disposal and Cemeteries

Conditions in the area are not suitable for the use of soil seepage type sanitation system. Pit latrines, septic tanks and French drains would not become flooded in sandy areas where seepage rates are too fast. Shallow bedrock would also hinder installation throughout the area, and seasonal perched water tables and streams would be prone to contamination. Water borne sewerage sanitation

system would be the ideal means of sewage disposal in the area. All sewerage pipes (and other wet services) should, therefore, be provided with flexible joints where entering and leaving structures to prevent leakage.

Sites for waste disposal have to be investigated and must comply with a set of minimum standards enforced by the Department of Water Affairs and Forestry. All new sites in South Africa have to be licensed by the DWAF. No part of the study area would comply with these minimum standards due to the close proximity of existing and the proposed development.

Cemeteries are regarded as an undesirable source of water pollution just as with waste disposal. Although there is no legislation that enforces the placing of a cemetery, but there are comprehensive guidelines, which assist the placing of cemeteries. According to these guidelines the study area is generally not suitable for the cemetery purposes. Coarse grained, gravelly and sandy structure of the soils underlying the village is the prohibiting factor, and therefore, a detailed engineering geological investigation should precede the establishment of a cemetery.

7. CONCLUSIONS AND RECOMMENDATIONS

This geotechnical investigation report carried out for the proposed construction of the Provincial Theatre development in the Bakone Malapa (Limpopo Province) covers Phase 1 investigations. Conditions prevailing at the site suggest that no problems are foreseen for the development of masonry structures, provided the recommendations outlined in the report are adhered to. In general, since the lateral extent of the soil profiles could not be confirmed during the investigation, a conservative approach of designing for a worst case scenario is adopted. The entire site is assigned a competently reinforced foundation solution. The site is designated as **Soil Class R/H1/C2.**

The geotechnical soil classifications designated to this site was done in accordance with the guidelines of the NHBRC[Reference 12.10.] Soil movements of >10mm of settlement are expected considering the vertical and horizontal homogeneity of the soil profile of loose to moderately dense consistency present across the entire site.

Following are some of the findings with recommendations obtained from this investigation:

1. **The northern portion of the site is covered by a bush of tall trees. It is recommended that an Environmentalist be involved to determine whether there are no protected trees that need not be removed.**

2. **The entire site is covered by shallow soils, that is, the bedrock is shallow. The average depth to bedrock is 0.8 m. If the envisaged development concept is a single storey building it is deemed that a reinforced foundation can be adequate. Several foundation solutions are recommended, namely, the slab-on-the-ground, soil raft, stiffened raft and/or cellular raft the foundations. These foundations can also be pinned to the shallow and competent granite bedrock which possesses a safe bearing capacity of around 3300kN/m^2. Pier foundation can also be a consideration provided the strength of the current rock can be confirmed.**

   If slab foundations are considered care should be taken for water penetrating between the slab and the rock.

   Vice versa, if the envisaged development (building concept) is a double story with one or two basement the foundation recommendation is that a building of such magnitude is to be placed on pile foundations. The recommendation is that drilling should be conducted. The boreholes should be drilled 6 m into bedrock to determine the strength and hardness of the parent rock. The pile foundation is the safest and guaranteed foundation for both single and double storey buildings.

3. **The northern portion bounded by the mountain has a gradient slope of 6° – 10°. Constructing on this portion will need platforms. Further investigation will need to be done to determine how the platforms should be cut.**

4. **Nowadays construction is a lucrative business. Most of the construction sites are located on private owned properties. The recommendation is to determine whether on the 100 hectare area there are any possible potential construction materials.**

7.1 Proposals for founding and Construction

As mentioned in the report the soils on the site exhibit a collapse potential (from laboratory and in situ testing). Therefore, taking all factors into consideration it is our recommendation that for single story structures **reinforced foundations** be used with reinforcement in the masonry. It is further recommended that all inner walls be constructed with butt joints with the outer walls, tied together with concertina ties to form articulation joints that will allow some differential movement without causing serious damage to the masonry brickwork.

The above foundation recommendations are according to the NHBRC Home Builders Manual (1999). It is recommended that the structural engineers calculate the best economical foundation option for the proposed development based on the type of development and different available construction methods. The ground conditions should be verified by the Competent Person once the development commences. The inspection of the foundation and service excavations by a Competent Person is recommended.

7.2 Precautions against moisture

Although the presence of perched water is unlikely it is advisable to install a DPC layer to ensure that problems are not experienced with moisture or damp penetrating through the floors of houses or moving upwards in the walls. It is, therefore, recommended that a waterproof membrane, 250 micron damp proof course (DPC) be installed under all floors. The average area of DPC required for the soil raft foundations is 79.1m^2. In the case of normal strip footings the average of DPC required is 51.4m^2 in comparison to the 79, 1 m^2 required for the raft foundations.

Conclusively, the surfacial soil conditions referred to in this report are specifically those observed from in situ testing and laboratory tests. Probably, variant conditions with those discussed above can be encountered elsewhere. Any change from the anticipated ground conditions could then be taken into account to avoid unnecessary expenses. Therefore, it is empirically recommended that this report is applicable only for the proposed new theatre development.

REPORT DONE BY:

NICHOLAS MPATENI ***REG NO.: 400106/05***



8. REFERENCES

- The following sources of reference were used during the investigation of the site and the compilation of this report.
- Jennings JE et al. "Revised Guide to Soil profiling for Civil Engineering Purposes in Southern Africa" - Civil Engineer in South Africa, January 1973.
- Van der Merwe DH. "The prediction of heave from the Plasticity Index and percentage clay fraction of soils" - Civil Engineer in South Africa Vol 6, 1964
- TRH 14, "Guidelines for Road Construction Materials" - NITRR, 1985
- Guidelines for Soil and Rock Logging in South Africa - AEG-SA section, SAICE, SAIEG - 2002.
- Code of Practice – Foundations and Superstructures for Single Storey Residential Buildings of Masonry Construction – The Joint Structural Division of SAICE and IStructE, First edition 1995.
- Code of Practice - The safety of Persons Working in Small Diameter Shafts and Test Pits for Civil Engineering Purposes - Geotechnical Division of SAICE - 2003.
- Geotechnical Site Investigations for Housing Developments – Generic Specification GFSH-2. National Department of Housing. September 2002.
- SAICE's Guidelines for Urban Engineering Geological Investigations.
- Engineering Geological Site Characterisation for Appropriate Development in Dolomitic Land – Council of Geoscience and South African Institute for Engineering and Environmental Geologists.

APPENDIX A

MAPS

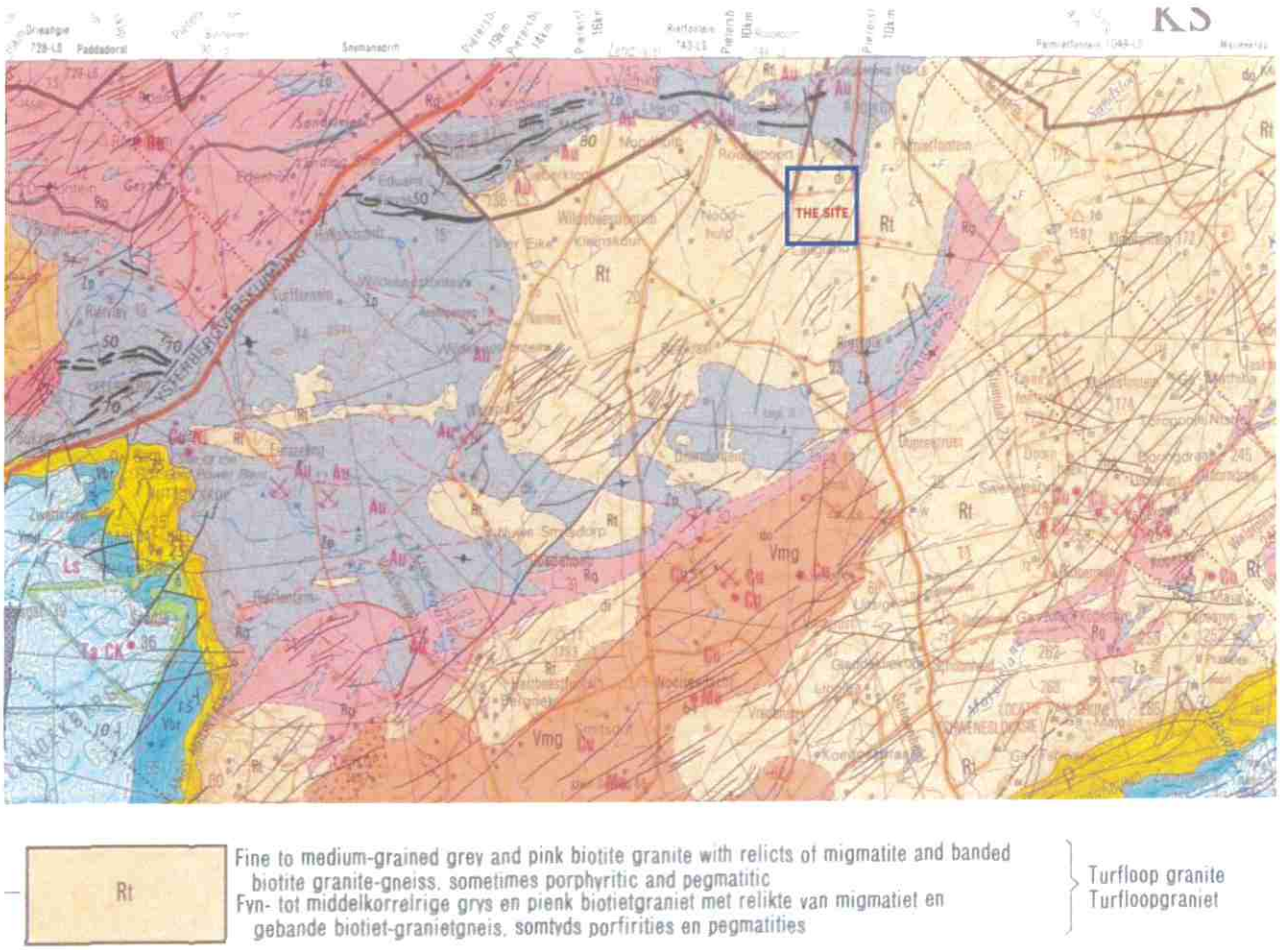


Figure 1: Geology of the study area

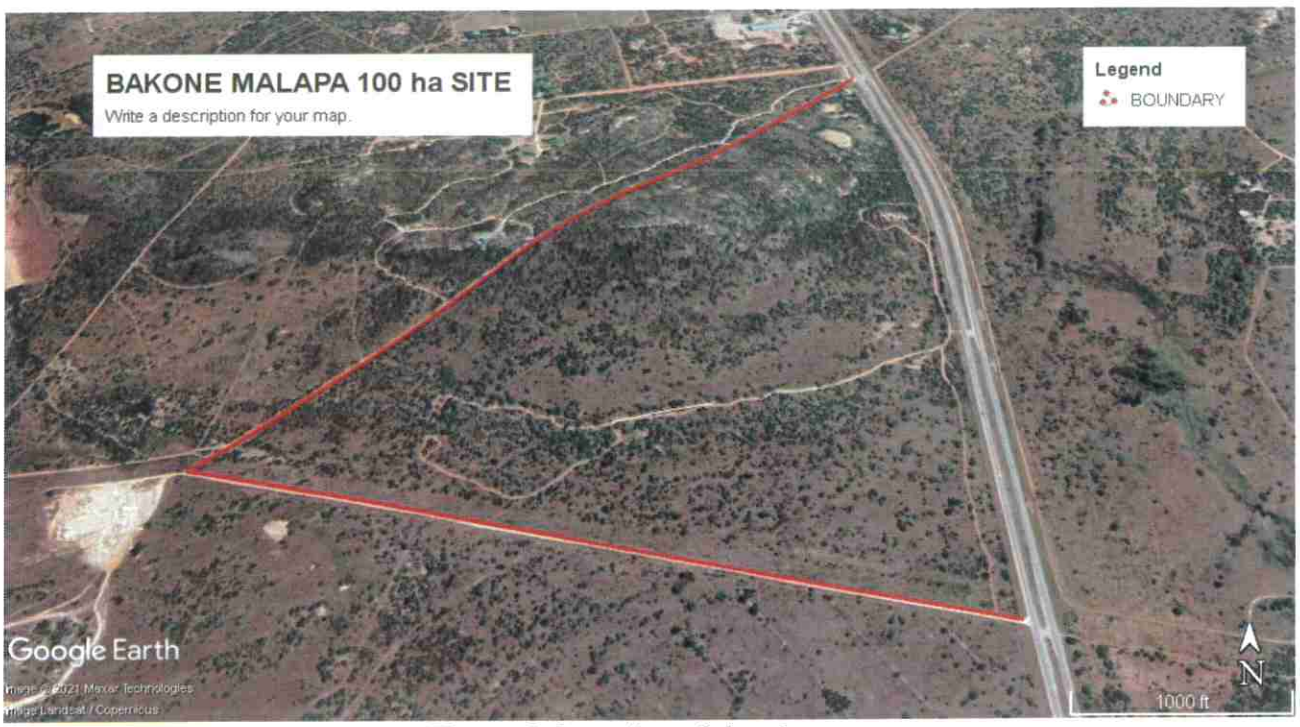


Figure 2: Location of the site



Figure 3: Test pit positions

APPENDIX B

MUNICIPALITY SURVEY MAPS

APPENDIX C

SURVEY MAPS

APPENDIX D

SOIL PROFILES

APPENDIX E

LABORATORY TESTS

APPENDIX F

PHOTOS



Photo1: View of the hill crest and quartz rock boulders



Photo 2: View of the hill and hill crest looking north



Photo 3: View of the quarry looking north



PHOTO 4: VIEW OF THE QAURRY LOOKING SOUTH TOWARDS THE ROAD R37



Photo 5: Panoramic view of the bush trees



PHOTO 6: VIEW OF THE BOULDERS ENCOUNTERED IN ONE OF THE TES PITS



PHOTO: VIEW OF THE MACHINE USE FOR EXCAVATIONS

APPENDIX G

TABLES

APPENDIX C-SITE CLASSIFICATION AND FOUNDATION SELECTION

The foundation recommendations proposed in this report have been developed in accordance with the NHBRC Home Builders Manual Parts 1&2. The manual states that foundations will be adopted such that they are able to transmit loads form the superstructure to the soil horizons safely and without causing excessive movement or distress to the element which they support.

This process begins with the classification in accordance with the following table C1.

The manual states that subsurface drains are deemed necessary, they shall be designed and supervised by a competent person.

Table C1. Residential site class designations

TYPICAL FOUNDING MATERIAL	CHARACTER OF FOUNDING MATERIAL	EXPECTED RANGE OF TOTAL SOIL MOVEMENT (mm)	ASSUMED DIFFERENTIAL MOVEMENT (% OF TOTAL)	SITE CLASS
Rock (excluding mud rock which may exhibit swelling to some depth	STABLE	NEGLIGIBLE	-	R
Fine grained soil with moderate to very high plasticity (clay, silty. Clayed silts and sandy clays)	EXPENSIVE SOILS	>7.5 7.5-15 15-30 >30	50% 50% 50% 50%	H H1 H2 H3
Silty sands, sands and gravely soils	COMPRESSED AND POTENTIALLY COLLAPSIBLE SOILS	<5 5-10 >10	75% 75% 75%	C C1 C2
Fine grained soils (clayed silts and clayey sands of low plasticity)sands, sandy low gravely soils.	COMPRESSIBLE SOILS	<10 10-20 20	50% 50% 50%	S S1 S2
Contaminated soils, controlled fill, dolomitic area, Landfill. Marshy area Mine waste, fill, mining subsidence Reclaimed areas, uncontrolled fill, very silts/silty clays	VARIABLE	VARIABLE		P

Note

1. The classification C, H, R and S are not intended for dolomitic areas unless specific investigations are carried out to assess the stability (risk of sinkholes and doline formation) of the dolomitic. There the risky is found to be acceptable the site shall be designated in accordance with provision of clause 2.8 of part 1 section 2.
2. Site classes are based on the assumption that differential movements, experienced by single storey residential structures, expressed as a percentage of the total soil movements are approximately equal 50% for soil that exhibit expansive or compressible and collapse characteristic. Where this assumption is incorrect or compressive characteristics and 75% for soils that exhibit both compressible and collapse characteristic. Where this assumption is incorrect or appropriate the total soil movement must be adjusted so that resultant differential movement implied by the table is equal to that which is expected in the field.
3. In some instances it may be more appropriate to use a composite description to describe a site more fully e.g. C1/H2 OR S1 and/or H2. Composite site classes may lead to high differential movement and results in design solutions appropriate to a higher range of differential movement e.g. a class R/S1 may be necessary as the final design solution may depend on the location of the housing unit on a particular site.
4. Where is it possible to provide a single site investigation and a composite description is inappropriate, sites may be given multi description to indicate that range of possible conditions e.g. H-H1-H2 OR C1-C2
5. Soft silts and clay exhibits high consolidation and low bearing characteristic. Structure founded on these horizons may experience high settlements and such sites should be designated as class S1 and S2 as relevant and appropriate.
6. Site containing contaminated soils includes those associated with reclaimed mine land, land down slope of mine tailing and old landfills.
7. Where a site is classified as being P, full particulars relating to the founding conditions on the site provided.
8. Where a site is classified as being P the reason for such classification shall be placed in brackets immediately after the suffix i.e. P (contaminated soils) under such circumstances composite descriptions may be appropriate.
9. Certain fills may be contain contaminates which present health risk. The nature of such fills should be evaluated and should be clearly demarcated as such.

Having classified the site soil types the foundation can be selected from the following NHBRC options:

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Cellular raft: A foundation system that compromise two horizontal reinforced concrete slabs interconnected by a series of web beams that by virtue of its stiffness.

- Enable a structure to tolerate differential movements or localized loss of support (soft spots): or
- Reduce the differential heave movements to a level that can be tolerated by the superstructure.

Deep strip foundation: normal construction where the foundations are founded at a greater depth that normal, on a competent horizon below the soil horizon, which exhibits compressible or collapsible characteristics.
Modified normal construction: normal construction with precaution joints at doors and openings light reinforcement in masonry and reinforcement in concrete strip footings
Normal construction: unreinforced concrete strip or lightly reinforced slab-on-the-ground foundations with reinforced masonry.
Pier foundation: masonry, reinforced concrete or mass concrete column with or without a pad footing, designed to transfer structural loads to a suitable founding horizon.
Slab-on-the-ground: concrete floor supported on the ground, incorporation lightly reinforced intergral edge and internal beams.
Stiffened raff: a foundation system that comprises a grid of reinforced/post tensioned concrete beams cast integrally slab, which by virtue of its stiffness:

- Enable a structure to tolerate differential movements or localized loss of support (soft spots), or
- Reduces the differential heave movements to a level that can be tolerated by the superstructure

Stiffened strip footing: A foundation system which, by mean of reinforced stiffened beam elements, enable a structure differential movements or localized loss of foundation supported (soft spots) without damage occurring.
Strip footing: a rectangular unreinforced or lightly concrete foundation, which supports masonry walls.

Table C2. Foundation Design, building procedures and precautionary measures for single storey residential structures founded on expansive soil horizon.

SITE CLASS	ESTIMATED TOTAL HEAVE (mm)	CONSTRUCTION TYPE	FOUNDATION DESIGN AND BUILDING PROCUDURES (EXPECTED DAMAGE LIMITED TO CATEGORY 1)
H	<7.5	Normal	• Normal construction (strip footing or slab-on-the-ground) foundation • Site drainage and service/plumbing precautions recommended.
H1	7.5 -15	Modified normal Soil raft	• Light reinforced strip footing • Articulation joints at all internal/external doors and openings • Light reinforcement in masonry. • Site drainage and plumbing precautions • Remove all or necessary parts of expansive horizon to 1.0m beyond the perimeter of the building and replace with inter backfill compacted to 93% MOD AASHTO density at -01% to + 2% of optimum moisture content. • Normal construction with lightly reinforced strip footing and light reinforcement in masonry if residual movement s are >7.5mm or construction type appropriate to residual movement.
H2	15-30	Stiffened or cellular Raft Piled construction Soil raft	• Stiffened or cellular raft of articulated lightly reinforced masonry • Site drainage and plumbing/service precautions • Piled construction with suspended floor slabs with or with ground beams. • Combination of reinforced masonry and full movement joints • Suspended floor or fabric reinforced ground slab acting independently from the building. • Site drainage and plumbing/services precautions • As for H1
H3	>30	Stiffened or cellular Raft Piled construction Soil raft	• As for H2 • As for H2 • As for H2

Note

1) Differential heave equals 50% of total heave.

2) The relaxation of some of these requirement e.g. the reduction or omission of reinforcement or articulation joints, may results in a category 2 level of expected damage.

Table C3. Foundation design, building procedure and precautionary measures for single storey residential structures founded on soil horizons subject to both consolidated and collapse settlement.

SITE CLASS	ESTIMATED TOTAL SETTLEMENT (mm)	CONSTRUCTION TYPI	FOUNDATIONS DESIGN AND BUILDING PROCEDURES (EXPECTED DAMAGE LIMITED TO CATEGORY 1)
C	<5	Normal	• Normal construction (strip footing or slab-on-the ground)foundations • Good site drainage
C1	5-10	Modified normal Compaction of insitu below individual footing Deep strip foundations Soil raft	• Reinforced strip footings • Articulation at some internal and external doors • Light reinforced in masonry • Site drainage and service/plumbing precautions • Foundations pressure not to exceed 50kPa • Remove insitu materials below foundations to a depth and width of 1.5 times the foundations width or to a competent horizon and replace with material compacted to 93% MOD AASHTO density at – 1% to +2% of optimum moisture content. • Normal construction with drainage precautions. • Foundation of a competent horizon below the problem horizon • Remove insitu material to 1,0m beyond perimeter of the building to a depth of 1,5 time the widest foundation or to a competent horizon and replace with material compacted to 93% MOD AASHTO density at -1% to +2% of optimum moisture content. • Normal construction with lightly reinforced strip footing and light reinforcement in masonry.
C2	>10	Stiffened strip footing, stiffened or cellular raft. Deep strip foundations compaction of insitu soils below individual footings Piled or pier foundations. Soil raft	• Stiffened strip footings or stiffened or cellular raft with lightly reinforced or articulate masonry • Bearing pressure not to exceed to 50kPa • Fabric reinforcement in floor slab • Site drainage and service/plumbing precaution • As for C1 but with fabric reinforcement in floor slab • As for C1 • Reinforced concrete ground beams or solid slab on piled or pier foundations • Ground slab with fabric reinforcement • Good site drainage • As for C1

Note: Differential settlement equals 75% of total settlement
The relaxation of some these requirements e.g. the reduction or omission of reinforcement or articulation joints, May results in a category 2 level of expected damage.

Table C4. Foundation design, building procedure and precautionary measures for single story residential structures founded in soil horizons subject to consolidation settlement.

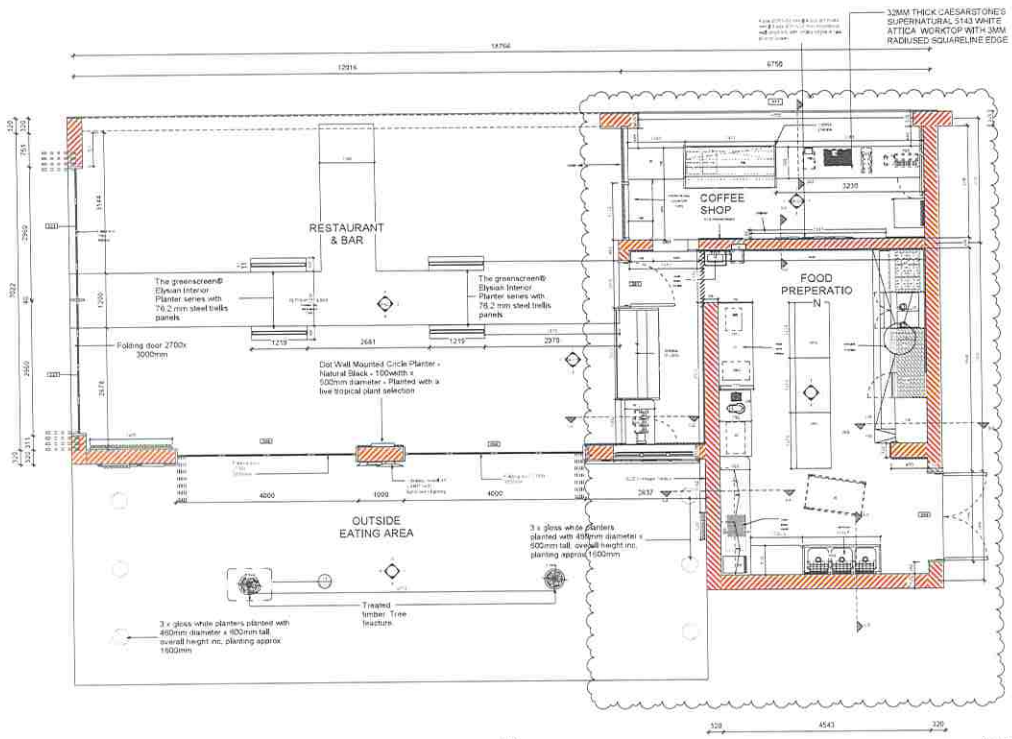
SITE CLASS	ESTIMATED TOTAL SETTLEMENT (mm)	CONSTRUCTION TYPE	FOUNDATION DESIGN AND BUILDING PROCEDURES (Expected damage limited to category)
S	<10	Normal	• Normal construction (strip footing or slab-on-the ground)foundations • Good site drainage
S1	10-20	Modified normal Compaction of insitu below individual footing Deep strip foundations Soil raft	• Reinforced strip footings • Articulation at some internal and external doors • Light reinforced in masonry • Site drainage and service/plumbing precautions • Foundations pressure not to exceed 50kPa • Remove insitu materials below foundations to a depth and width of 1.5 times the foundations width or to a competent horizon and replace with material compacted to 93% MOD AASHTO density at – 1% to +2% of optimum moisture content. • Normal construction with drainage precautions. • Foundation of a competent horizon below the problem horizon • Remove insitu material to 1,0m beyond perimeter of the building to a depth of 1,5 time the widest foundation or to a competent horizon and replace with material compacted to 93% MOD AASHTO density at -1% to +2% of optimum moisture content. Normal construction with lightly reinforced strip footing and light reinforcement in masonry.
S2	>20	Stiffened strip footing, stiffened or cellular raft. Deep strip foundations compaction of insitu soils below individual footings Piled or pier foundations Soil raft	• Stiffened strip footings or stiffened or cellular raft with lightly reinforced or articulate masonry • Bearing pressure not to exceed to 50kPa • Mesh reinforcement in floor slab • Site drainage and service/plumbing precautions • As for S1 but with Mesh reinforcement in floor slab • As for S1 • Reinforced concrete ground beams or solid slab on piled or pier foundations • Ground slab with fabric reinforcement • As for C1

Note

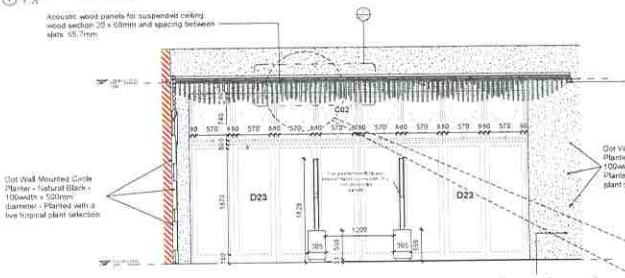
1) Differential settlement equals 50% of total settlement
2) The relaxation of some these requirements of the reduction or omission of reinforcement or articulation joints, May results in a category 2 level of expected damage.
3) Account must be taken of sloping sites where differential fill heights may lead to greater differential settlement.
4) Settlement induced by loads imposed by deep filling beneath surface beds may necessitate the adoption of a construction type appropriate to a more severe class.

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AND INFRASTRUCTURE

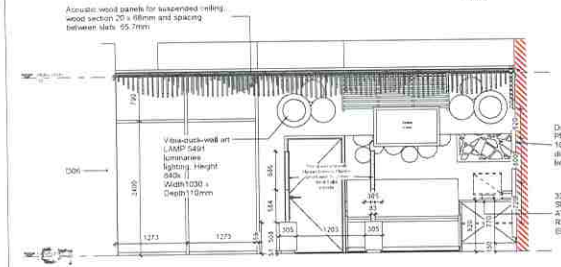
C4.2 DRAWINGS & SPECIFICATIONS



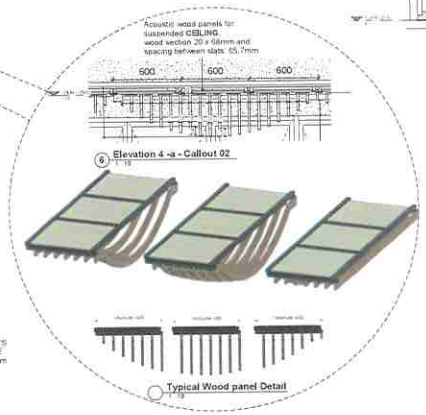
1 FLOOR LAYOUT 1 : 50



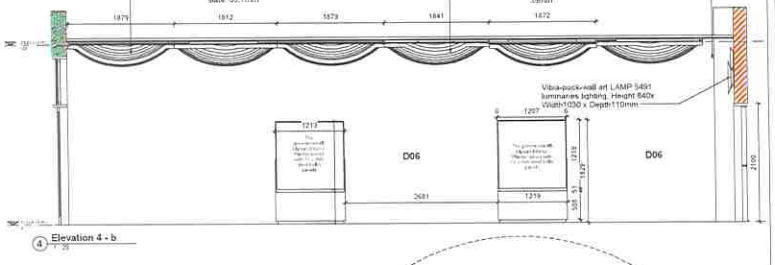
2 Elevation 4 -a 1 : 20



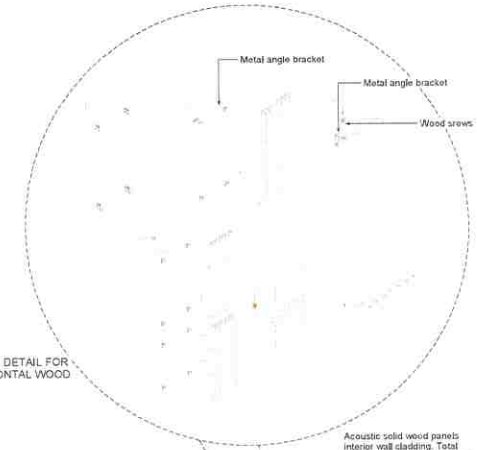
3 Elevation 4 -c 1 : 20



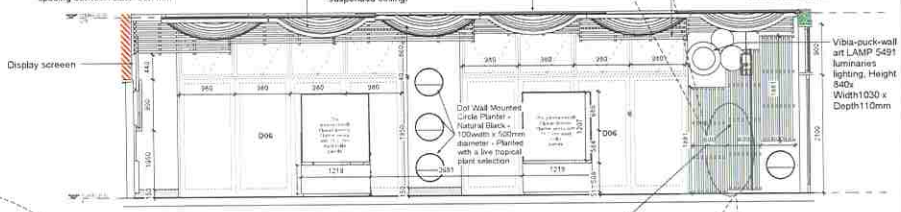
6 Elevation 4 -a - Callout 02 1 : 10



4 Elevation 4 - b 1 : 20

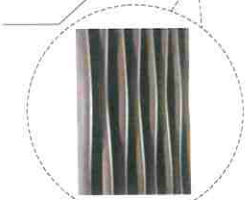


CALLOUT
TYPICAL CONNECTION DETAIL FOR VERTICAL AND HORIZONTAL WOOD PANEL.

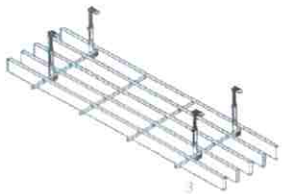


5 Elevation 4 - d 1 : 20

Acoustic solid wood panels interior wall cladding. Total thickness 91mm,wood section 40x56mm,black rear wooden counter slats 34x45mm and spacing between slats 35mm



TYPICAL VERTICAL WOOD PANELS.



TYPICAL CONNECTION OF THE SUSPENDED CEILING WOOD PANEL



-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

dbl architects and heritage engineers cc

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

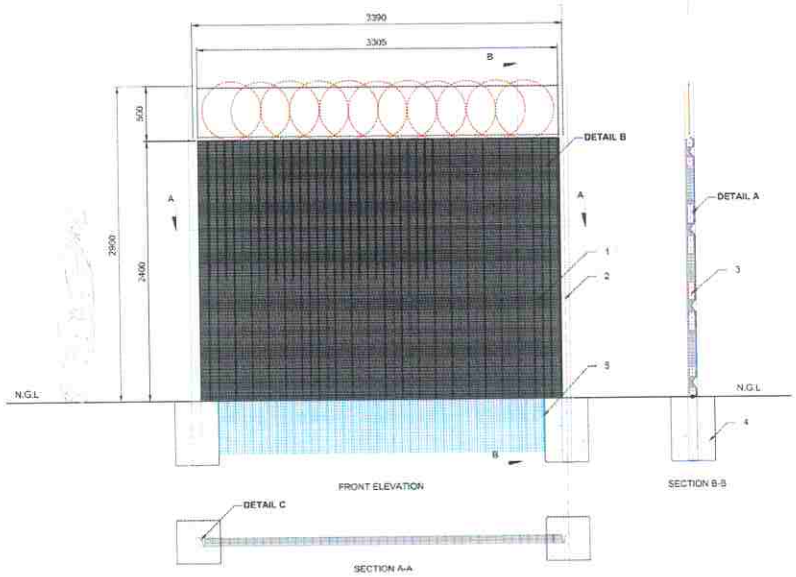
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	FOR INFORMATION .	17-06 -2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER:	LDPWRI-10/1/1/R
REFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE	17-06 -2023
TITLE:	PROPOSED LIMPOPO PROVINCIAL THEATRE
SHEET CONTENT	RESTAURANT& BAR
DRAWN BY:	N.M
CHECKED BY	BC
SCALE:	AS SHOWN
DRAWING NUMBER: ACE&PT-DWG-RB - 01	REV 00
WORK STAGE	DETAILED DESIGN :STAGE 04

Clearvu® Technical Specification





SPECIFICATION

CLEARVU® SUPERIOR WALL PANEL

1. PANEL: 3.0 MM(+/-0.1MM) THICK WELDED MESH PANEL, 200MM BY 50MM APERTURE, 4MM DIAMETER HORIZONTAL WIRES AND 5MM DIAMETER VERTICAL WIRES, HOT DIP GALVANIZED.
PANEL FORMATION: PANEL TO BE PROVIDED WITH 3- DEEP 'V' FORMATION HORIZONTAL RECESSED BANDS (RIGIDITY), 2 x 70° FLANGES ALONG SIDES.
INTERNAL FIXTURES: ANTI-VANDAL ALLOWANCE FOR FLUSH POST AND PANEL FINISH LINE (WIRE 20 LWG, 1200MM LONG) TO BOND PANEL TO MESH PANEL AND 2 x 90° FLANGES ALONG TOP AND TOE.
ARROW: STRAIGHT EDGES INTERRUPTED WHERE COATING MEDIA DAMAGED.
(ANTI-VANDAL ALLOWANCE)

2. POSTS: 100MM BY 100MM SQUARE, 3.0MM THICK WELDED STEEL TUBE, HOT DIP GALVANIZED.

3. CLAMPS: SINGLE BOLT (M8) CLAMPS
DOUBLE BOLT CLAMPS
COATING: GALVANIZED

4. FOUNDATION TO BE SPECIFIED BY CIVIL ENGINEER ON SITE

5. FIXING: 50MM UNDERSIDE

APPROVED BY CLIENT

DETAIL A
SCALE 1:5

DETAIL B
SCALE 1:5

DETAIL C
SCALE 1:5

1 FENCING SPECIFICATION
1 : 100

ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECT'S ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

EL.	SEQUENCIAL	REV.
0	STAGE	CURRENT

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER
LDPWRN/19/1/1/0/1

PROJECT NUMBER
TBA

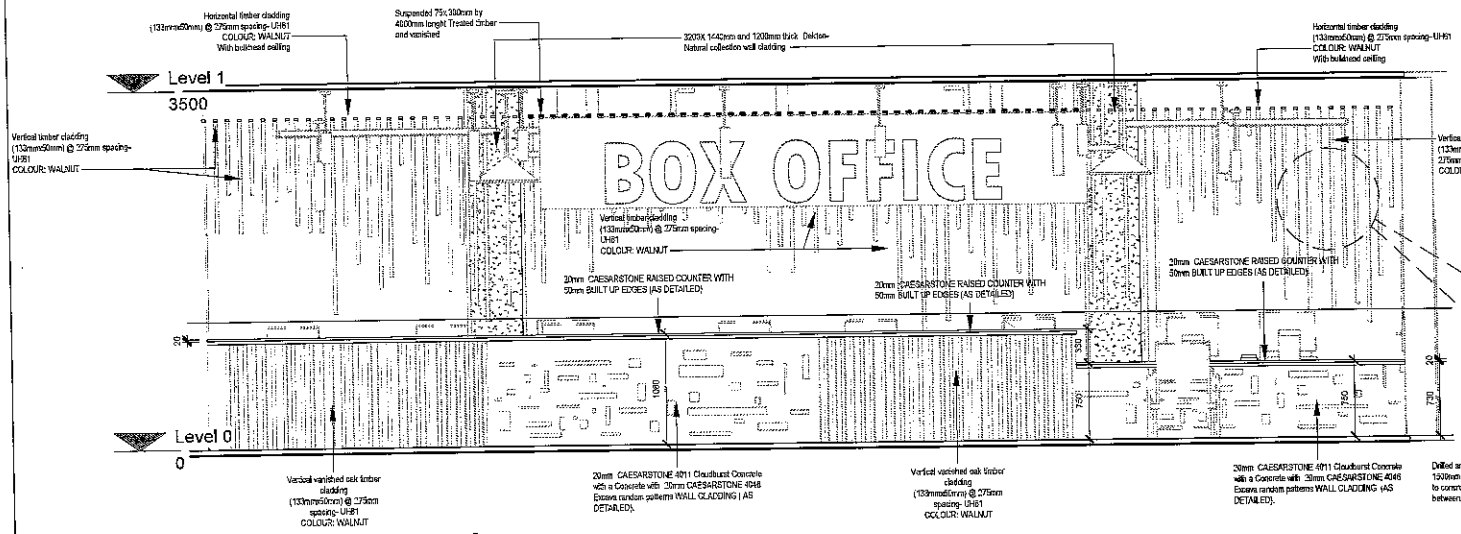
DATE
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TITLE
LIMPOPO PROVINCIAL THEATRE

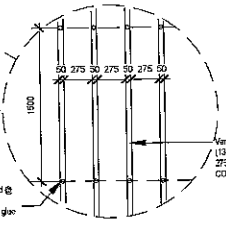
SHEET CONTENT
FENCING SPECIFICATION

DRAWN BY:	Author
CHECKED BY:	Checker
SCALE:	1 : 100
DRAWING NUMBER: ACR-PT-DWG- 419	REV: 30
WORK STAGE:	(STAGE 5A)

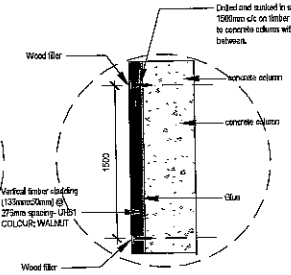
C1.2



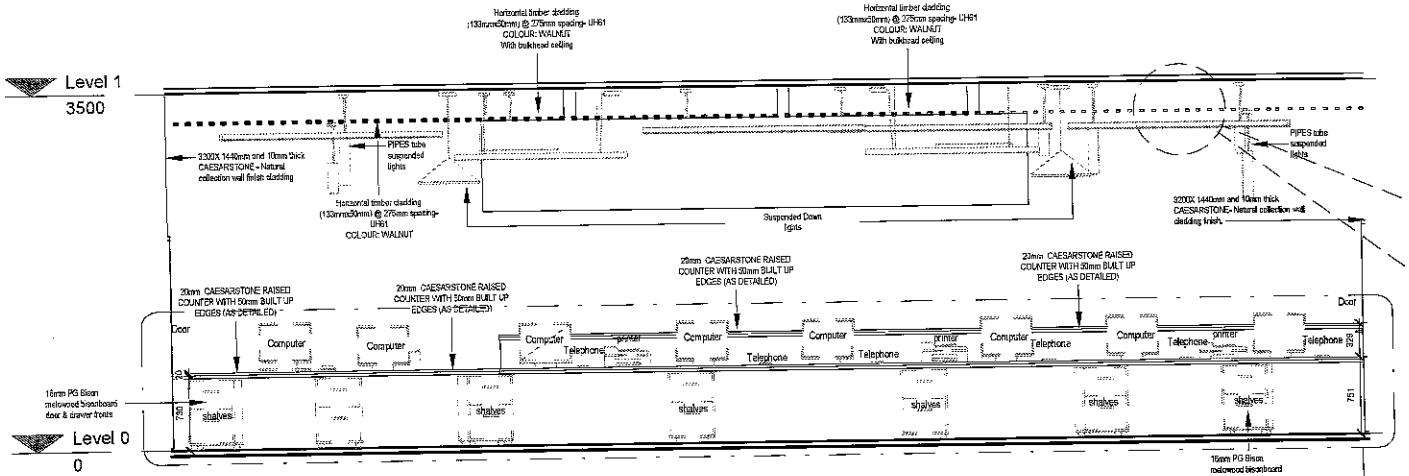
1 Elevation 1
1 : 50



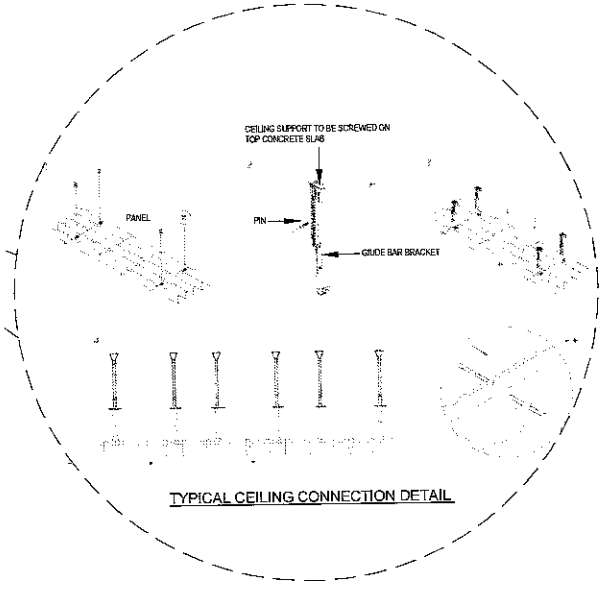
Typical DETAIL for Vertical timber cladding



Typical SECTION for Vertical timber cladding



2 Elevation 2
1 : 50



TYPICAL CEILING CONNECTION DETAIL

3
A104

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

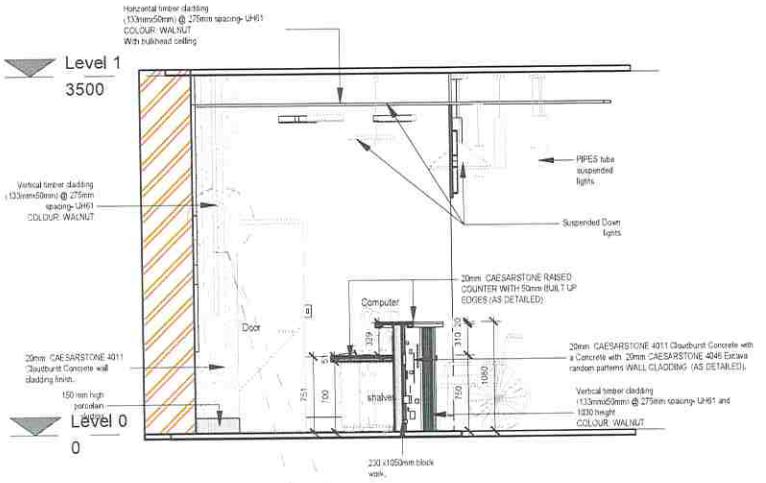
PROJECT:
NEW PROPOSED LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA.

TITLE:
BOX OFFICE ELEVATIONS

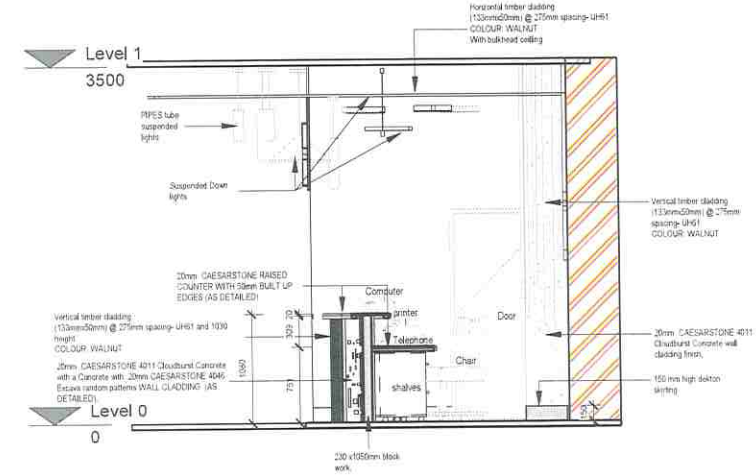
WORK STAGE: 04

USER CLIENT: LIMPOPO

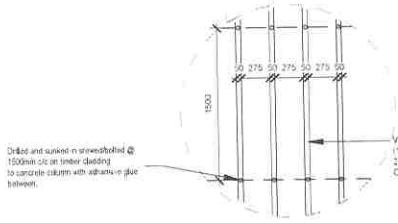
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Checked by TN	REFERENCE NUMBER : LDPWRI-10/1/1/R	00



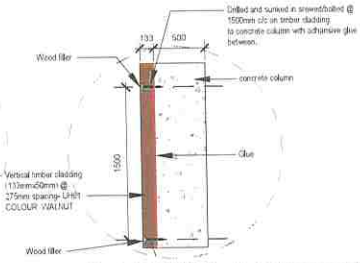
3 Elevation 3
1 : 50



4 Elevation 4
1 : 50



Typical **DETAIL** for Vertical timber cladding



Typical **SECTION** for Vertical timber cladding



Typical **EXAMPLE** for Vertical timber cladding example

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

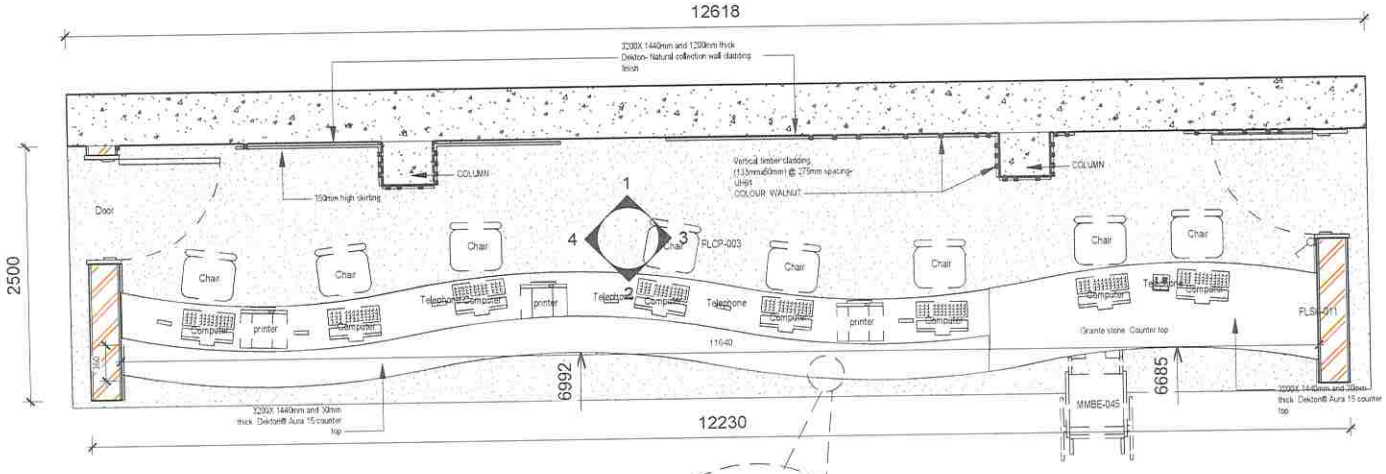
PROJECT:
NEW PROPOSED LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA.

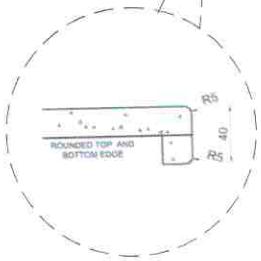
TITLE:
BOX OFFICE ELEVATIONS

WORK STAGE: 04

USER CLIENT: LIMPOPO

Date 17-06-2023	Project number LDPWRI-10/1/1/R	Scale (ON A3) 1:50
Drawn by NM	DRAWING NUMBER ACE-LPT-DWG-BO-02	REV 00
Checked by TN	REFERENCE NUMBER LDPWRI-10/1/1/R	





1 FLOOR PLAN

1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

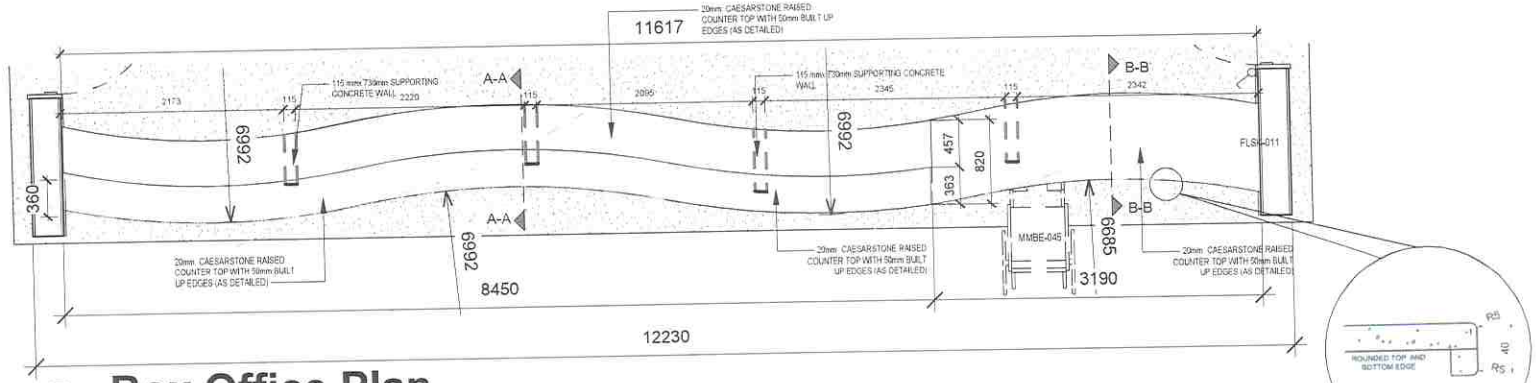
PROJECT: NEW PROPOSED LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA.

TITLE: BOX OFFICE L1-75 FLOOR PLAN

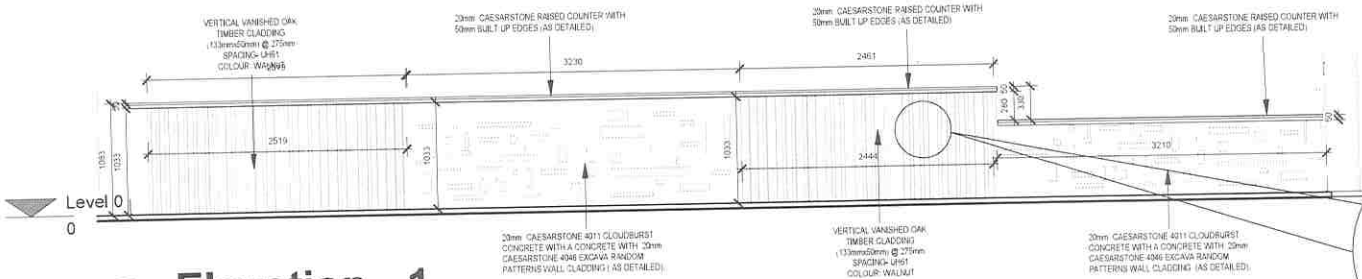
WORK STAGE: 04

USER CLIENT: LIMPOPO

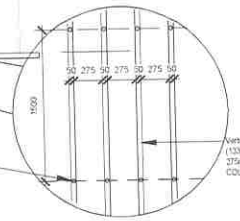
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Checked by TN	REFERENCE NUMBER LDPWRI-10/1/1/R	00



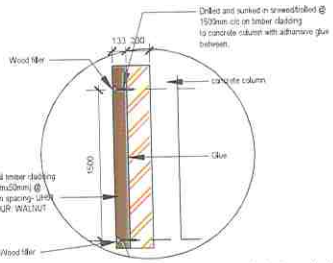
1 Box Office Plan
1 : 50



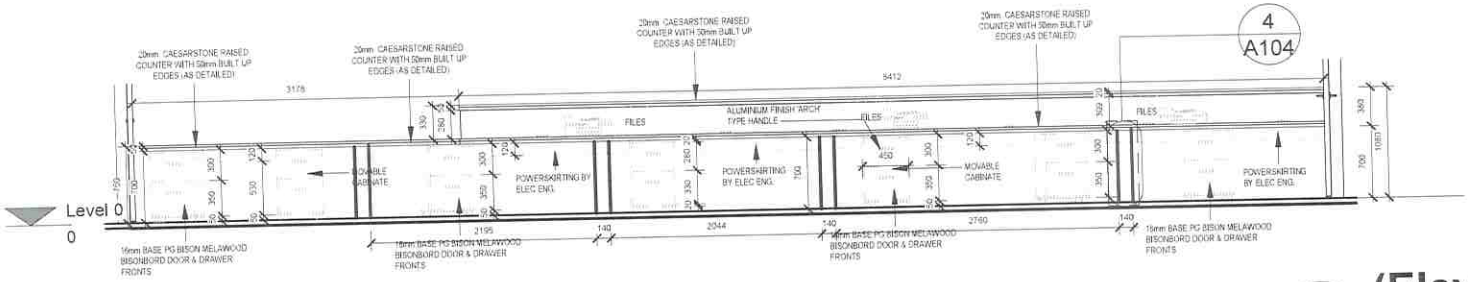
2 Elevation - 1
1 : 50



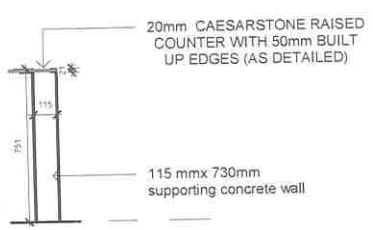
Typical DETAIL for Vertical timber cladding



Typical SECTION for Vertical timber cladding



3 Elevation - 2
1 : 50



4 (Elevation - 2) support Callout
1 : 25

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

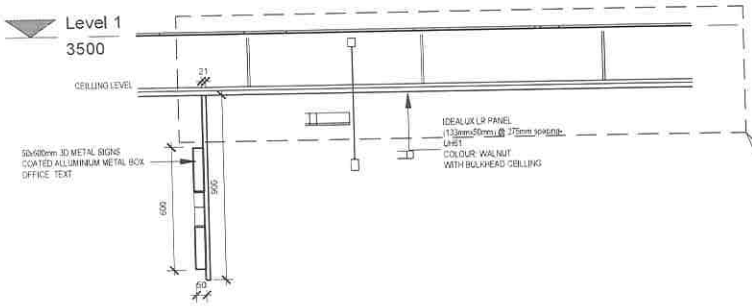
PROJECT: NEW PROPOSED LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA.

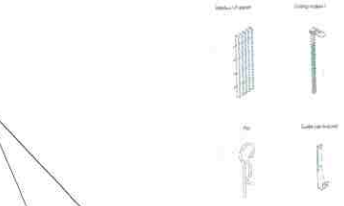
TITLE: BOX OFFICE JOINERY

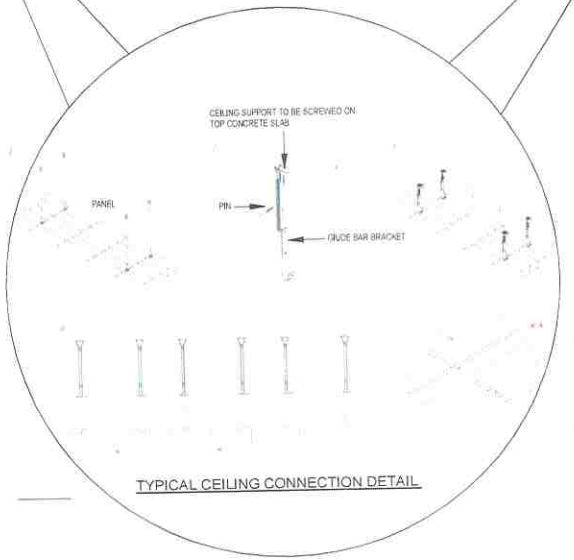
WORK STAGE: 04

USER CLIENT: LIMPOPO

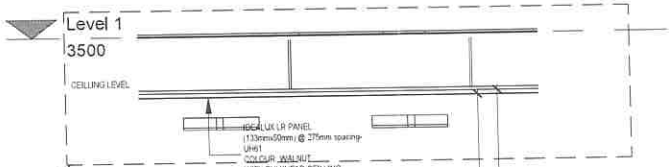
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Checked by TN	REFERENCE NUMBER: LDPWRI-10/1/1/R	00

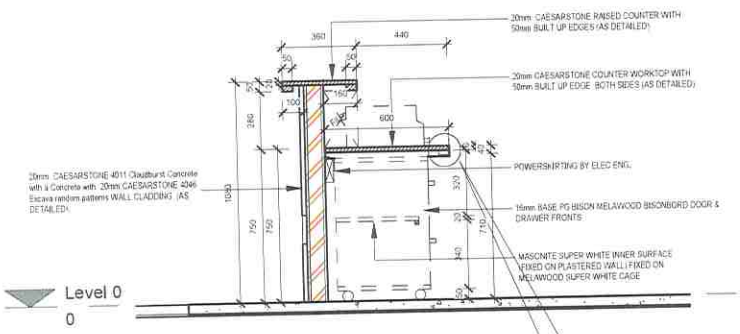




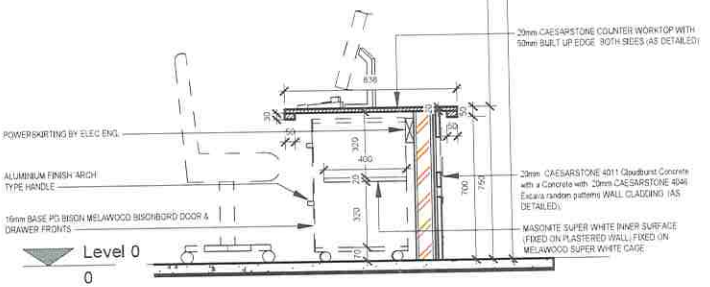


TYPICAL CEILING CONNECTION DETAIL

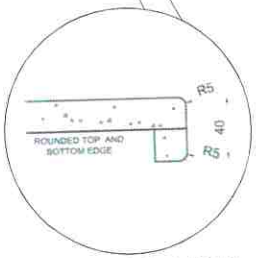




1 Typical Section A
1 : 25



2 Typical Section B
1 : 25



Counter top edgeTypical Detail .

REFER STANDARD JOINERY NOTES J800
FINISHES NOTES:
COUNTER TOP: CAESARSTONE 7141 WHITE STAR
CUPBOARD DOORS AND DRAWER FRONTS AND SIDE PANELS: VERZASKA OAK (VERTICAL GRAIN)
CARCASSE (INTERNAL: SUPER WHITE (PEEN FINISH)
OPEN SHELVES (INTERNAL & EXTERNAL): VERZASKA OAK (VERTICAL GRAIN)
CLINICAL SKIRTING: 150mm HIGH PORCELAIN SKIRTING

NOTES
DRAWER AND CUPBOARD WIDTHS ARE TO CALCULATED ON A 450mm MODULE
ALL DRAWERS ARE TO BE EQUAL IN SIZE
ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO MANUFACTURE
ALL BOARDS TO BE PG BISON MOISTURE RESISTANCE BISONBORD

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT, REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

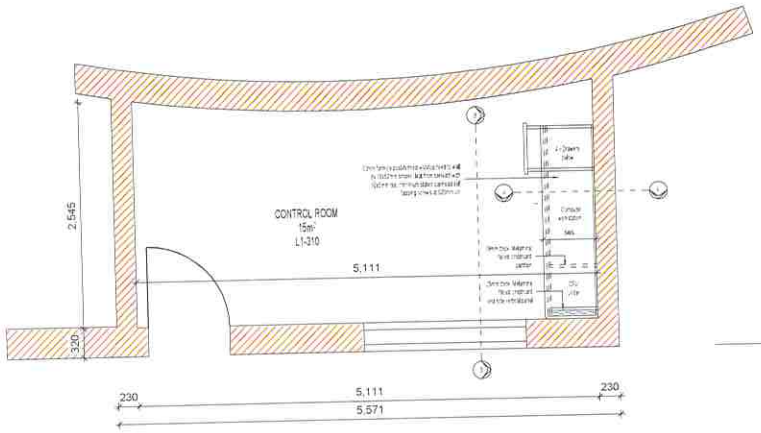
PROJECT:
NEW PROPOSED LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA

TITLE:
BOX OFFICE JOINERY

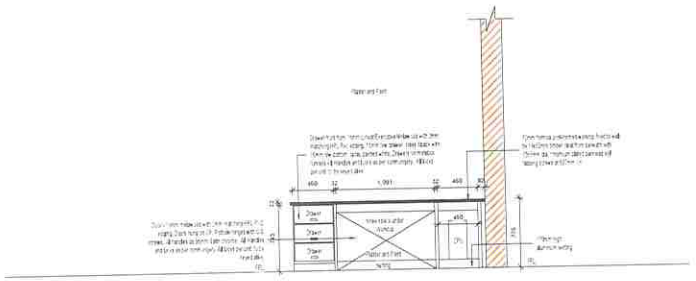
WORK STAGE: 04

USER CLIENT: LIMPOPO

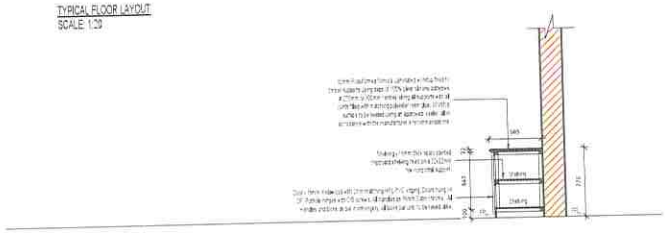
Date: 17-06-2023	Project number: LDPWRI-10/1/1/R	Scale (ON A3): 1:50
Drawn by: NM	DRAWING NUMBER: ACE-LPT-DWG-BO-JO 02	REV: 00
Checked by: TN	REFERENCE NUMBER: LDPWRI-10/1/1/R	



TYPICAL FLOOR LAYOUT
SCALE: 1:20



ELEVATION B-B
SCALE: 1:20



SECTION A-A
SCALE: 1:20

CONTROL ROOM L1-310: JOINERY DETAILS
SCALE: 1:20

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

No.	DESCRIPTION	DATE
01	-	10/05/2023
02	-	23/07/2023
03	-	23/08/2023
04	-	25/10/2023
05	-	23/11/2023
06	-	23/11/2023
07	-	23/11/2023
08	-	23/11/2023

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/1/1/R

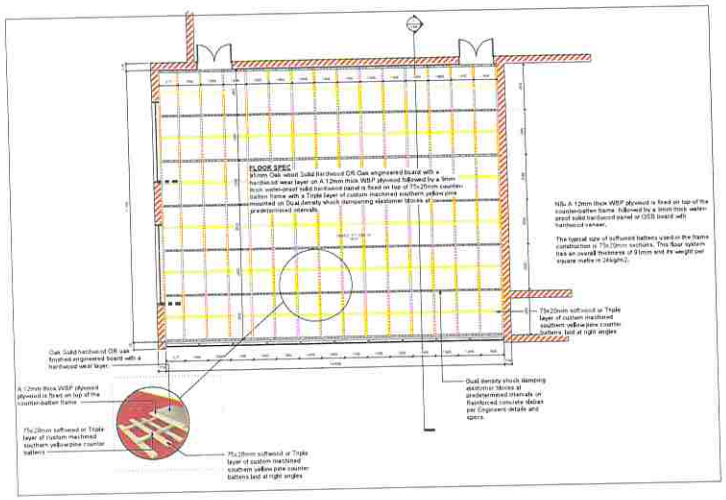
PROJECT NUMBER: TBA

DATE: 10/05/2023

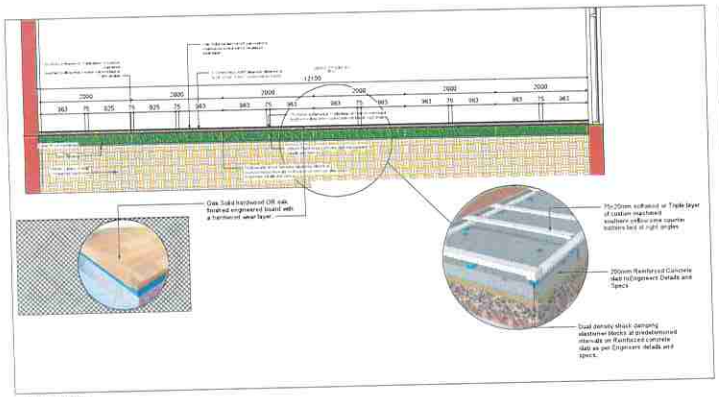
TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
CONTROL ROOM JOINERY DETAILS

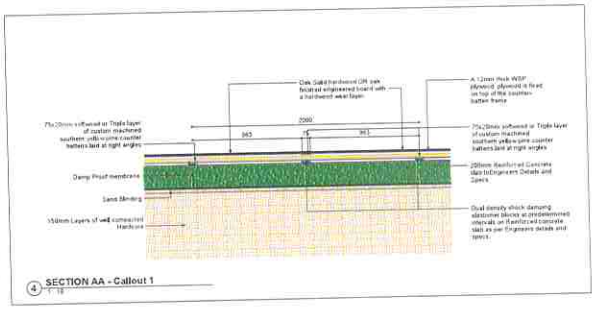
DRAWN BY	M.S
CHECKED BY	E.L
SCALE ON A0	1 : 20
DRAWING NUMBER: ACE-LPT-DWG-0402	REV: 04
WORK STAGE	(STAGE 04)



1 DANCE STUDIO 1
1 : 50



5 SECTION AA
1 : 25



4 SECTION AA - Callout 1
1 : 10

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

ACE Architects and Civil Engineers cc
CK 1999/109614/23
4 Kenmore ST Dresden Park
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PO Box 1498 Pietersburg, 0700
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Tel: 015 296 6147 Fax: 015 296 3611
Cell: 083 227 7281/ 083 307 8786
E-mail: architects@acecc.co.za

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	DESIGN	2023/06/12
01	FLOOR SKIRTING	2022/09/09

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 12-06-2023

TITLE:
PROPOSED LIMPOPO THEATRE

SHEET CONTENT
DANCE STUDIO 1 FLOOR FITOUT PLAN
SECTION AA ,SECTION AA CALLOUT 01

DRAWN BY: MM

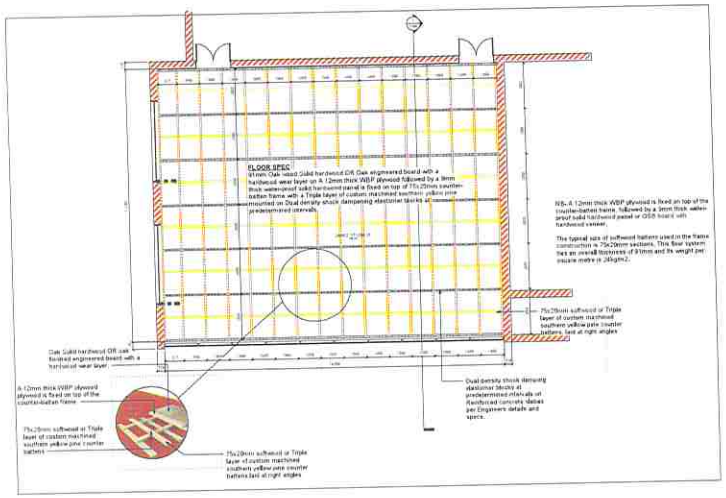
CHECKED BY: TN

SCALE: 1:50

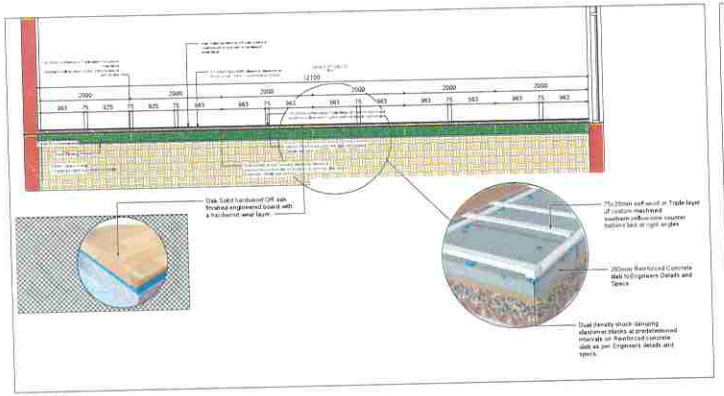
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REV: 00

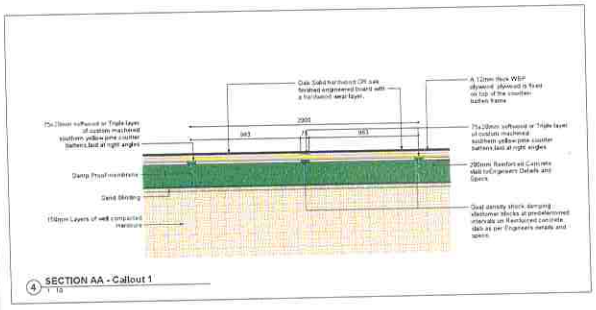
WORK STAGE: DESIGN DEVELOPMENT - (STAGE 03)



1 DANCE STUDIO 1
1 : 50



5 SECTION AA
1 : 25



4 SECTION AA - Callout 1
1 : 10

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

A&E Architects and Event Engineers cc

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	DESIGN	2023/06/12
01	FLOOR SKIRTING	2022/09/09

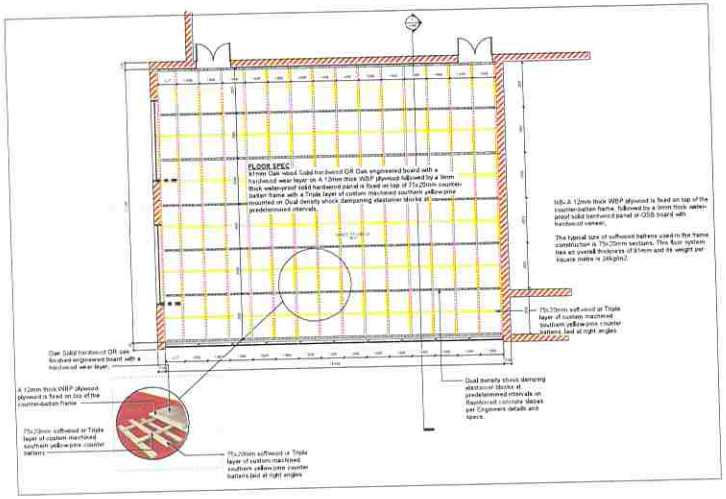
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER:	LDPWRI-10/1/1/R
REFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	12-06-2023

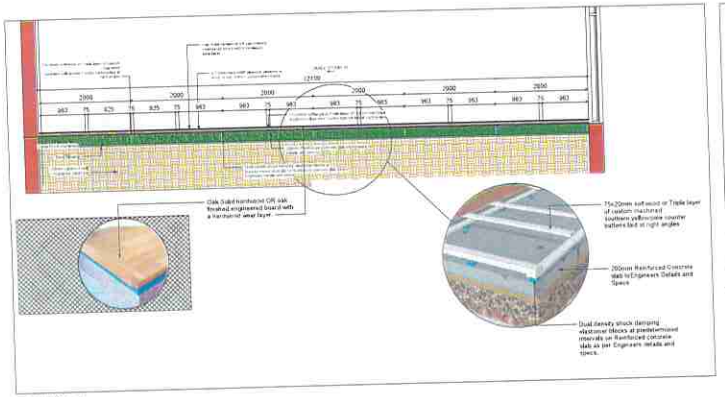
TITLE:
PROPOSED LIMPOPO THEATRE

SHEET CONTENT
DANCE STUDIO 1 FLOOR FITOUT PLAN, SECTION AA ,SECTION AA CALLOUT 01

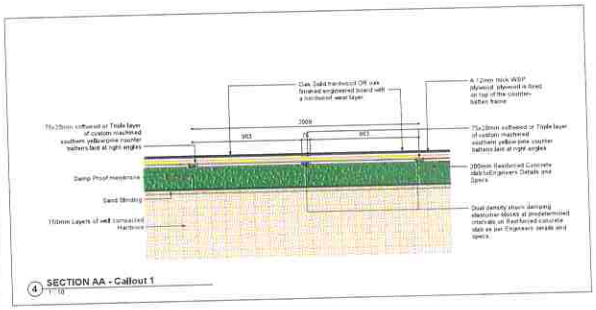
DRAWN BY:	MM
CHECKED BY:	TN
SCALE:	1:50
DRAWING NUMBER: ACE-LPT-DWG-DSFL-01	REV: 00
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)



1 DANCE STUDIO 1
1 : 50



5 SECTION AA
1 : 25



4 SECTION AA - Callout 1
1 : 10

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

ACE architects and Civil Engineers cc
CC 2000 / 17xxxx / 23
4 Lekkerrus CF Dawie Pyle
Bakenveld 0300
PO Box 1488 Phone Park 0741
VAT 4720257518
Tel 015 795 0747 Fax 086 241 3611
Cell 082 377 7584 / 083 307 2786
E-Mail: architects.ace@telkomsa.net

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	DESIGN	2023/06/12
01	FLOOR SKIRTING	2022/09/09

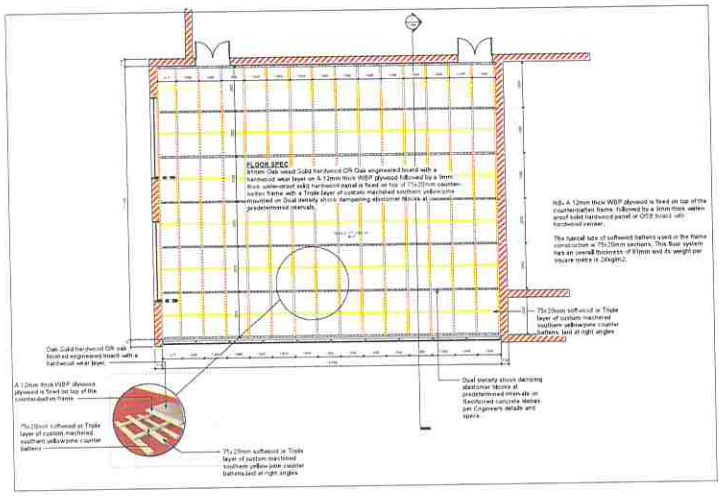
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER:	LDPWRI-10/1/1/R
REFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	12-06-2023

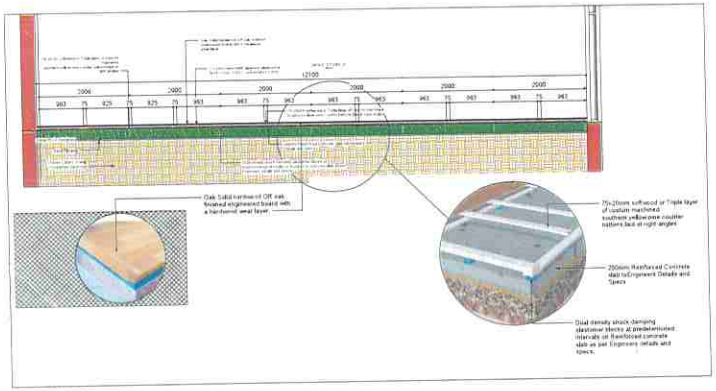
TITLE:
PROPOSED LIMPOPO THEATRE

SHEET CONTENT:
DANCE STUDIO 1 FLOOR FITOUT PLAN, SECTION AA ,SECTION AA CALLOUT 01

DRAWN BY:	MM
CHECKED BY:	TN
SCALE:	1:50
DRAWING NUMBER: ACE-LPT-DWG-DSFL-01	REV 00
WORK STAGE:	DESIGN DEVELOPMENT - (STAGE 03)



1 DANCE STUDIO 1
1 : 50



5 SECTION AA
1 : 50



4 SECTION AA - Callout 1
1 : 10

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

dtc Architects and Civil Engineers cc

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	DESIGN	2023/06/12
01	FLOOR SKIRTING	2022/09/09

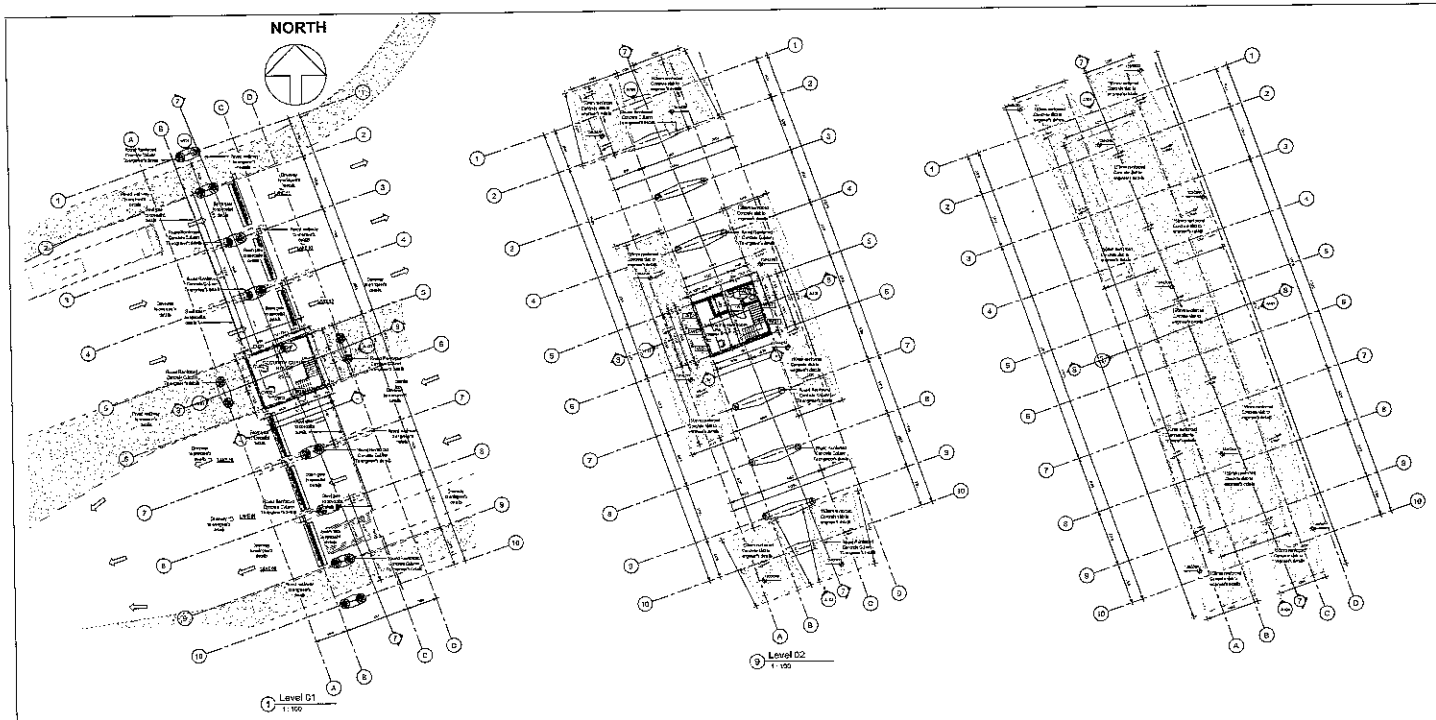
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER:	LDPWRI-10/1/1/R
REFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	12-06-2023

TITLE:
PROPOSED LIMPOPO THEATRE

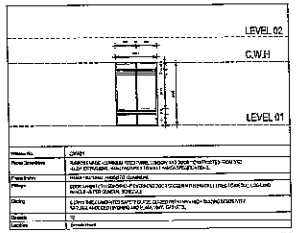
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DANCE STUDIO 1 FLOOR FITOUT PLAN, SECTION AA ,SECTION AA CALLOUT 01

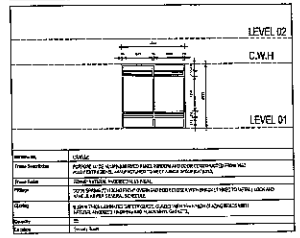
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CHECKED BY:	TN
SCALE:	1:50
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WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)

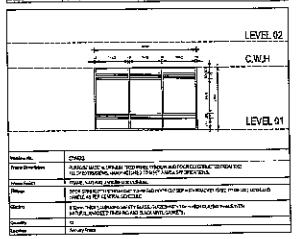


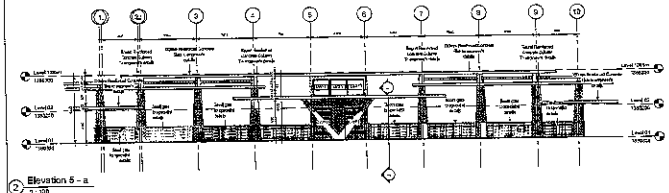
1 Level 01
1 : 100

9 Level 02
1 : 100

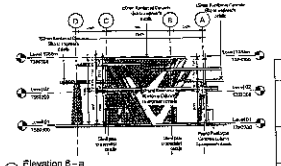




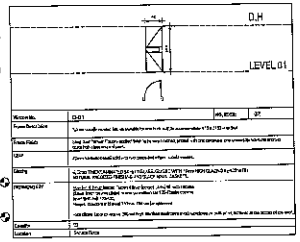


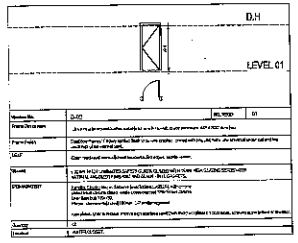


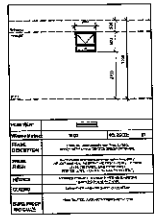
2 Elevation 5 – a
1 : 100

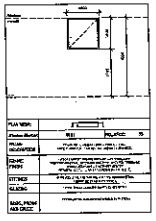


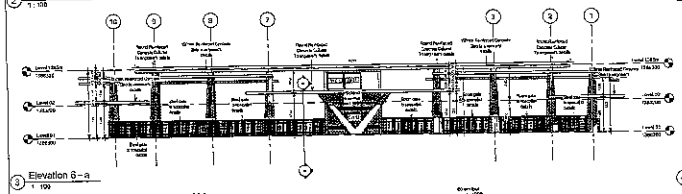
5 Elevation 6 – a
1 : 100



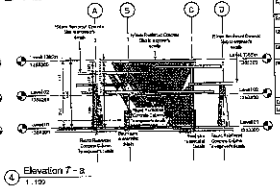






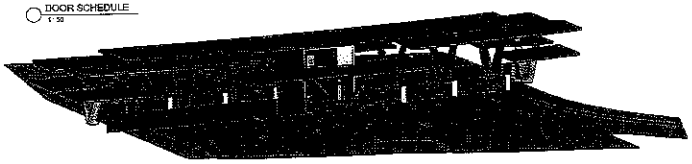


3 Elevation 8 – a
1 : 100



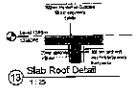
4 Elevation 7 – a
1 : 100

DOOR SCHEDULE
1 : 50

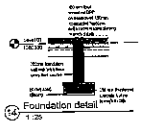




12 Slab Detail
1 : 25



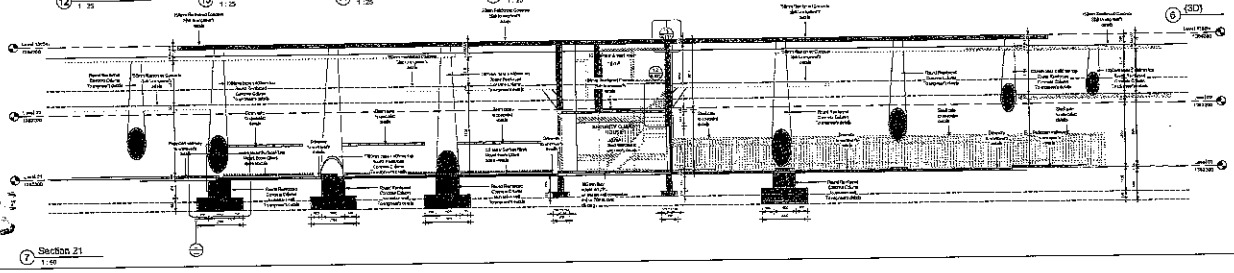
13 Slab Roof Detail
1 : 25



14 Foundation detail
1 : 25

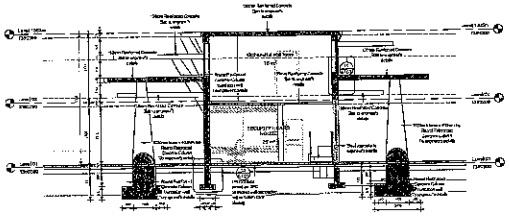


15 Slab Detail 02
1 : 25



7 Section 21
1 : 50

6 (3D)



8 Section 22
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

Department of
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	FIRST ISSUE	31-08-2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: ACE-LT-21-

RTEFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 17-06-2023

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: SECURITY GUARD HOUSE

DRAWN BY: A.M

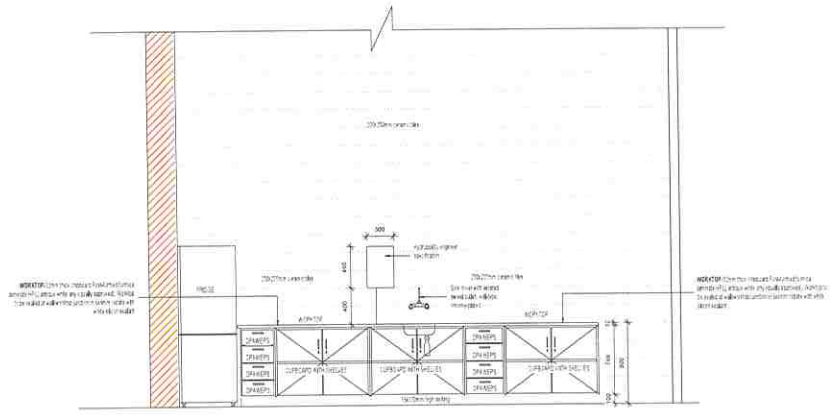
CHECKED BY: T.N

SCALE: As Shown

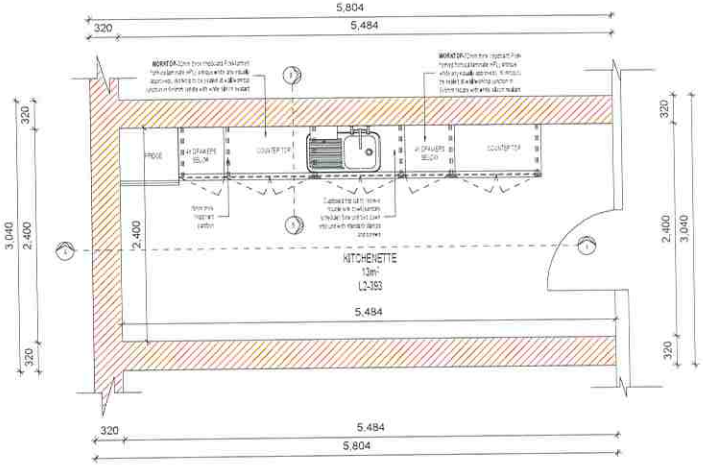
DRAWING NUMBER: ACE-LPT-DWG-600

REV: 00

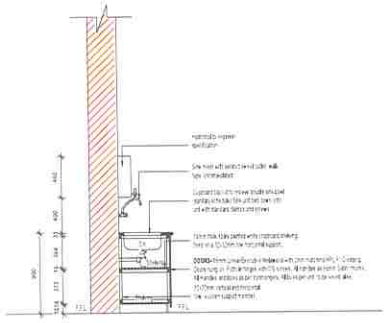
WORK STAGE: DESIGN DEVELOPMENT (WORK STAGE 4)



TYPICAL SECTION A-A
SCALE 1:20



TYPICAL FLOOR LAYOUT
SCALE 1:20



TYPICAL SECTION B-B
SCALE 1:20

KITCHENETTE L2-393 - JOINERY DETAILS
SCALE 1:20

ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

ISSUE	REVISION No.	DESCRIPTION	DATE
01	-	3D IMAGES	2023/07/31
02	-	FINANCIAL PROPOSAL	2023/08/30
03	-	APPROVED REVISED 3D IMAGES (SUBJECT TO CHANGE)	2023/09/13
04	-	REVISED 3D IMAGES	2023/09/27
05	-	REVISED 3D IMAGES	2023/10/18
06	-	ROOF PLAN AND ELEVATIONS	2023/10/24
07	-	GENERAL REVISIONS	2023/11/17

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER
LDPWRI-10/11/IN

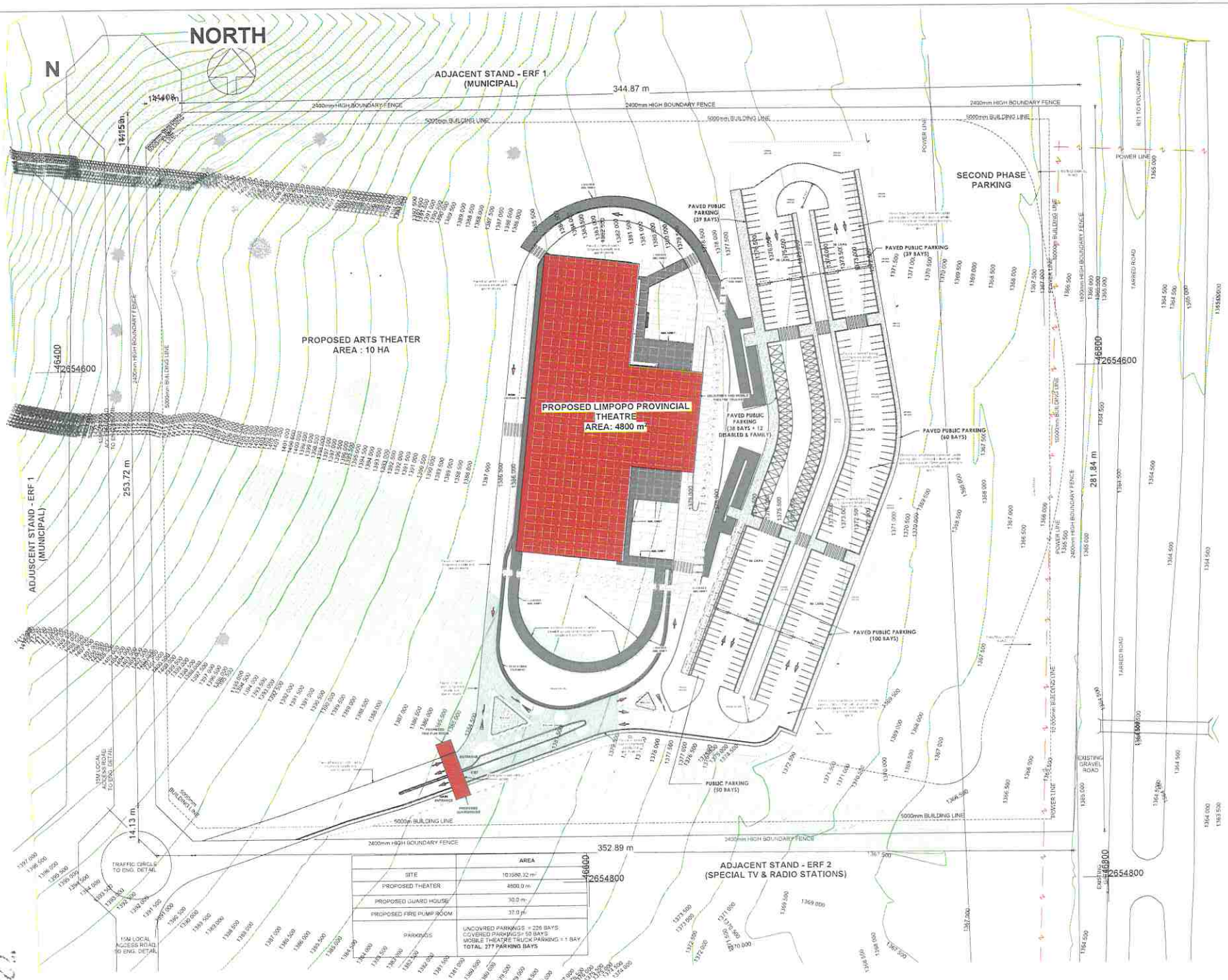
PROJECT NUMBER
TBA

DATE
16/06/2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
KETCHENETTE JOINERY DETAILS

DRAWN BY	M.S
CHECKED BY	E.L
SCALE ON A0	1 : 20
DRAWING NUMBER	REV
ACE-LPT-DWG-401	04
WORK STAGE	(STAGE 04)



	AREA
SITE	103580.32 m²
PROPOSED THEATER	4800.0 m²
PROPOSED GUARD HOUSE	30.0 m²
PROPOSED FIRE PUMP ROOM	37.0 m²
PARKINGS	UNCOVERED PARKINGS = 226 BAYS COVERED PARKINGS= 50 BAYS MOBILE THEATRE TRUCK PARKING = 1 BAY TOTAL: 277 PARKING BAYS

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

dkl Architects and Civil Engineers cc

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
01	1ST ISSUE	15/06/23
02	CONSTRUCTION DRAWINGS	30/08/23
03	REVISED	15/09/23
04	LAYOUT AMENDMENTS	15/09/23

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: ACE-LT-21-

RTEFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 15-06 -2023

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: SITE PLAN

DRAWN BY: A.M

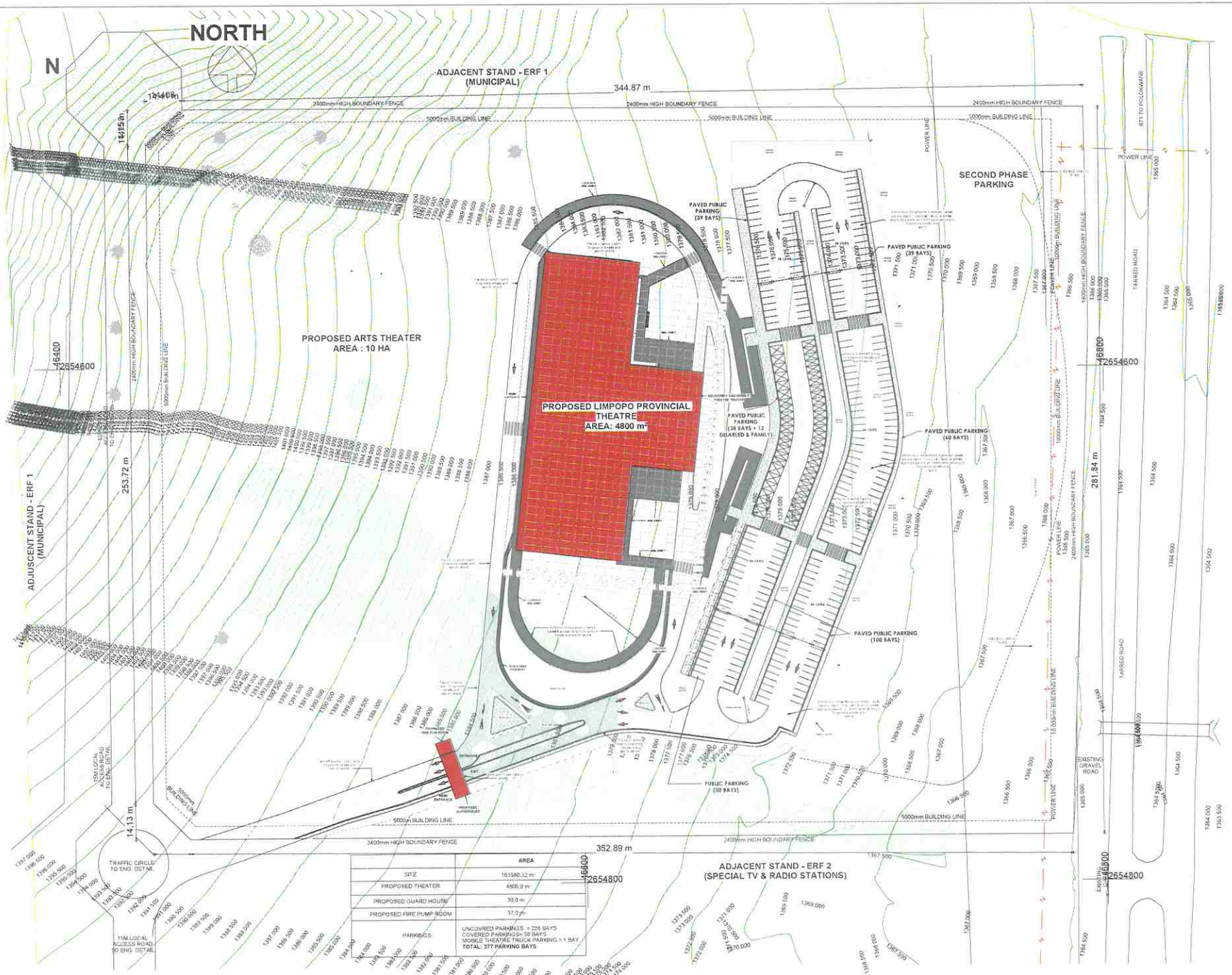
CHECKED BY: T.N

SCALE: 1/500

DRAWING NUMBER: ACE-LPT-DWG-101

REV: 03

WORK STAGE: DESIGN DEVELOPMENT (WORK STAGE 4)



-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: ACE-LT-21-

RTEFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 15-06 -2023

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: SITE PLAN

DRAWN BY: A.M

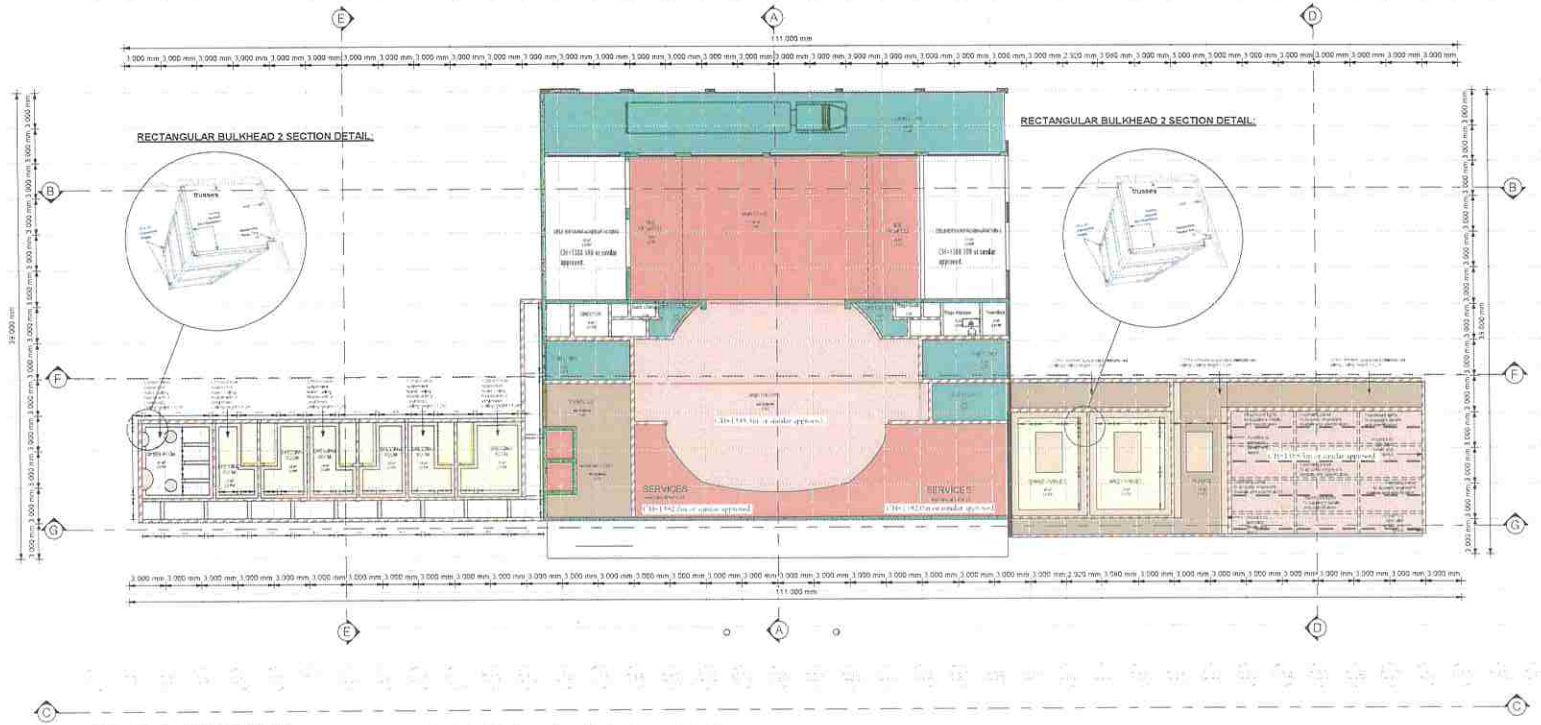
CHECKED BY: T.N

SCALE: 1/500

DRAWING NUMBER: ACE-LPT-DWG-101

REV: 03

WORK STAGE: DESIGN DEVELOPMENT (WORK STAGE 4)



LEVEL 1381.5m CEILING LAYOUT
SCALE 1: 100

See attached drawings and specifications for your information.
Carpet Specification 1 (Auditorium): BILL OF QUANTITIES: · Belgotex BALTIMORE 4m broadloom is manufactured from Stainproof SDX & Stainproof Eco SDX Blend (Solution Dyed Nylon). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex recommends the use of carpet protector mats where castor wheels are used.

Carpet Specification 2 (All Offices):Belgotex Accelerate 50x50cm tiles are manufactured from Stainproof SDX (Solution Dyed nylon-6 for extreme conditions). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex Accelerate 50x50cm & 100x100cm tiles to be installed in the following directions: Tessellated, Ashlar, Random Ashlar, Brick, Monolithic, Colour Mix & Random. · Belgotex recommends the use of Carpet protector mats where castor wheels are used. · Green Tag A level plus certification · 15 Yr. Warranty & 5 Yr. Guarantee · Made in South Africa

LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (80% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0.90, CAC - 30dB, Fire classification A2-s1, d0, weight - 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct 53 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

DATE	DESCRIPTION	REV
01		
02		
03		
04		

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SEKHONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/11/18

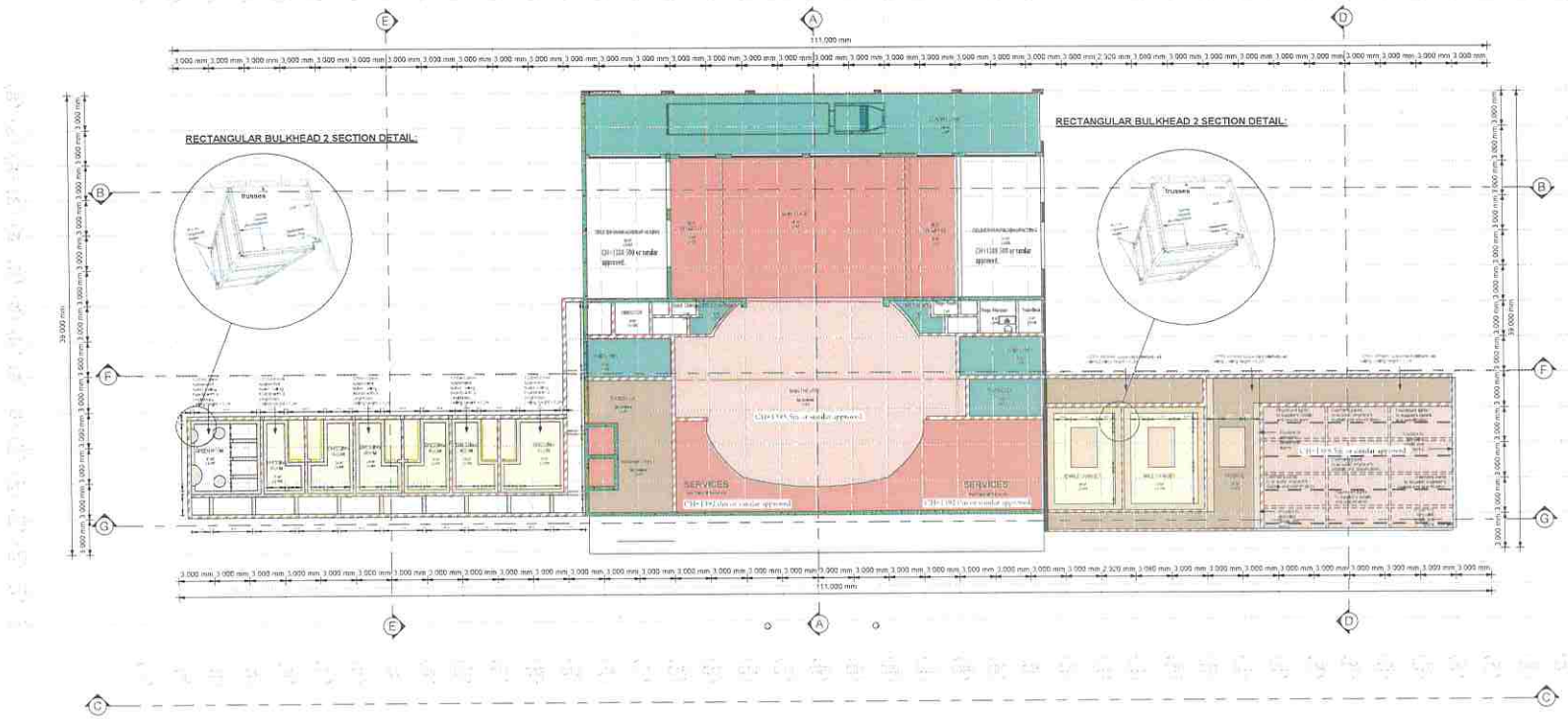
PROJECT NUMBER: TBA

DATE: 26/05/2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: LEVEL 1381.5m CEILING PLAN

DRAWN BY:	N.S
CHECKED BY:	T.N
SCALE ON A0:	1:100
DRAWING NUMBER: ACE-LPT-DWG-121	REV: 03
WORK STAGE:	(STAGE 04)



LEVEL 1381.5m CEILING LAYOUT
SCALE 1: 100

See attached drawings and specifications for your information.
Carpet Specification 1 (Auditorium): BILL OF QUANTITIES: · Belgotex BALTIMORE 4m broadloom is manufactured from Stainproof SDX & Stainproof Eco SDX Blend (Solution Dyed Nylon). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex recommends the use of carpet protector mats where castor wheels are used.

Carpet Specification 2 (All Offices):Belgotex Accelerate 50x50cm tiles are manufactured from Stainproof SDX (Solution Dyed nylon-6 for extreme conditions). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex Accelerate 50x50cm & 100x100cm tiles to be installed in the following directions: Tessellated, Ashlar, Random Ashlar, Brick, Monolithic, Colour Mix & Random. · Belgotex recommends the use of Carpet protector mats where castor wheels are used. · Green Tag A level plus certification · 15 Yr. Warranty & 5 Yr. Guarantee · Made in South Africa

LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC = 0,90, CAC = 30dB, Fire classification A2-s1, d0, weight = 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct 53 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres, Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres, Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

No.	REVISIONS	DATE
01	- TENDER	01.06.23
02	- TENDER ADDENDUM NO 1 (CEILING PLAN)	07.06.23
03	- TENDER ADDENDUM NO 2 (CEILING PLAN)	21.06.23
04	- TENDER ADDENDUM NO 3 (CEILING PLAN)	26.06.23

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER
LDPWRS-10/11/19

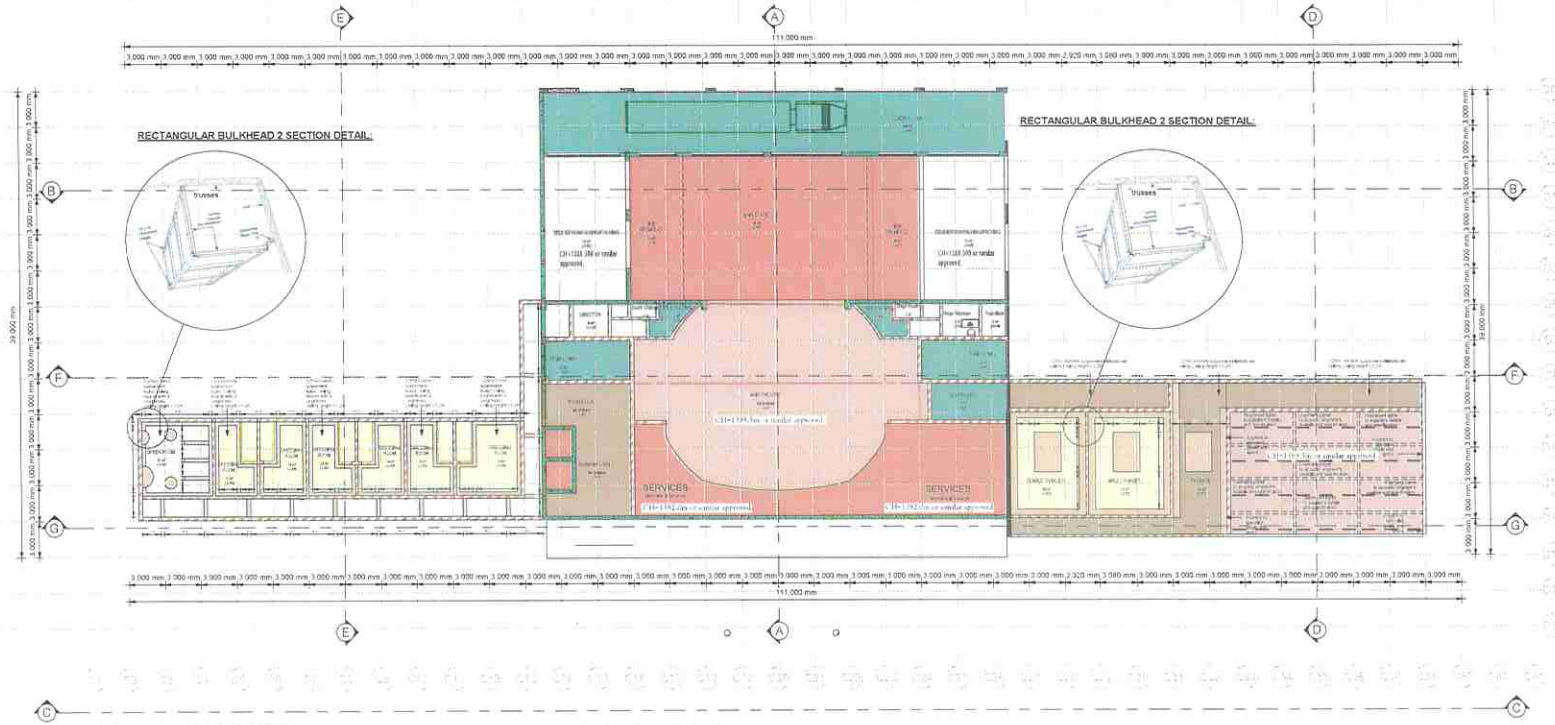
PROJECT NUMBER
TBA

DATE 26/05/2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
LEVEL 1381.5m CEILING PLAN

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER	REV
ACS-LPT-DWG-1317	03
WORK STAGE	(STAGE 04)



LEVEL 1381.5m CEILING LAYOUT
SCALE 1: 100

See attached drawings and specifications for your information.
Carpet Specification 1 (Auditorium): BILL OF QUANTITIES: · Belgotex BALTIMORE 4m broadloom is manufactured from Stainproof SDX & Stainproof Eco SDX Blend (Solution Dyed Nylon). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex recommends the use of carpet protector mats where castor wheels are used.

Carpet Specification 2 (All Offices):Belgotex Accelerate 50x50cm tiles are manufactured from Stainproof SDX (Solution Dyed nylon-6 for extreme conditions). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex Accelerate 50x50cm & 100x100cm tiles to be installed in the following directions: Tessellated, Ashlar, Random Ashlar, Brick, Monolithic, Colour Mix & Random. · Belgotex recommends the use of Carpet protector mats where castor wheels are used. · Green Tag A level plus certification · 15 Yr. Warranty & 5 Yr. Guarantee · Made in South Africa

LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0.90, CAC - 30dB, Fire classification A2-s1, d0, weight - 3,5 kg/m², size 1200 x 600 x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct 58 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECT'S ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT
dhl. Architects and Retail Engineers cc

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

REV	DESCRIPTION	DATE
A	1	11/04/23
B		21/04/23
C		10/05/23
D		11/05/23

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWR-19/1/1R

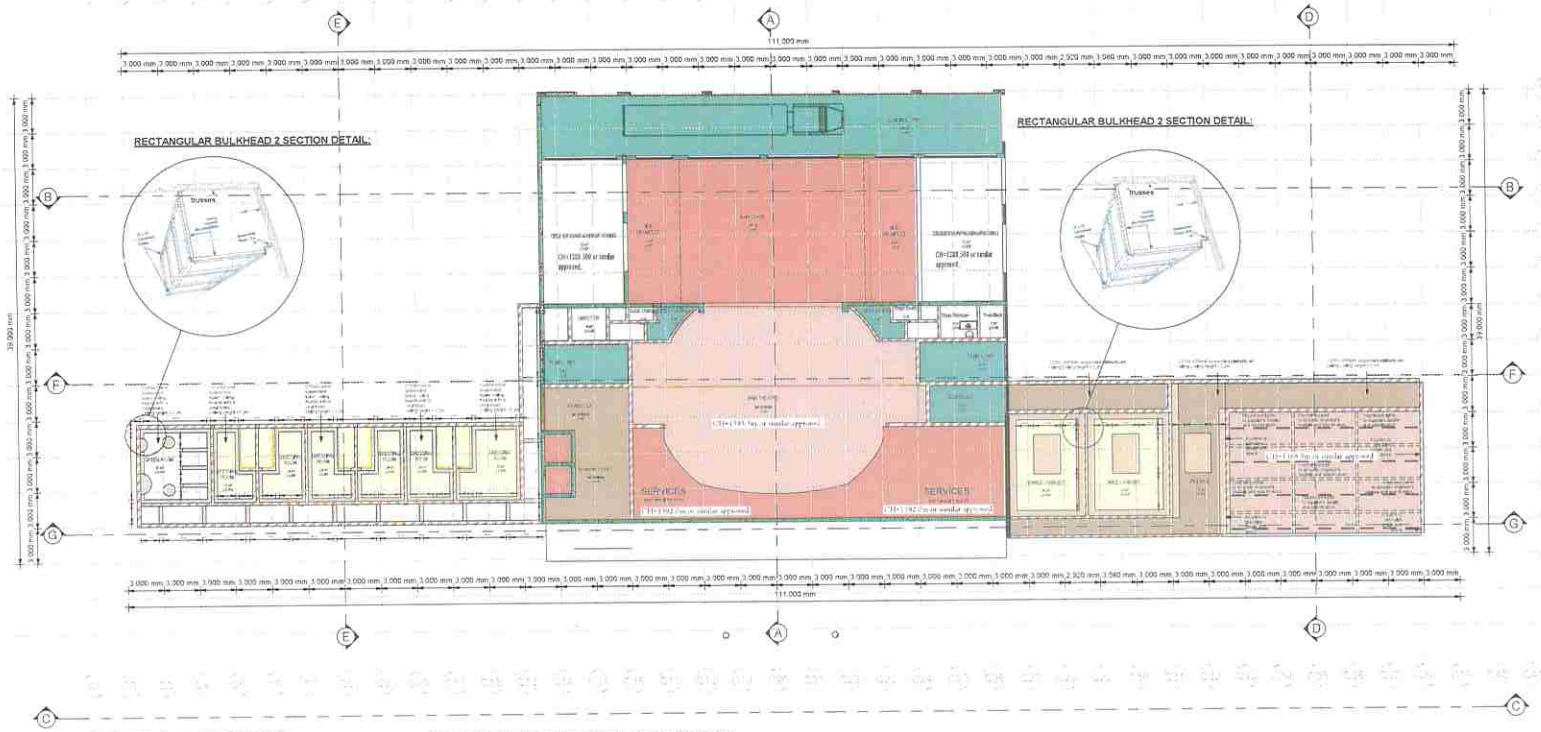
PROJECT NUMBER: TBA

DATE: 26/05/2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: LEVEL 1381.5m CEILING PLAN

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER: ACE+PT-DWG-19/1	REV: 03
WORK STAGE	(STAGE 04)



LEVEL 1381.5m CEILING LAYOUT
SCALE 1: 100

See attached drawings and specifications for your information.
Carpet Specification 1 (Auditorium): BILL OF QUANTITIES: · Belgotex BALTIMORE 4m broadloom is manufactured from Stainproof SDX & Stainproof Eco SDX Blend (Solution Dyed Nylon). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex recommends the use of carpet protector mats where castor wheels are used.

Carpet Specification 2 (All Offices):Belgotex Accelerate 50x50cm tiles are manufactured from Stainproof SDX (Solution Dyed nylon-6 for extreme conditions). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex Accelerate 50x50cm & 100x100cm tiles to be installed in the following directions: Tessellated, Ashlar, Random Ashlar, Brick, Monolithic, Colour Mix & Random. · Belgotex recommends the use of Carpet protector mats where castor wheels are used. · Green Tag A level plus certification · 15 Yr. Warranty & 5 Yr. Guarantee · Made in South Africa

LEGEND

1.	- General areas- 1200X 600mm suspended plasterboad ceiling.
2.	- setting out point
3.	-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.	- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.	OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0,90, CAC - 30dB, Fire classification A2-s1 ,d0, weight - 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.	- suspended wooden panels mounted on metal suspension rail with clips.
7.	- Painted concrete on underside of stair.
8.	-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,5mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,5mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

NO.	DESCRIPTION	DATE
01	1	2023/05/26
02		2023/06/19
03		2023/06/30
04		2023/07/17

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRS-10/11/R

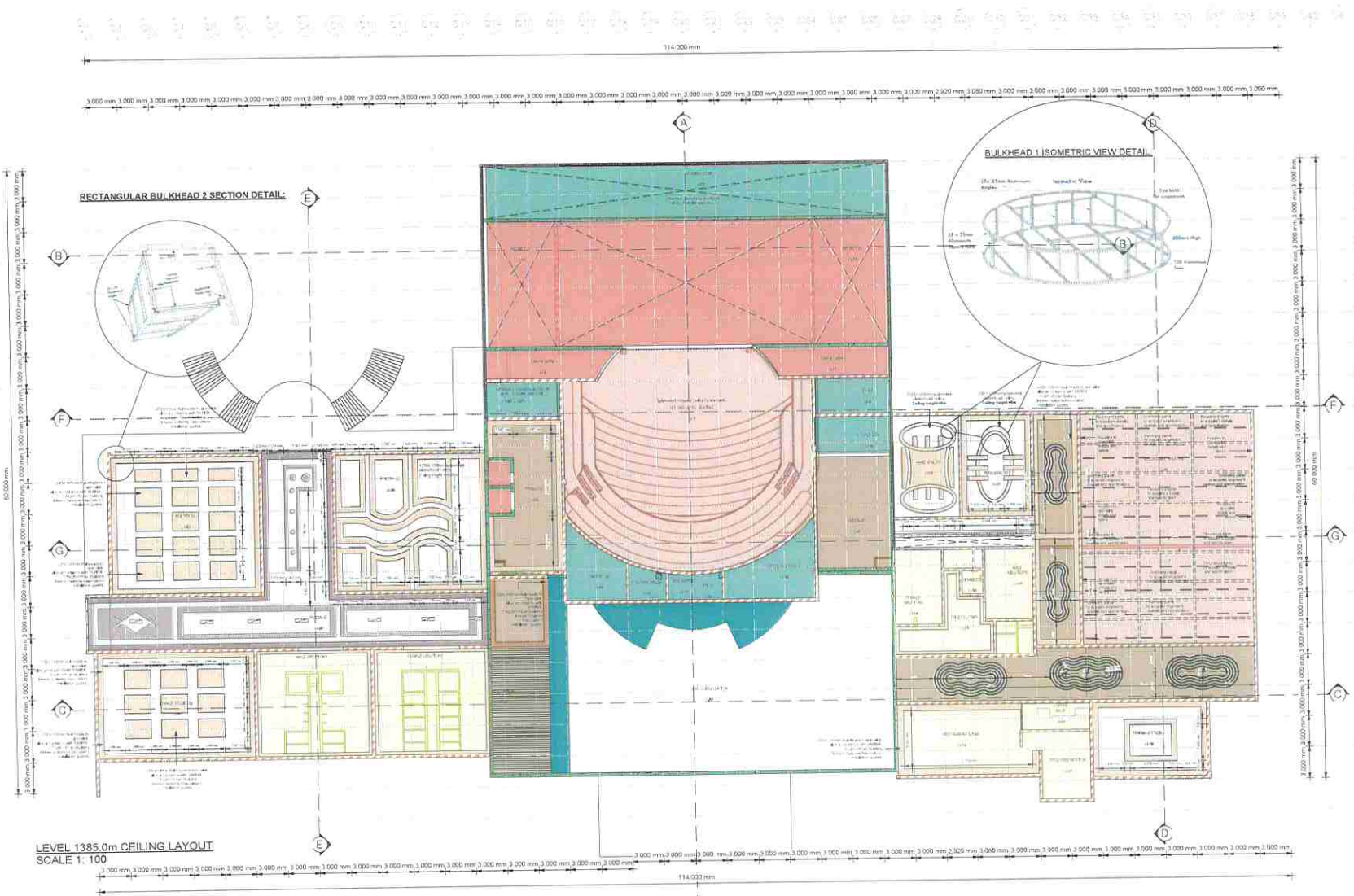
PROJECT NUMBER: TBA

DATE: 26/05/2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: LEVEL 1381.5m CEILING PLAN

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER: ACE-LPT-DWG-121	REV: 01
WORK STAGE	(STAGE 04)



LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles. NRC = 0.90, GAC - 15dB, Fire classification A2-s1, d0, weight - 3.5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct 53 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

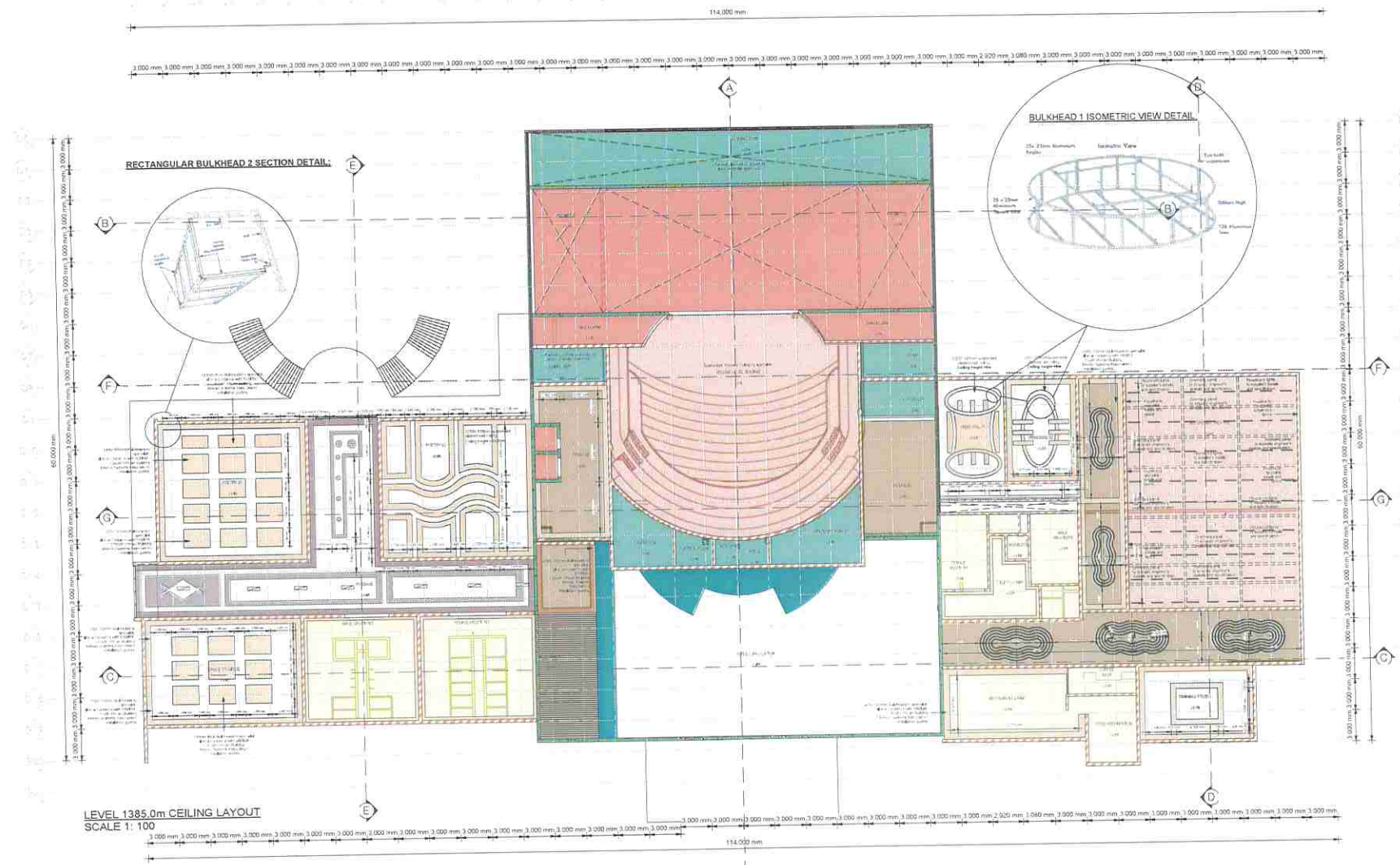
BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.



LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0.90, CAC - 30dB, Fire classification A2-s1, d0, weight - 3.5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct 93 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

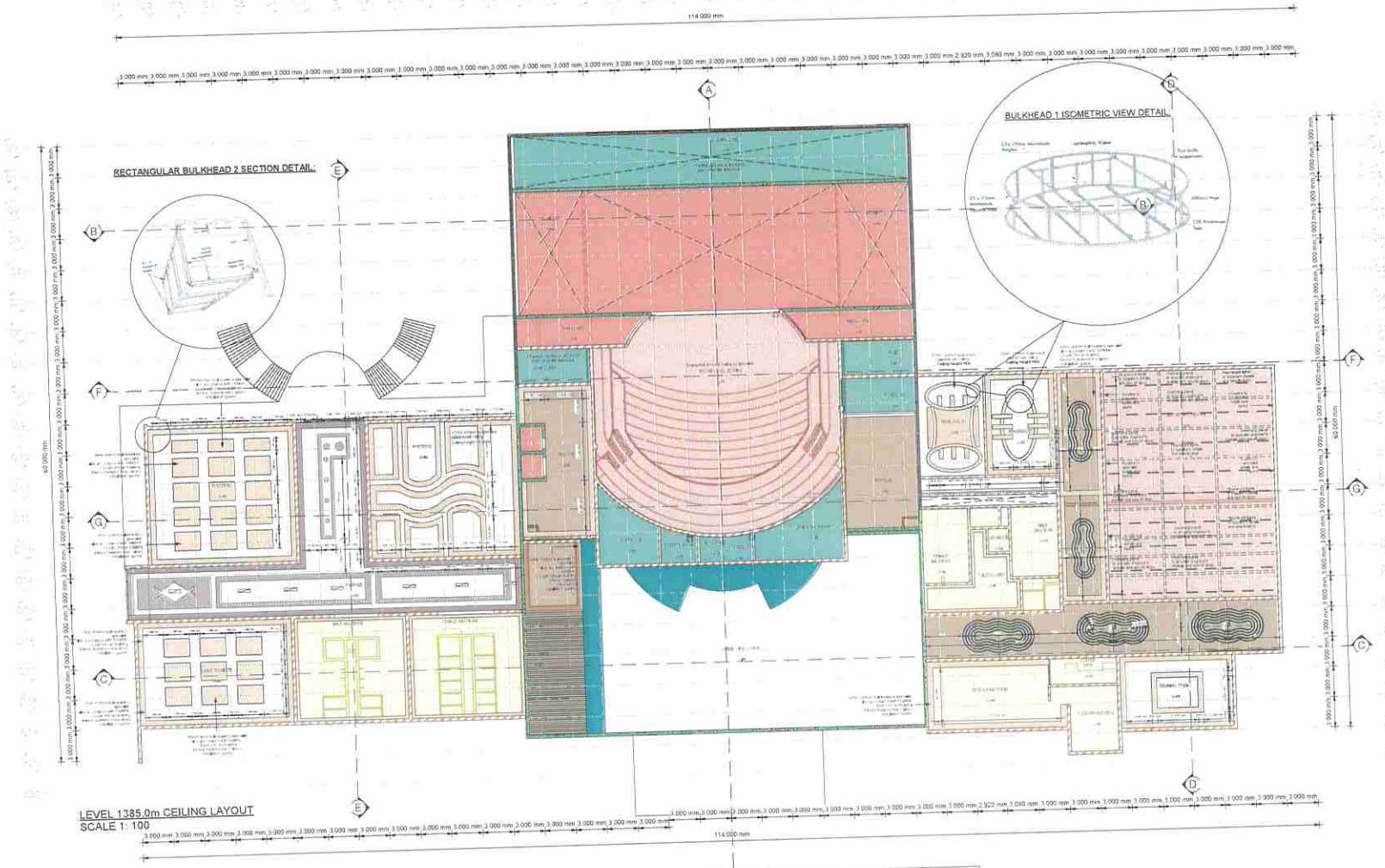
BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees. 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees. Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.



LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides,
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0,90, CAC - 30dB, Fire classification A2-s1, d0, weight - 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on OWAconstruct 93 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,5mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

NO.	REVISION	DATE
A	-	-
B	-	-
C	-	-
D	-	-

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER: LDPWRT-101/18

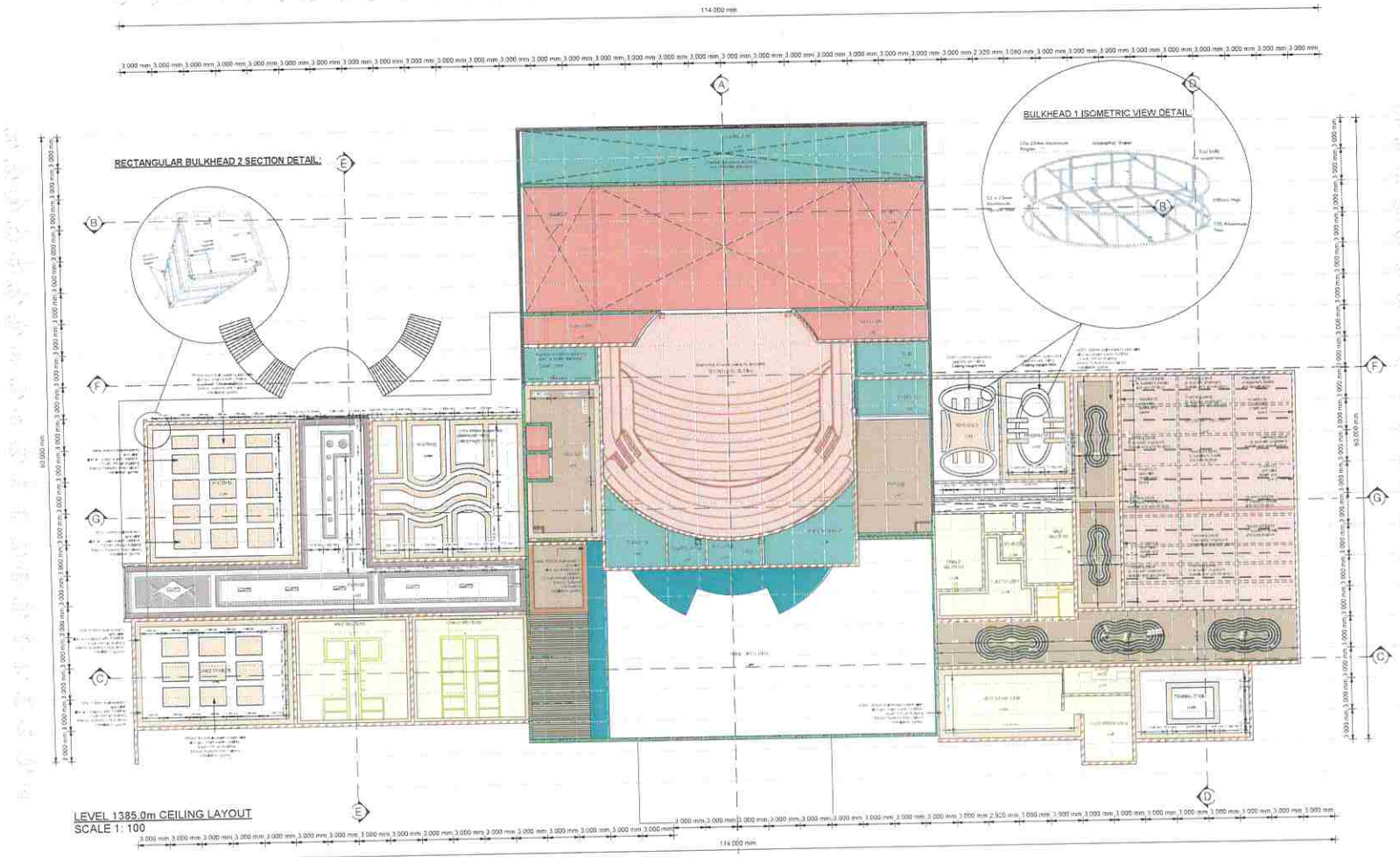
PROJECT NUMBER: TBA

DATE: 29-05/2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: LEVEL 1385.0 CEILING LAYOUT

DRAWN BY	NS
CHECKED BY	TN
SCALE ON A0	1:100
DRAWING NUMBER	ACE-LPT-DWG-122
REV.	03
WORK STAGE	(STAGE 04)



LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0.90, CAC - 30dB, Fire classification A2-s1, d0, weight - 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-rim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or settingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees. Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

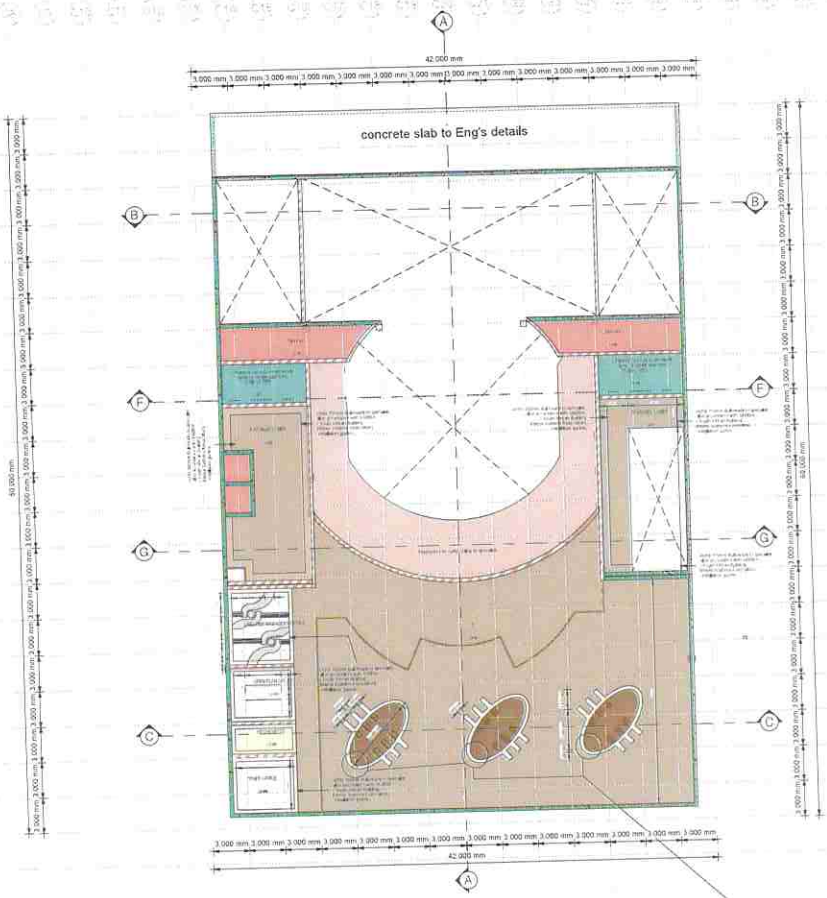
CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

NO.	DESCRIPTION	DATE

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE (CAPRICORN) DISTRICT MUNICIPALITY

REFERENCE NUMBER	LDPWRI-10/11/18
PROJECT NUMBER	TBA
DATE	29/05/2023
TITLE	LIMPOPO PROVINCIAL THEATRE
SHEET CONTENT	LEVEL 1385.0 CEILING LAYOUT
DRAWN BY	NS
CHECKED BY	TN
SCALE ON A0	1:100
DRAWING NUMBER	ACE-LPT-DWG-122
REV	03
WORK STAGE	(STAGE 04)



LEVEL 1388.5m CEILING LAYOUT
SCALE 1: 100

LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brilliante A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brilliante A Premium biologically absorbable mineral wool ceiling tiles, NRC – 0.90, CAC – 36dB, Fire classification A2-s1, d0, weight – 3.5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on OWAconstruct S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with fire rated main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		-Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

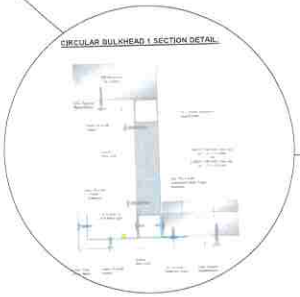
CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

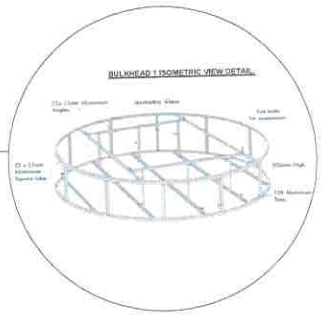
NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

CIRCULAR BULKHEAD 1 SECTION DETAIL



BULKHEAD 1 ISOMETRIC VIEW DETAIL



-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

NO.	REVISIONS	DATE
01	ISSUED	26/05/23
02	ISSUE OF UNSIGNED AND CONFIDENCE LEVEL DRAWINGS	31/08/23
03	ISSUED FOR CONSTRUCTION	07/09/23
04	ISSUED FOR TENDER PURPOSES	07/09/23

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER
LDPWRI-16/1/16

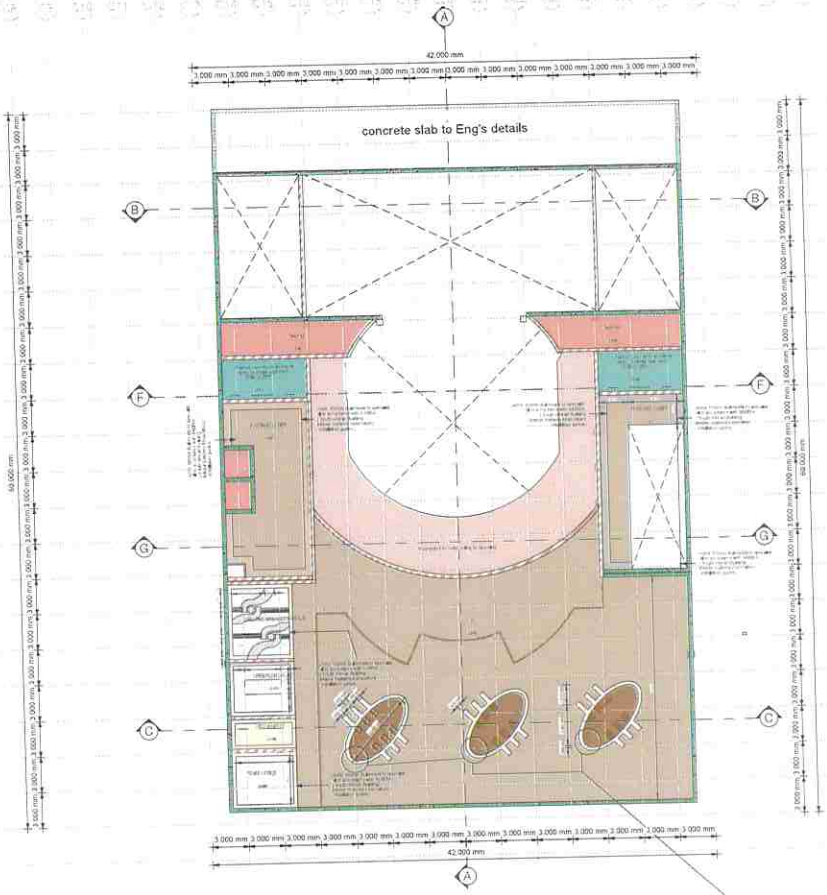
PROJECT NUMBER
TBA

DATE
26/05/2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
LEVEL 1388.5m CEILING PLAN

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER	REV
ACE-LPT-DWG-13L1	01
WORK STAGE	(STAGE 04)



LEVEL 1388.5m CEILING LAYOUT
SCALE 1: 100

LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0,95; CAC - 30dB, Fire classification A2-s1, d0, weight - 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on 24mm Fire rated OWAconstruct S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

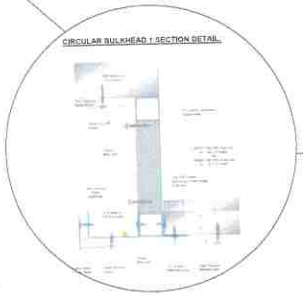
BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

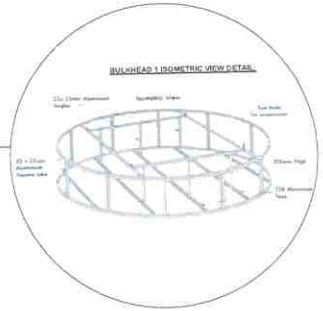
RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:
Cornice Spec.
*Powder coated aluminium shadowline strips.

CIRCULAR BULKHEAD 1 SECTION DETAIL



BULKHEAD 1 ISOMETRIC VIEW DETAIL



-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

NO.	REVISIONS	DATE
01	- DRAWN	17/10/2023
02	- TENDER ADDENDUM NO 1 (STRUCTURAL STEEL REVISION)	15/11/2023
03	- ADDENDUM 2 - DEPARTMENT COMMENTS	01/12/2023
04	- ADDENDUM 3 (DESCRIPTION CHANGE ON FINISHES AS PER LATEST INSPIRE METERS)	07/12/2023

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER
LDPWRI-10/11/R

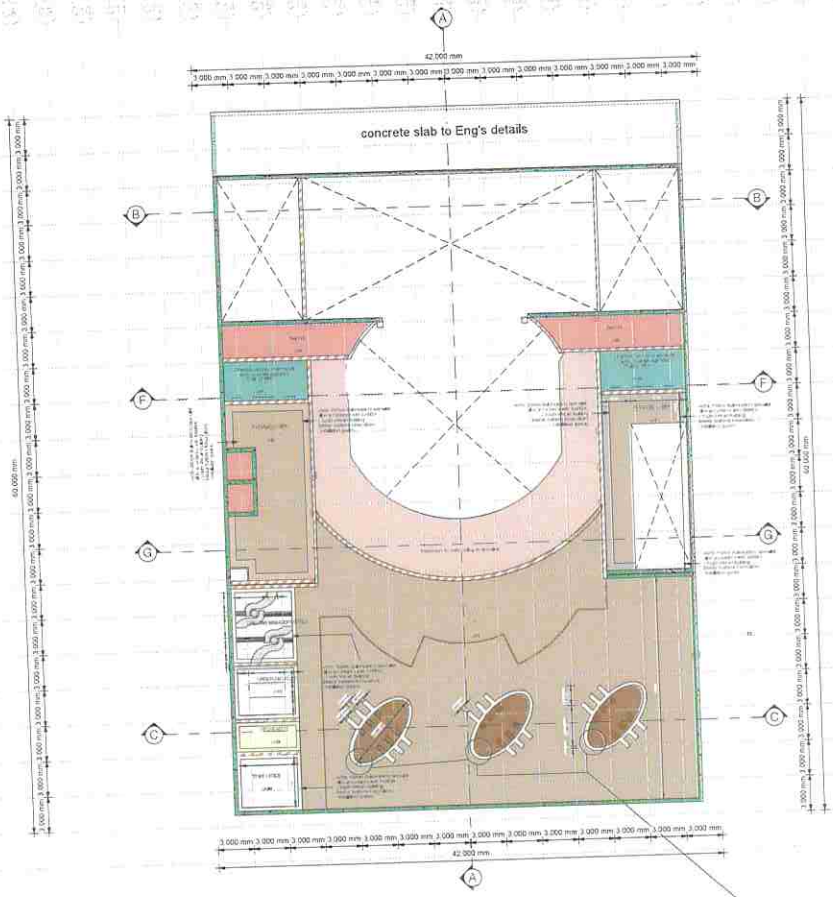
PROJECT NUMBER
TBA

DATE
28/05/2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
LEVEL 1388.5m CEILING PLAN

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER	REV
ACE-LPT-DWG-13L1	03
WORK STAGE	(STAGE 04)



LEVEL 1388.5m CEILING LAYOUT
SCALE 1: 100

LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brilliante A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre–OWAcoustic Brilliante A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0.95, CAC - 33dB, Fire classification A2-s1, d0, weight - 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on 24dB, Fire classification A2-s1, d0, weight - 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

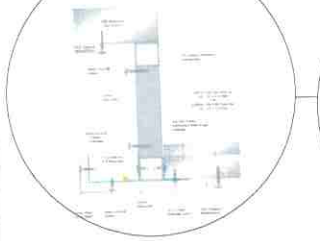
CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

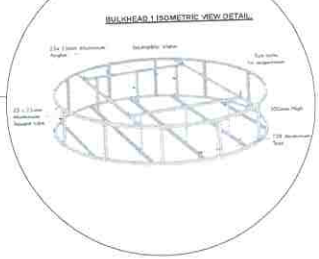
NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

CIRCULAR BULKHEAD 1 SECTION DETAIL



BULKHEAD 1 ISOMETRIC VIEW DETAIL



-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT

REV	DESCRIPTION	DATE
01		
02		
03		

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPW/RS-10/11/15

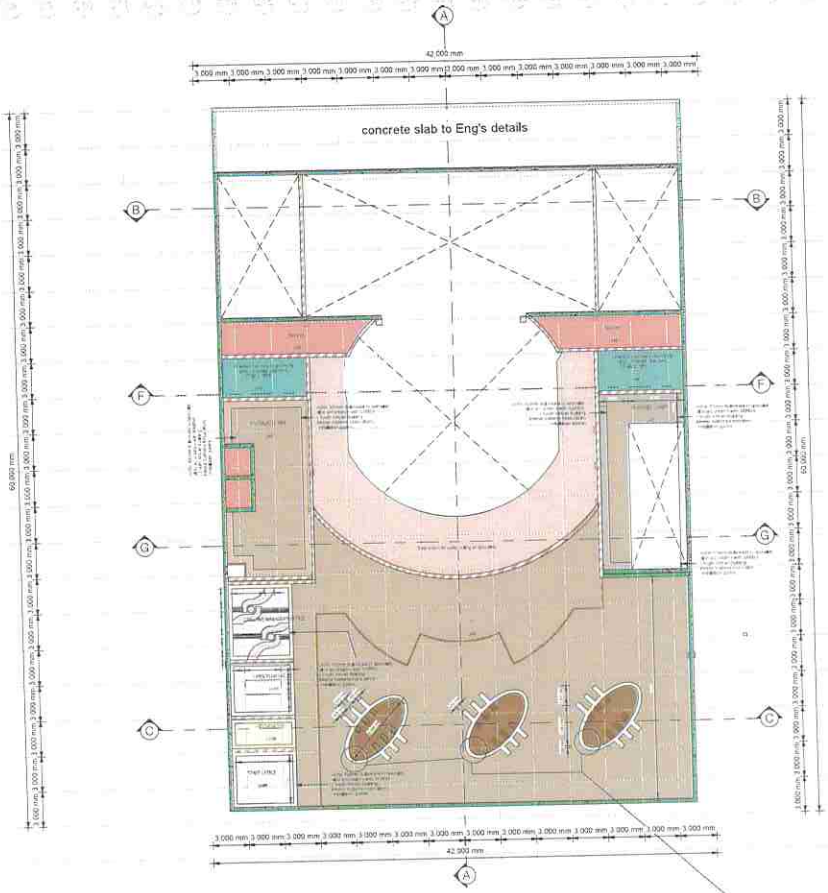
PROJECT NUMBER: TBA

DATE: 26/05/2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: LEVEL 1388.5m CEILING PLAN

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER	REV
ACE-LPT-DWG-123	03
WORK STAGE	(STAGE 04)



LEVEL 1388.5m CEILING LAYOUT
SCALE 1: 100

LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (30% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC = 0.90, CAC = 30dB, Fire classification A2-s1, d0, weight = 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on 24dB, Fire classification A2-s1, d0, weight = 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on 15/16 rated OWAconstruct S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

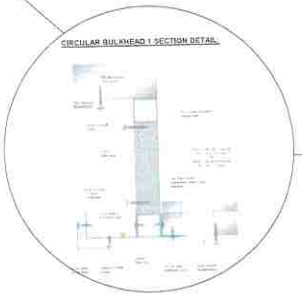
CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

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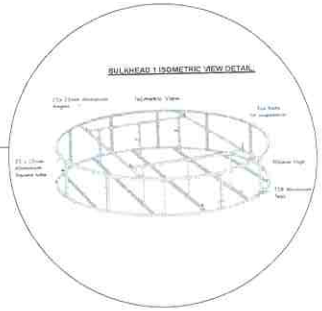
NOTE:

Comice Spec.
*Powder coated aluminium shadowline strips.

CIRCULAR BULKHEAD 1 SECTION DETAIL



BULKHEAD 1 ISOMETRIC VIEW DETAIL



-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION

-ALL DIMENSIONS TO BE CONFIRMED ON SITE

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

REV	DESCRIPTION	DATE
01	ISSUED	
02	ISSUED FOR CONSTRUCTION	
03	ISSUED FOR TENDER	
04	CONSTRUCTION DRAWINGS AS PER SITE MEETING OF 10 MAY 2023	

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER: LDPW/HI-15/1/1/R

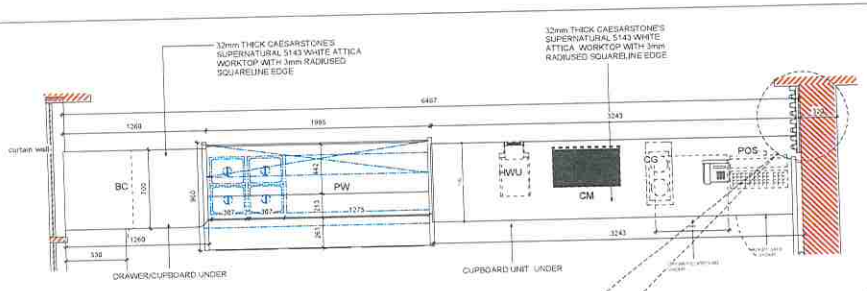
PROJECT NUMBER: TBA

DATE: 26/05/2023

TITLE:
LIMPOPO PROVINCIAL THEATRE

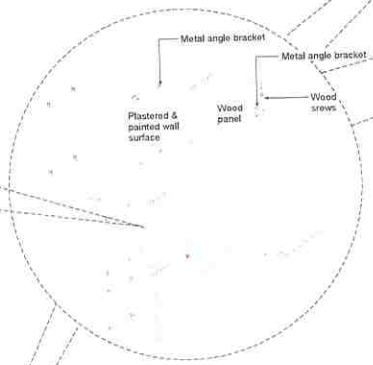
SHEET CONTENT:
LEVEL 1388.5m CEILING PLAN

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER: ACS-LPT-DWG-121	REV: 03
WORK STAGE:	(STAGE 04)

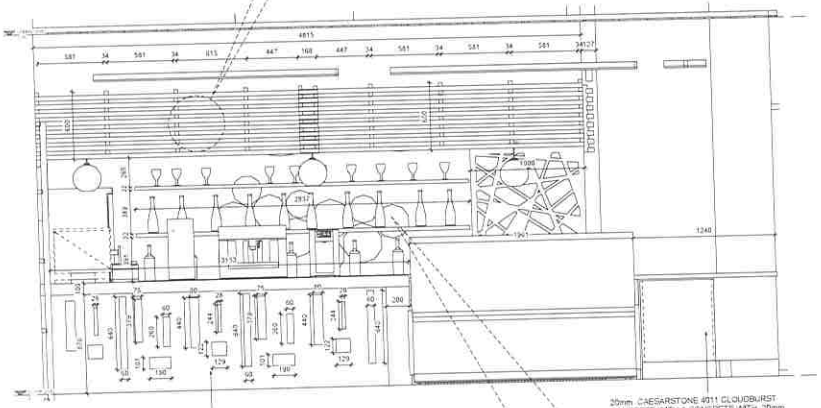


1 Coffee Station Plan - D





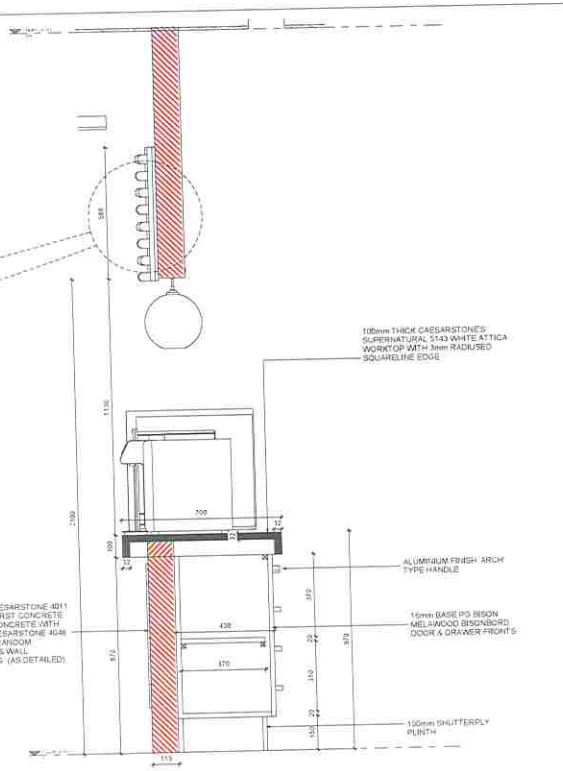
CALLOUT 01
TYPICAL CONNECTION DETAIL FOR VERTICAL AND HORIZONTAL WOOD PANEL



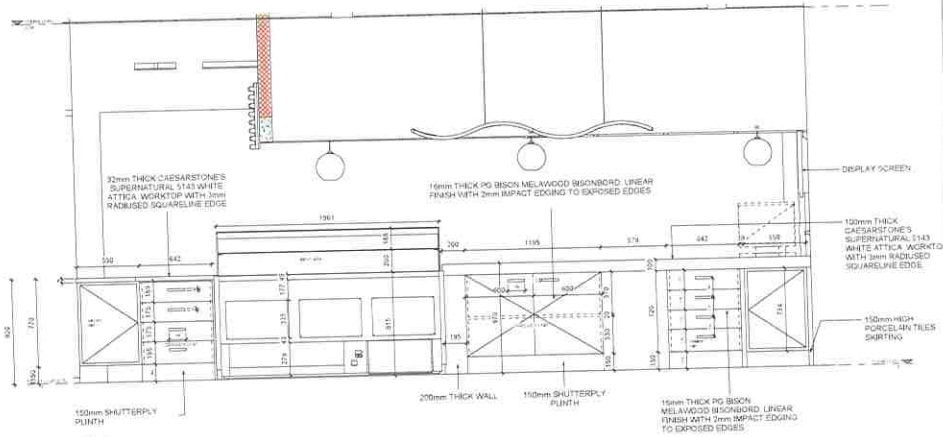
2 Elevation 1- Coffee Shop



TYPICAL 3D WALL DECO



4 Typical Section - D



3 Elevation 2 - Coffee Shop

REFER STANDARD JOINERY NOTES J800

FINISHES NOTES:

COUNTER TOP:
CAESARSTONE 7141 WHITE STAR

CUPBOARD DOORS AND DRAWER FRONTS AND SIDE PANELS:
VERZASKA OAK (VERTICAL GRAIN)

CARCASSES/INTERNAL
SUPER WHITE (PEEN FINISH)

OPEN SHELVES (INTERNAL & EXTERNAL):
VERZASKA OAK (VERTICAL GRAIN)

SKIRTING:
150mm HIGH PORCELAIN & SHUTTERPLY PLINTH

NOTES

DRAWER AND CUPBOARD WIDTHS ARE TO CALCULATED ON A 450mm MODULE

ALL DRAWERS ARE TO BE EQUAL IN SIZE

ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO MANUFACTURE

ALL BOARDS TO BE PG BISON MOISTURE RESISTANCE BISONBORD

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV.	DESCRIPTION.	DATE.
00	FOR INFORMATION .	17-06 -2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

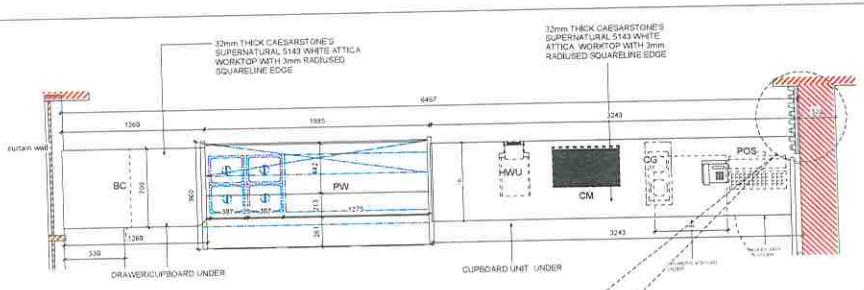
REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 17-06 -2023

TITLE:
PROPOSED LIMPOPO PROVINCIAL THEATRE

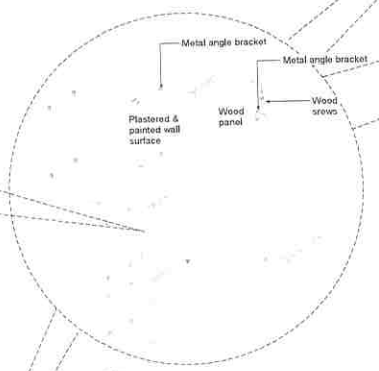
SHEET CONTENT:
COFFEE SHOP JOINERY DETAILS

DRAWN BY:	N.M
CHECKED BY:	BC
SCALE:	AS SHOWN
DRAWING NUMBER: ACE-LPT-DWG-ICF -01	REV: 00
WORK STAGE:	DETAILED DESIGN STAGE 04

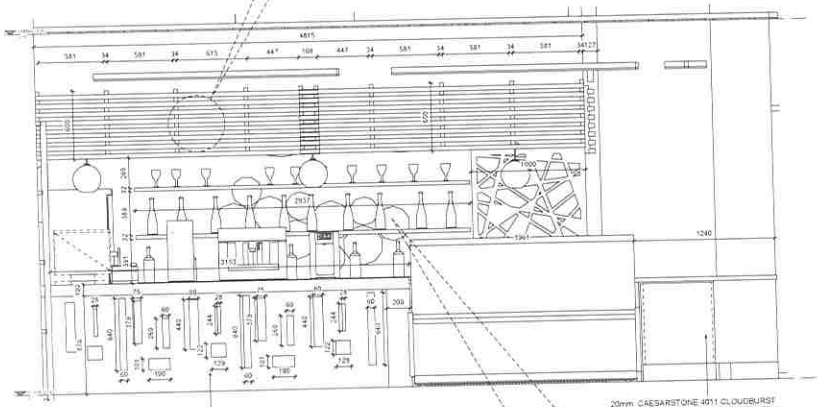


1 Coffee Station Plan - D





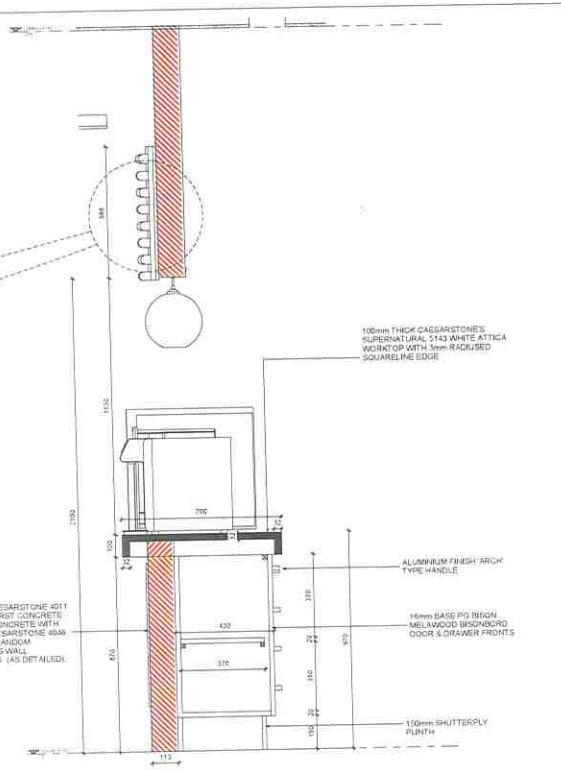
CALLOUT 01
TYPICAL CONNECTION DETAIL FOR VERTICAL AND HORIZONTAL WOOD PANEL



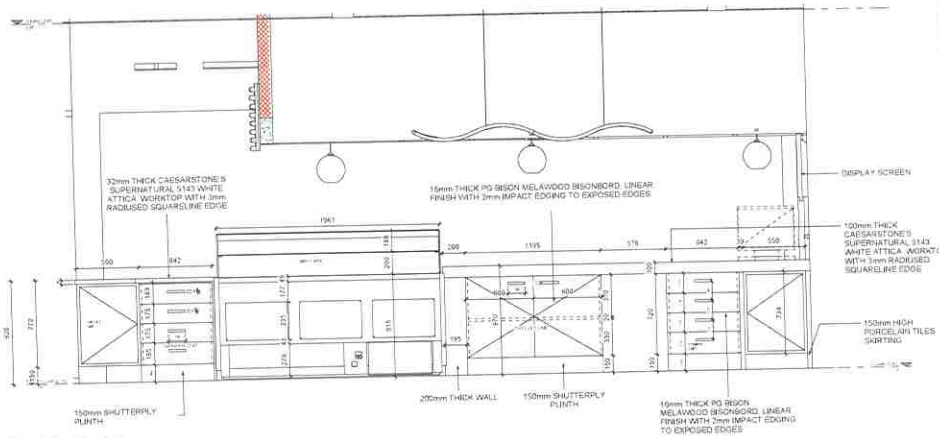
2 Elevation 1 - Coffee Shop



TYPICAL 3D WALL DECO



4 Typical Section - D



3 Elevation 2 - Coffee Shop

REFER STANDARD JOINERY NOTES J800

FINISHES NOTES

COUNTER TOP:
CAESARSTONE 7141 WHITE STAR

CUPBOARD DOORS AND DRAWER FRONTS AND SIDE PANELS:
VERZASKA OAK (VERTICAL GRAIN)

CARCASSES/INTERNAL:
SUPER WHITE (PEEN FINISH)

OPEN SHELVES (INTERNAL & EXTERNAL):
VERZASKA OAK (VERTICAL GRAIN)

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NOTES

DRAWER AND CUPBOARD WIDTHS ARE TO CALCULATED ON A 450mm MODULE

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ALL BOARDS TO BE PG BISON MOISTURE RESISTANCE BISONBORD

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV.	DESCRIPTION:	DATE:
00	FOR INFORMATION .	17-06 -2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKGNE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 17-06 -2023

TITLE:
PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT:
COFFEE SHOP JOINERY DETAILS

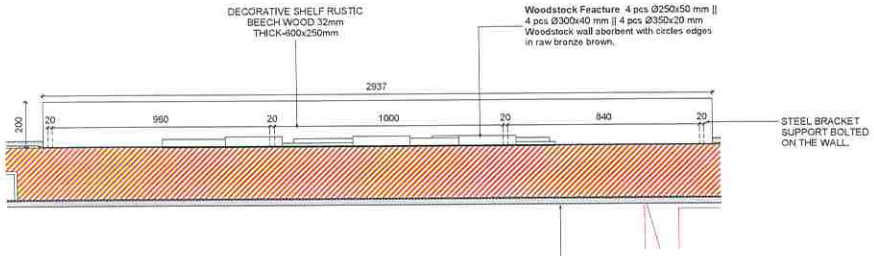
DRAWN BY: N.M

CHECKED BY: BC

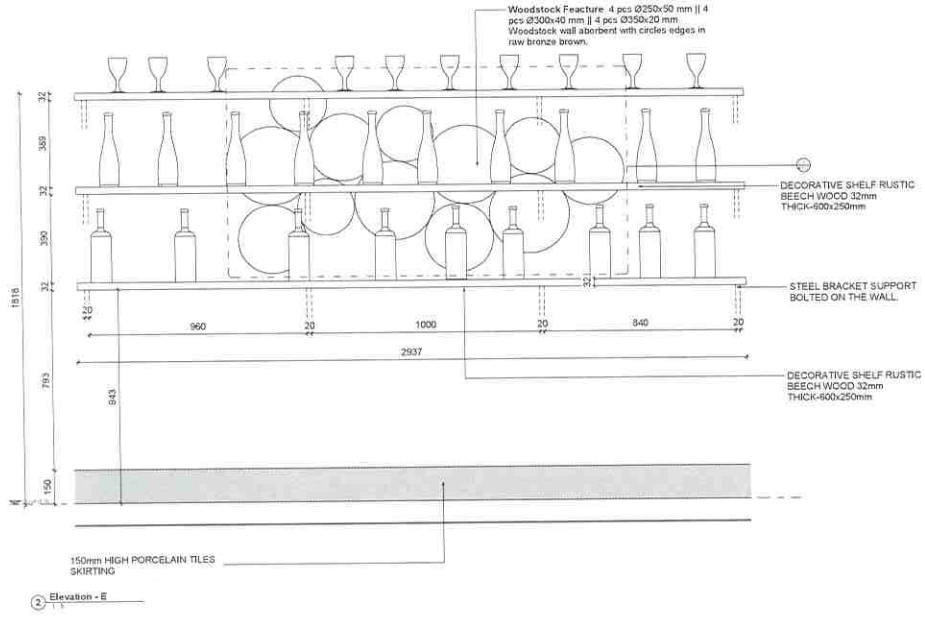
SCALE: AS SHOWN

DRAWING NUMBER: ACE-LPT-DWG-CF -01 REV: 00

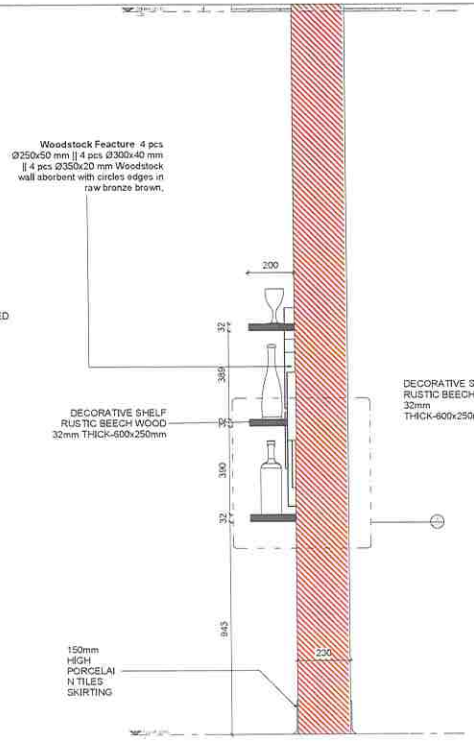
WORK STAGE: DETAILED DESIGN STAGE 04



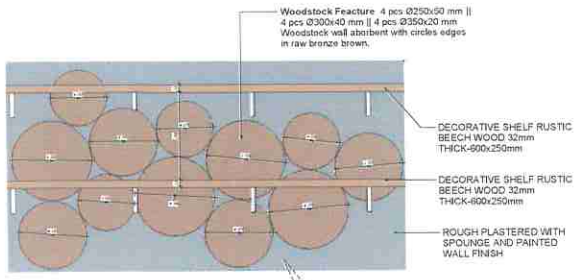
1 Coffee Shop Back Wall Plan - E



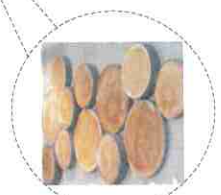
2 Elevation - E



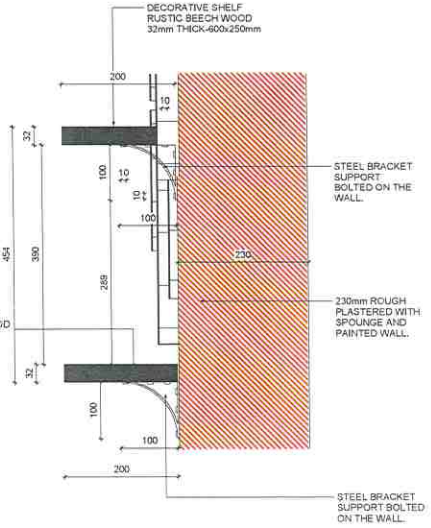
3 Typical Section - E



5 Elevation - E - Callout 1



TYPICAL 3D WALL DECO



4 Zoomed out- Callout E

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

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CONSULTANT:

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	FOR INFORMATION.	17-06 -2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 17-06 -2023

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: COFFEE SHOP JOINERY DETAILS

DRAWN BY: N.M

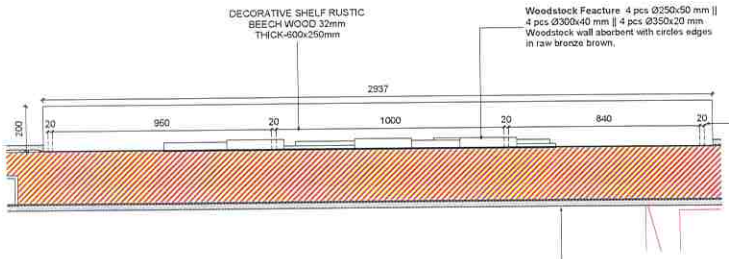
CHECKED BY: BC

SCALE: AS SHOWN

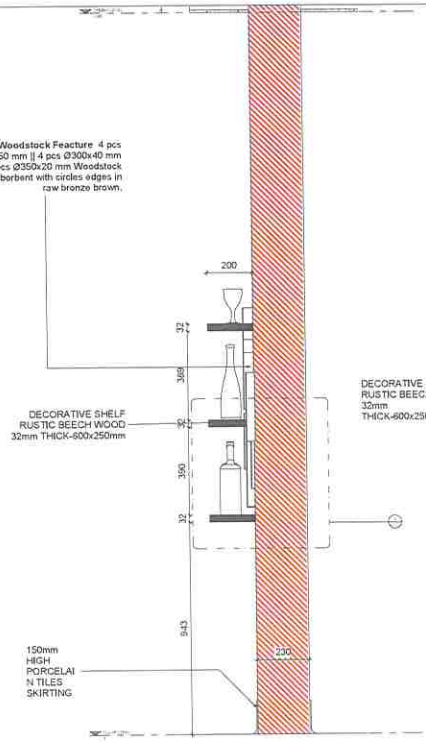
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REV: 00

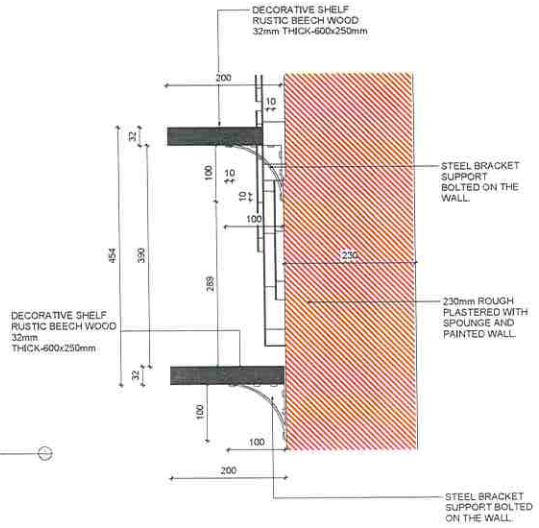
WORK STAGE: DETAILED DESIGN STAGE 04



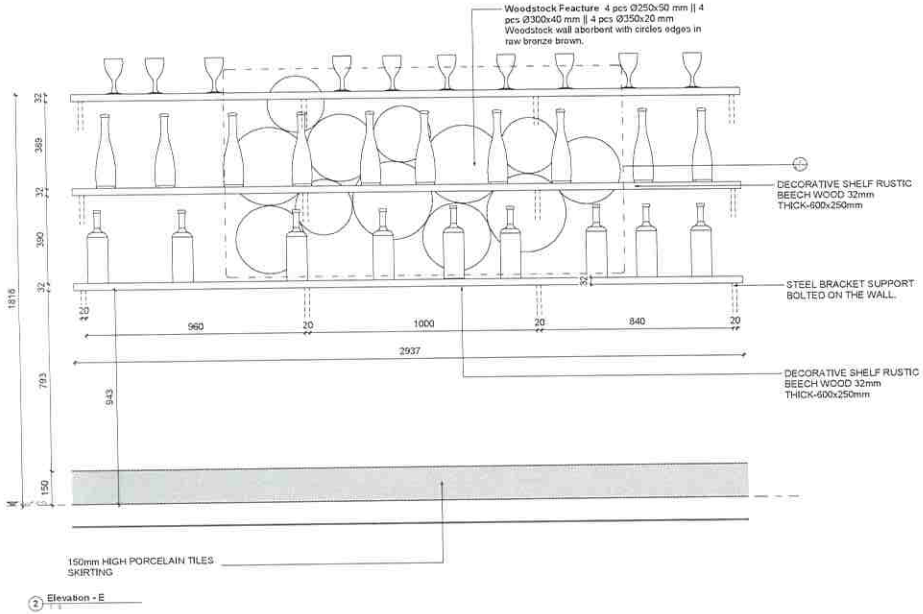
1 Coffee Shop Back Wall Plan - E



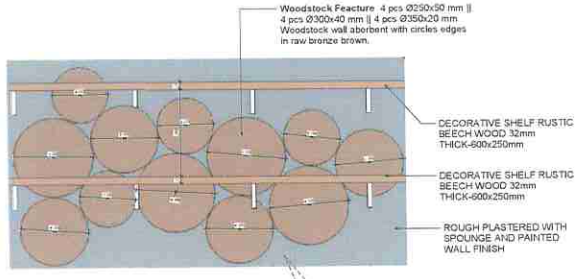
3 Typical Section - E



4 Zoomed out- Callout E



2 Elevation - E



5 Elevation - E - Callout 1



TYPICAL 3D WALL DECO

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV.	DESCRIPTION:	DATE:
00	FOR INFORMATION .	17-06 -2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 17-06 -2023

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: COFFEE SHOP JOINERY DETAILS

DRAWN BY: N.M

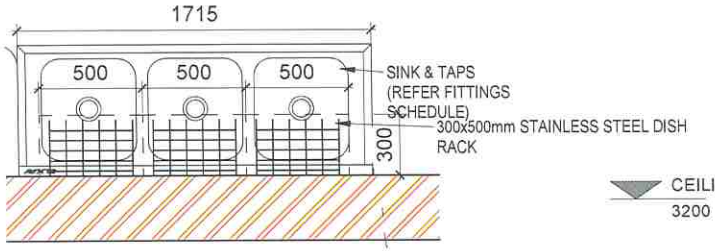
CHECKED BY: BC

SCALE: AS SHOWN

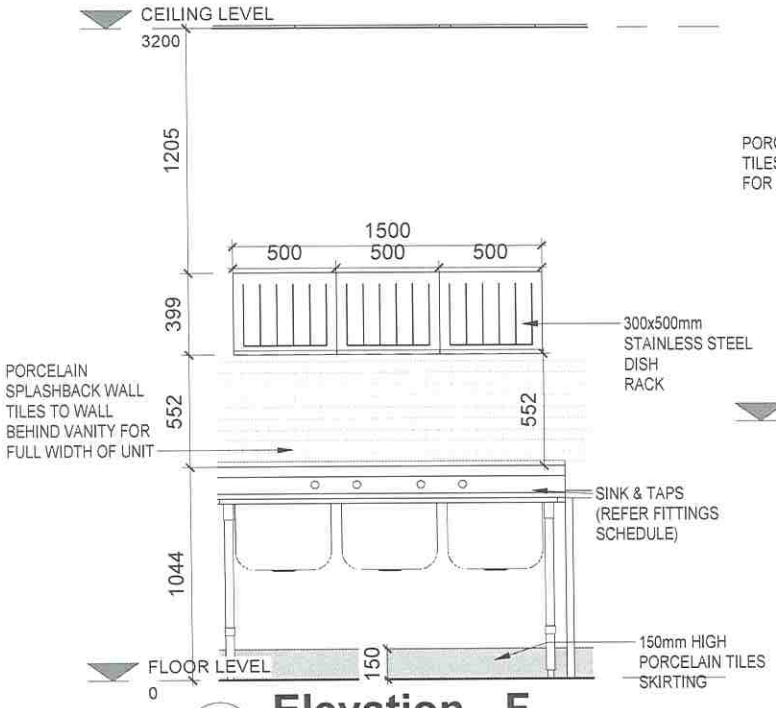
DRAWING NUMBER: ACE-LPT-DWG-CF -02

REV: 00

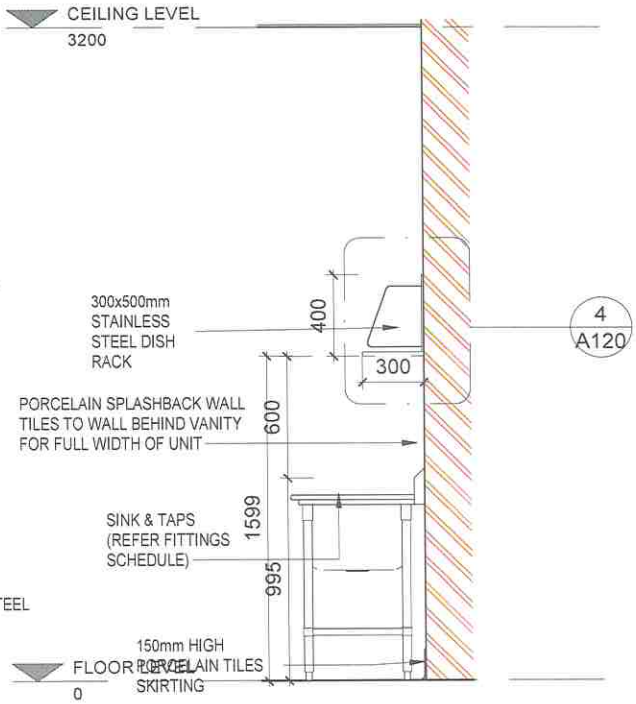
WORK STAGE: DETAILED DESIGN STAGE 04



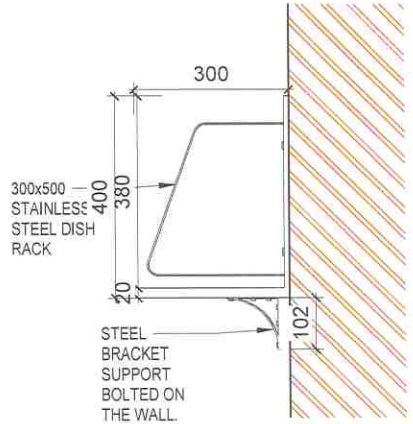
1 Dish Wash Station Plan - F
1 : 25



2 Elevation - F
1 : 25



3 Typical Section - F
1 : 25



4 Zoomed out- Callout F
1 : 10

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT: dtet. Architects and Project Engineers cc

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT, REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

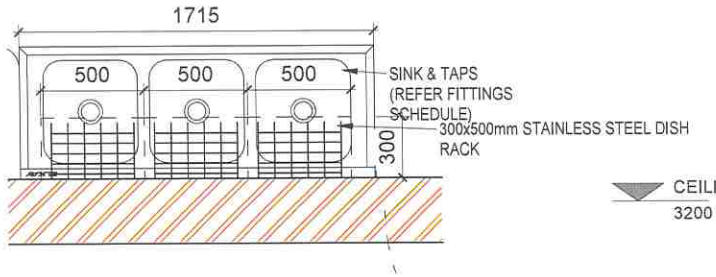
PROJECT: NEW PROPOSED LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA.

TITLE: DISH WASH STATION PLAN- L1-28
JOINERY DETAILS

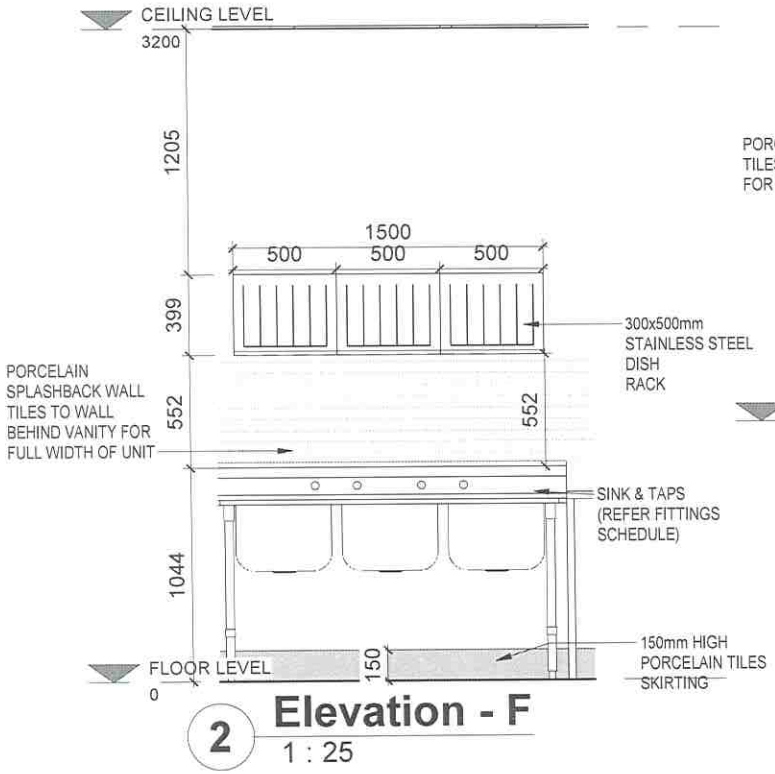
WORK STAGE: FOR INFORMATION

USER CLIENT: LIMPOPO

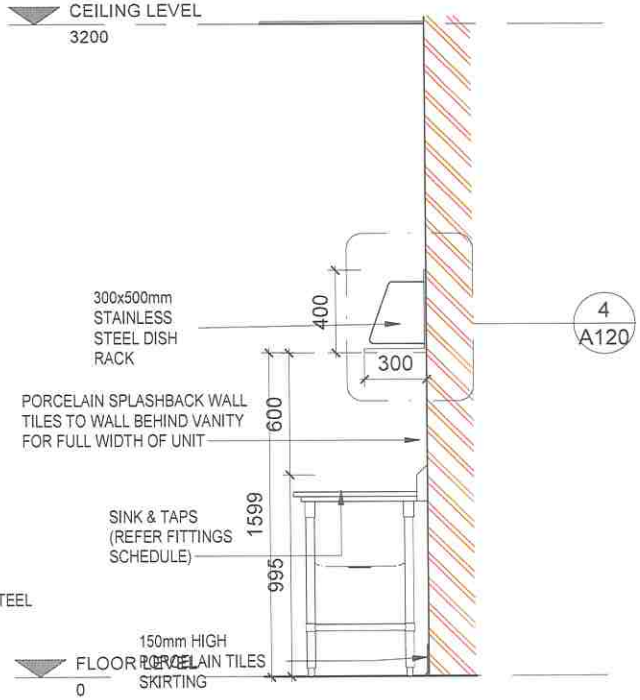
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08-09-2022	LDPWRI-10/1/1/R	1:50
Drawn by: NM	DRAWING NUMBER: LDPWRI-DWG-RPL-L1-28	REV
Checked by: TN	REFERENCE NUMBER : LDPWRI-10/1/1/R	00



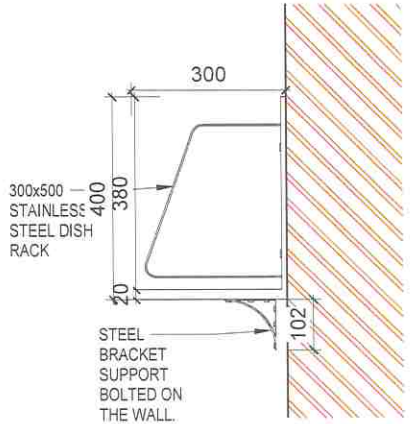
1 Dish Wash Station Plan - F
1 : 25



2 Elevation - F
1 : 25



3 Typical Section - F
1 : 25



4 Zoomed out- Callout F
1 : 10

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT, REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

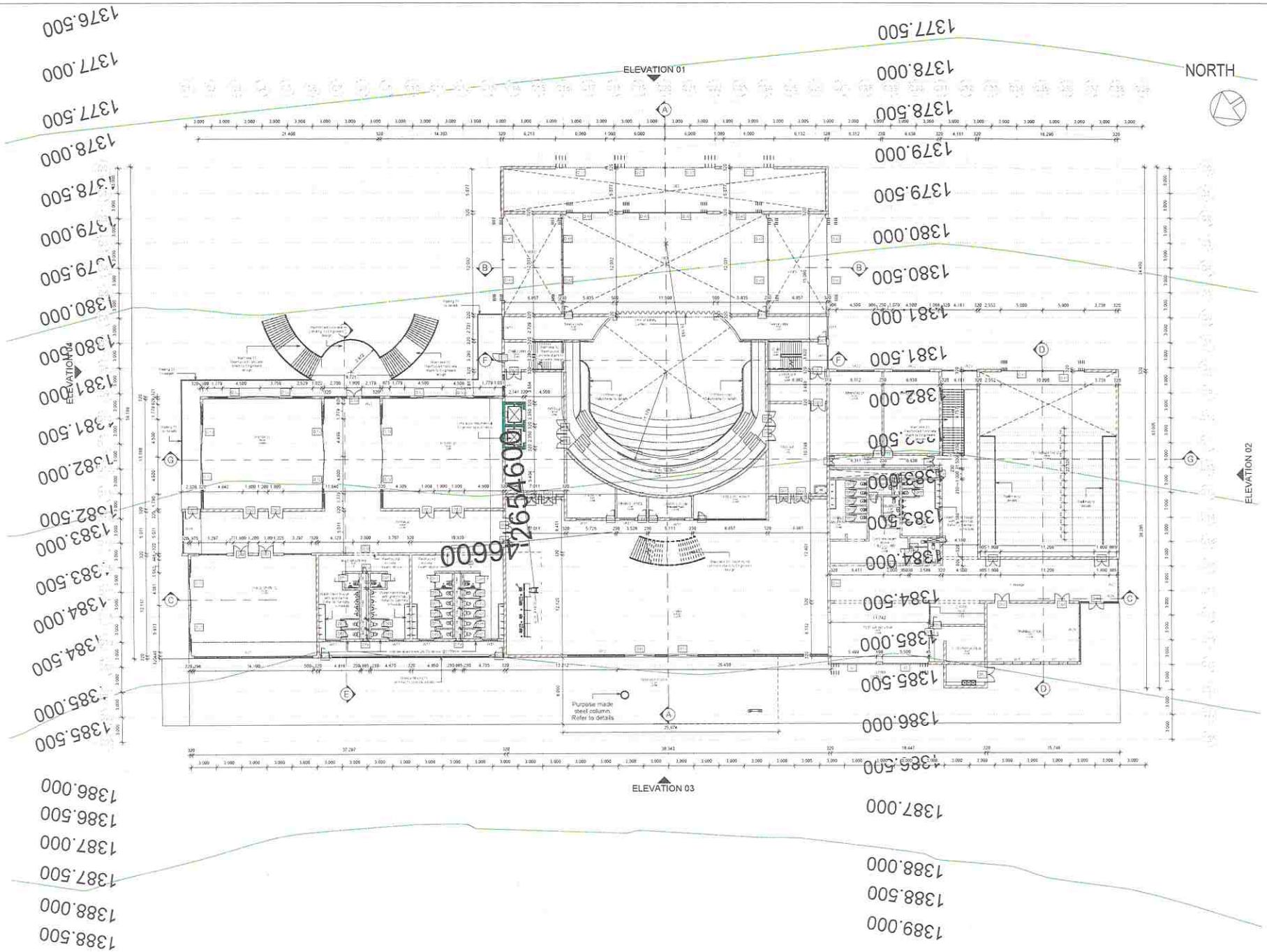
PROJECT:
NEW PROPOSED LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA.

TITLE:
DISH WASH STATION PLAN- L1-28
JOINERY DETAILS

WORK STAGE: FOR INFORMATION

USER CLIENT: LIMPOPO

Date 08-09-2022	Project number LDPWRI-10/1/1/R	Scale (ON A3) 1:50
Drawn by NM	DRAWING NUMBER: LDPWRI-DWG-RPL-L1-28	REV
Checked by TN	REFERENCE NUMBER :LDPWRI-10/1/1/R	00



1 Level 1385.0m
1 : 150

ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
Department of
SPORT, ARTS & CULTURE

NO.	AMENDMENTS	DATE
01	FOR PLANNING AND APPROVAL	19/05/2023

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER
LDPWRR-10/11/R

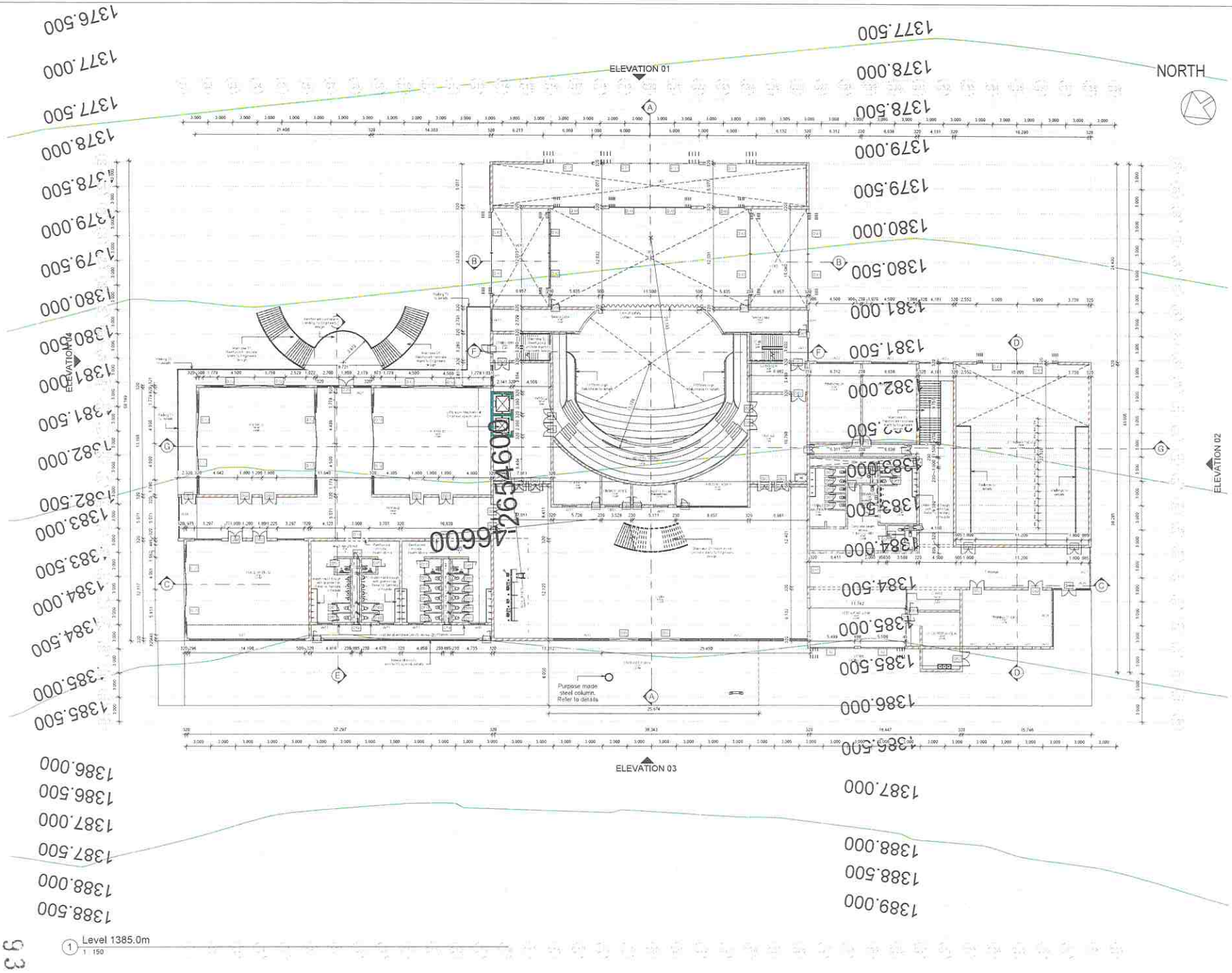
PROJECT NUMBER
TBA

DATE
19-05-2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
FLOOR PLAN - INFORMATION
LEVEL 1385.0m

DRAWN BY	GM
CHECKED BY	EN
SCALE ON A0	1 : 150
DRAWING NUMBER	REV
ACE+LPT-DWG- 1121	06
WORK STAGE	(STAGE 04)



1 Level 1385.0m
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
Department of WORKS, ARTS & CULTURE

DATE	DESCRIPTION	REV
11	ENVIRONMENTAL CONSTRAINTS	11

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER
LDPWR-19/1/1/R

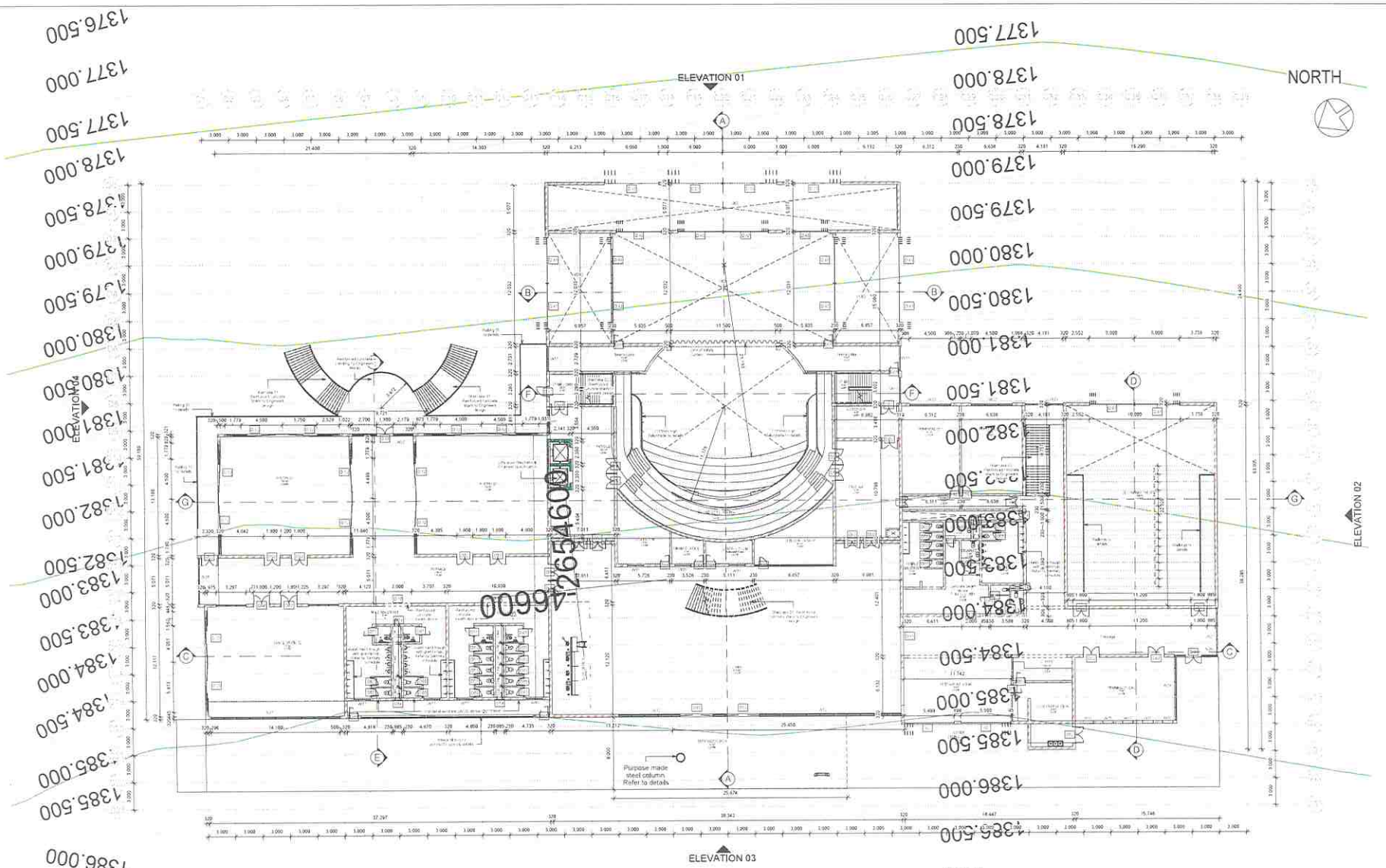
PROJECT NUMBER
TBA

DATE
19-06-2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
FLOOR PLAN - INFORMATION LEVEL 1385.0m

DRAWN BY	GM
CHECKED BY	EN
SCALE ON A0	1 : 150
DRAWING NUMBER ACE-LPT-DWG- 112/1	REV 06
WORK STAGE	(STAGE 04)



1 Level 1385.0m
1 : 150

ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

DATE	DESCRIPTION	ISSUED

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER
LDPWRI-10/11/R

PROJECT NUMBER
TBA

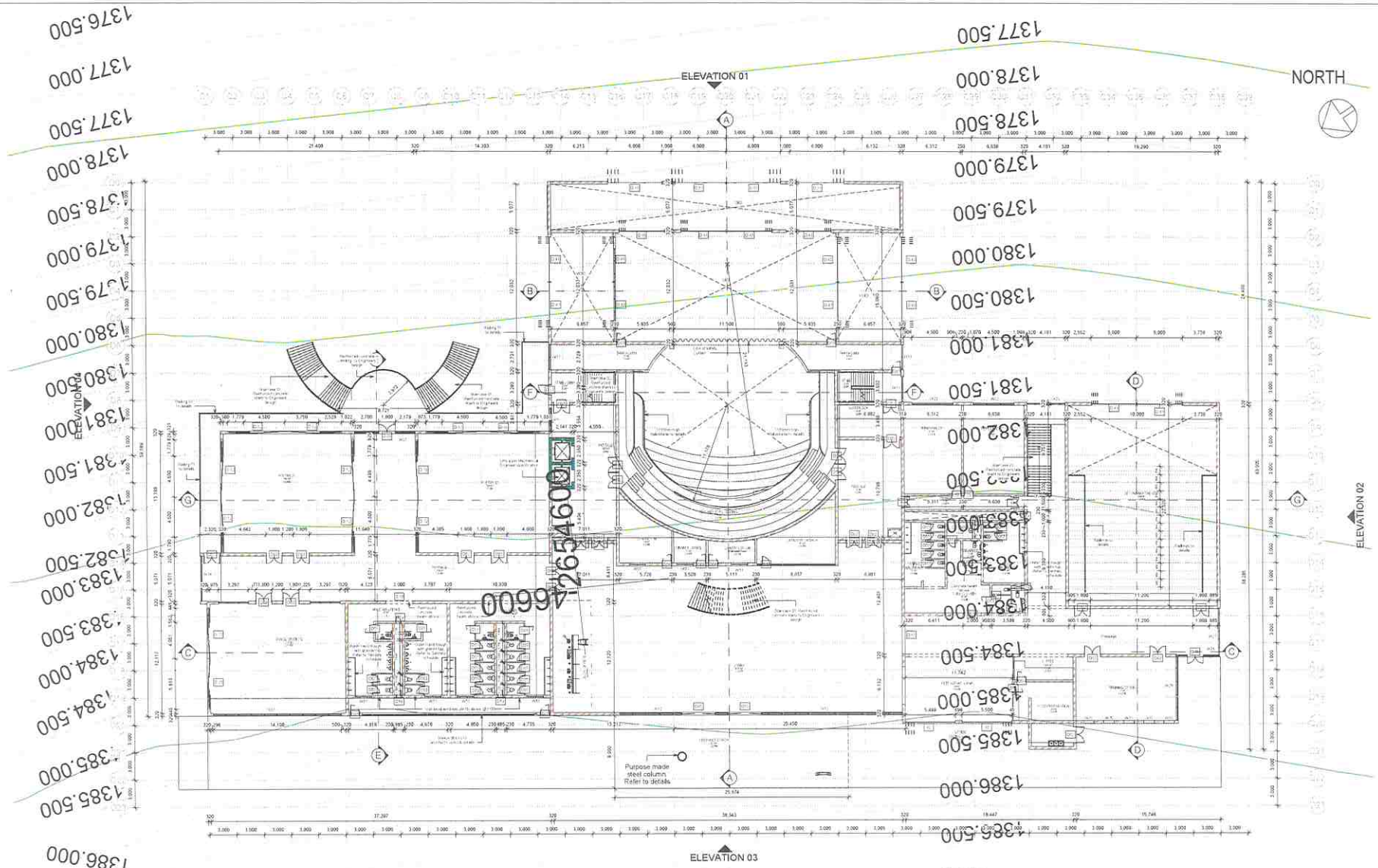
DATE
19-09-2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
FLOOR PLAN - INFORMATION LEVEL 1385.0m

DRAWN BY	GM
CHECKED BY	EN
SCALE ON A0	1 : 150
DRAWING NUMBER	REV
AC&LPT-DWG- 1121	36

WORK STAGE (STAGE 04)



1 Level 1385.0m
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

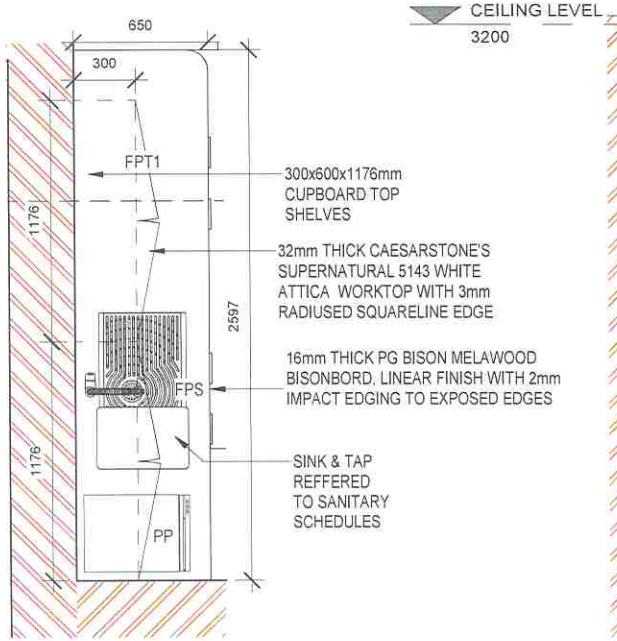
CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

NO.	DESCRIPTION	DATE
01		

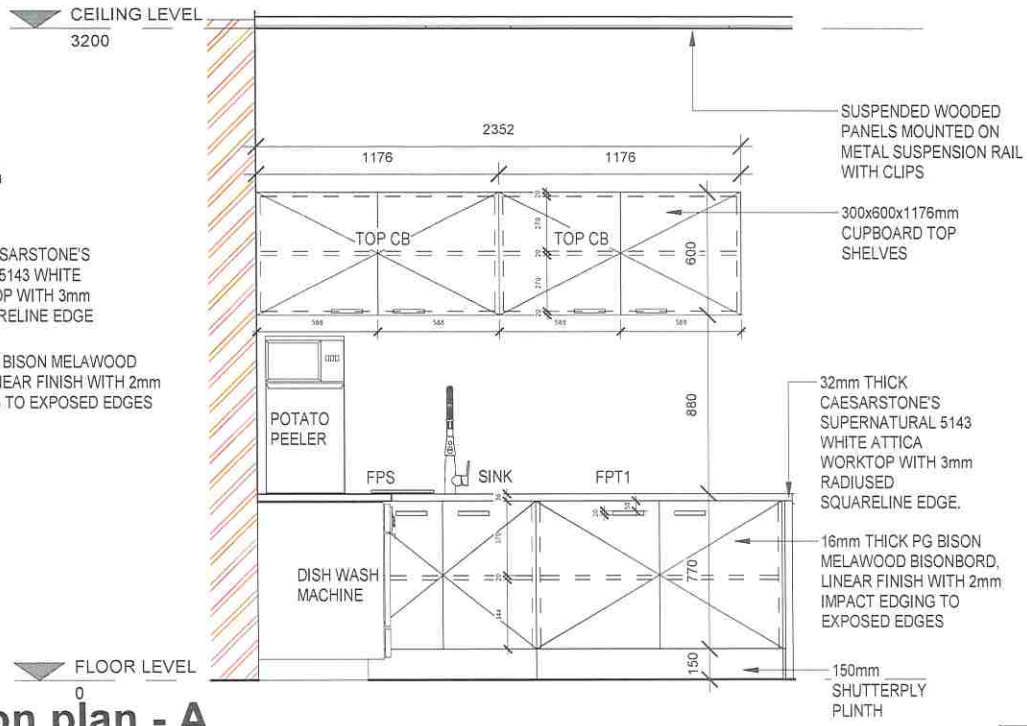
PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SAKONE-MALAPA, IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER	LDPWRI-10/1/1/R
PROJECT NUMBER	TBA
DATE	19-05-2023
TITLE	LIMPOPO PROVINCIAL THEATRE
SHEET CONTENT	FLOOR PLAN - INFORMATION LEVEL 1385.0m
DRAWN BY	GM
CHECKED BY	EN
SCALE ON A0	1 : 150
DRAWING NUMBER	ACE-LPT-DWG- 112/1
REV	06
WORK STAGE	(STAGE 04)



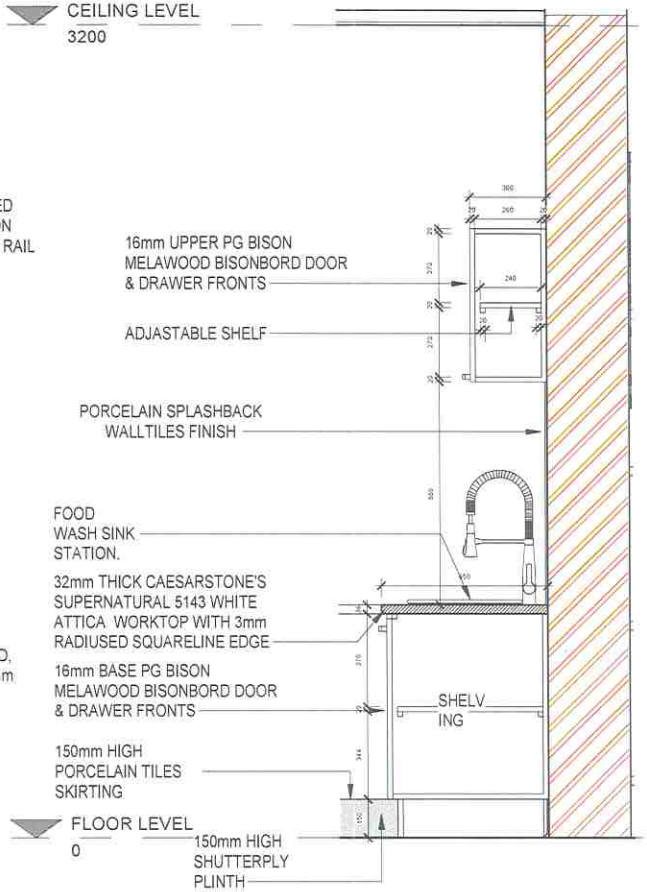
1 Food Wash Station plan - A

1 : 25



2 Elevation - A

1 : 25



3 Typical Section - A

1 : 20

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT, REPUBLIC OF SOUTH AFRICA — DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

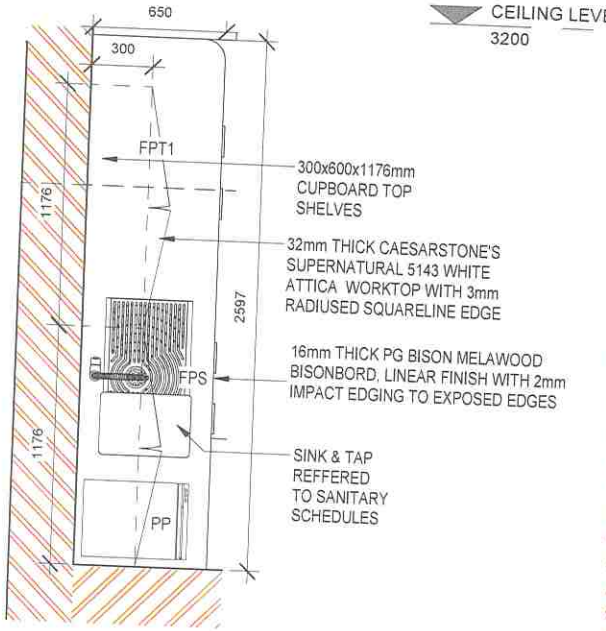
PROJECT: NEW PROPOSED LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA.

TITLE: FOOD WASH STATION PLAN L1-28

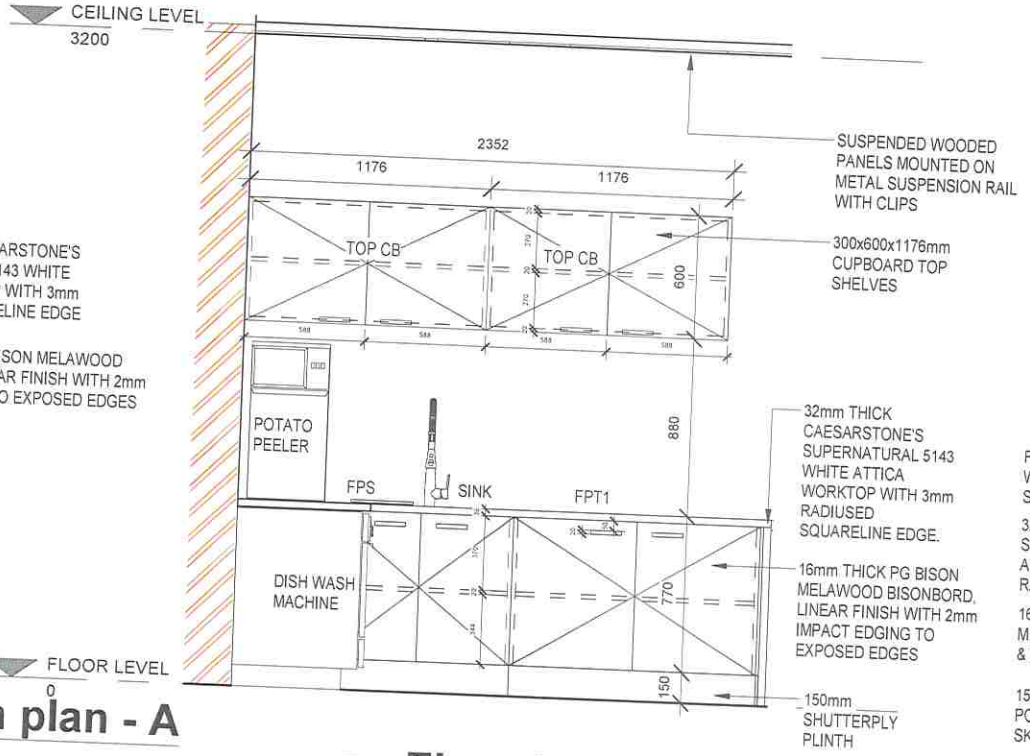
WORK STAGE: JOINERY DETAILS — FOR INFORMATION

USER CLIENT: LIMPOPO

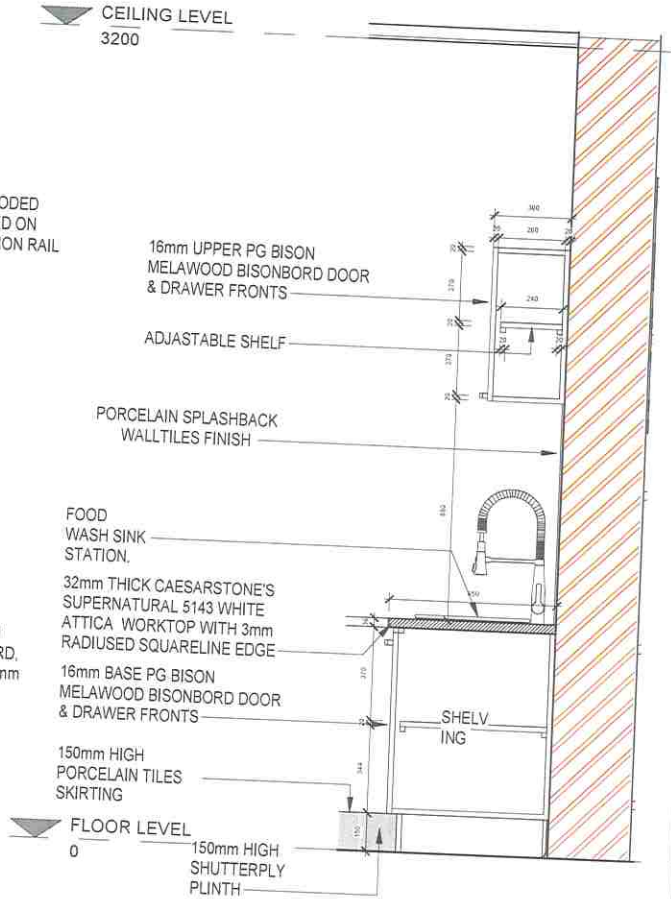
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Checked by: TN	REFERENCE NUMBER: LDPWRI-10/1/1/R	



1 Food Wash Station plan - A
1 : 25



2 Elevation - A
1 : 25



3 Typical Section - A
1 : 20

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

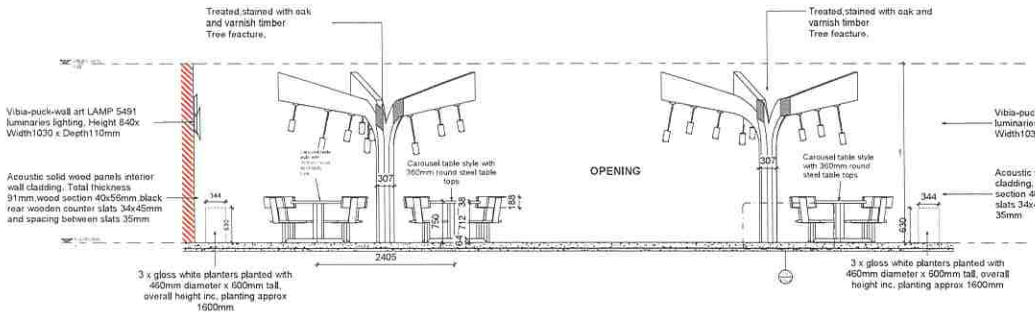
CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

PROJECT:
NEW PROPOSED LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA

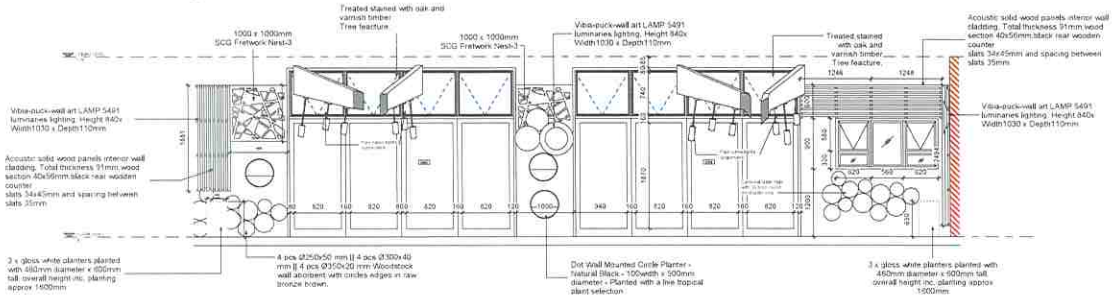
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FOOD WASH STATION
PLAN L1-28
WORK STAGE: JOINERY DETAILS FOR INFORMATION

USER CLIENT: LIMPOPO

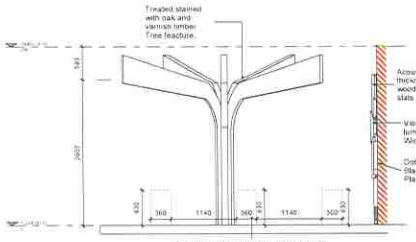
Date	Project number	Scale (ON A3)
17-06-2023	LDPWRI-10/1/1/R	1:50
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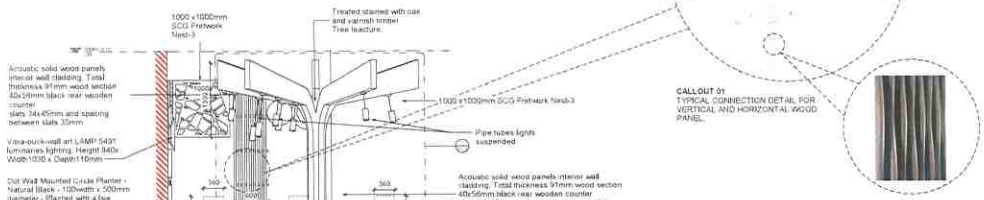
9 Elevation 1 -Outdoor Eating Area
1 : 25



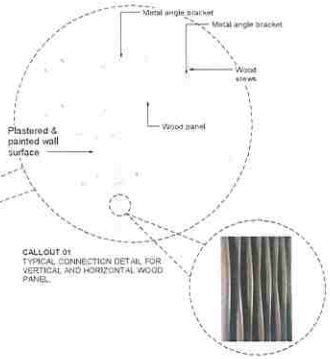
10 Elevation 2 - Outdoor Eating Area
1 : 25



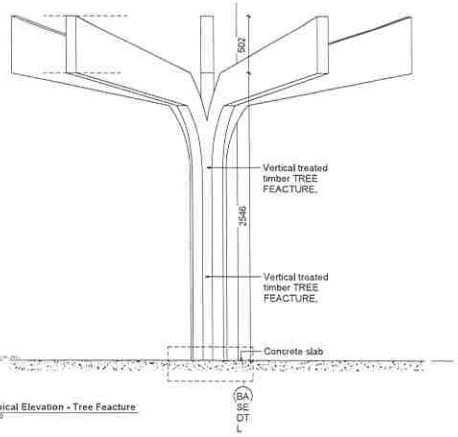
15 Elevation 3 - Outdoor Eating Area
1 : 25



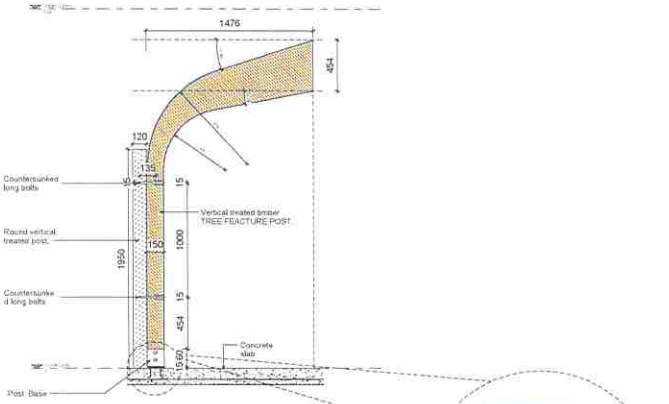
1 Elevation 4 - Outdoor Eating Area
1 : 25



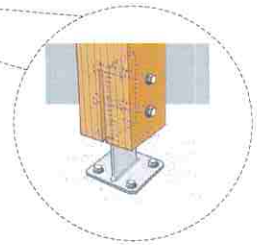
CALLOUT 01
TYPICAL CONNECTION DETAIL FOR VERTICAL AND HORIZONTAL WOOD PANEL.



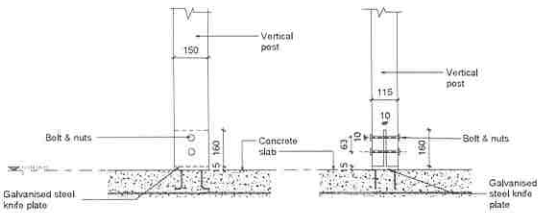
12 Typical Elevation - Tree Feacture
1 : 10



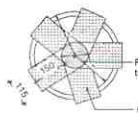
14 Typical Section Tree Feacture
1 : 10



TYPICAL 3D CONNECTION DETAIL



11 Typical Post Base Details
1 : 5



13 Typical plan - Tree Feacture
1 : 5

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

ACEL Architects and Civil Engineers cc

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	FOR INFORMATION.	17-06 -2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 17-06 -2023

TITLE:
PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT:
OUTSIDE EATING AREA

DRAWN BY: N.M

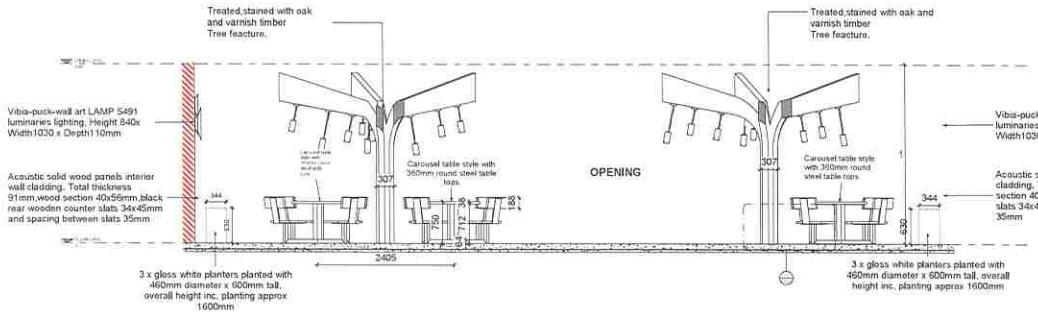
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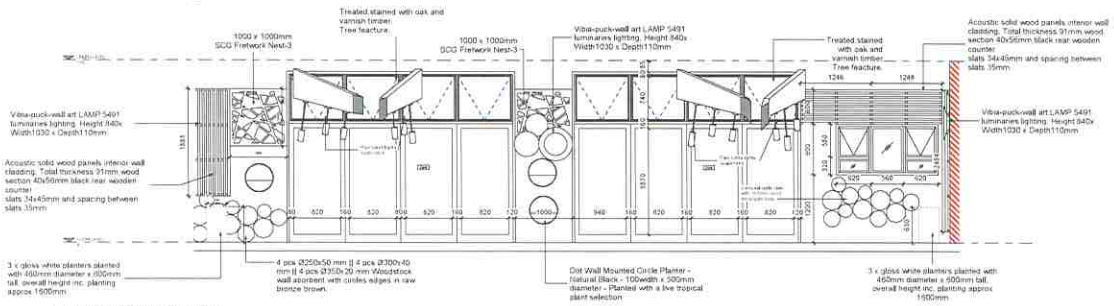
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REV: 00

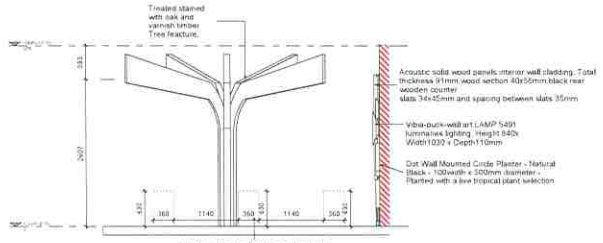
WORK STAGE: DETAILED DESIGN STAGE 04



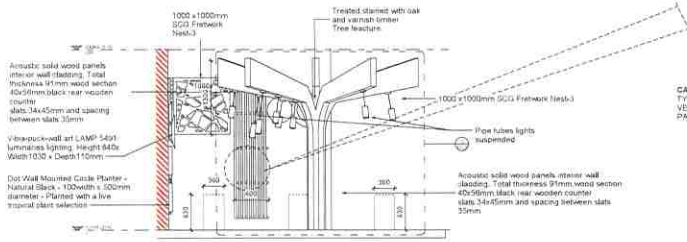
9 Elevation 1 -Outdoor Eating Area
1 : 20



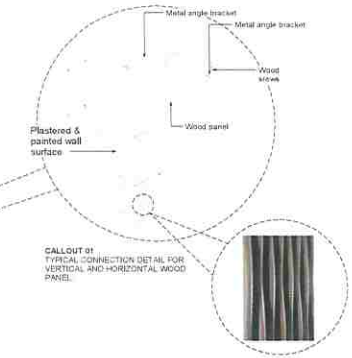
10 Elevation 2 - Outdoor Eating Area
1 : 20

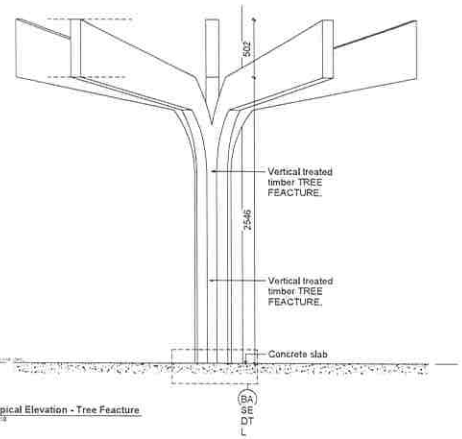


15 Elevation 3 - Outdoor Eating Area
1 : 20

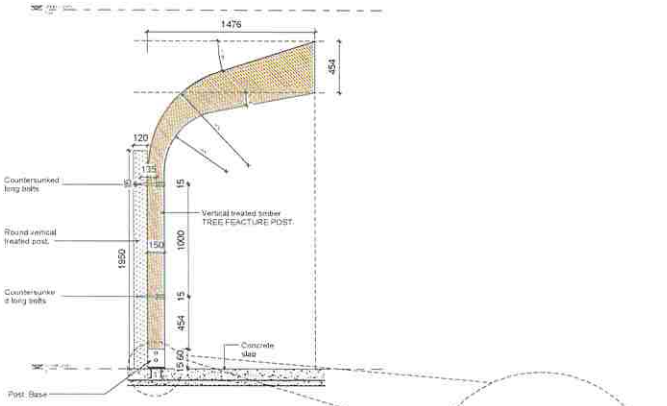


1 Elevation 4 - Outdoor Eating Area
1 : 20

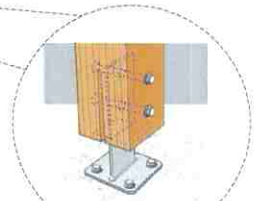




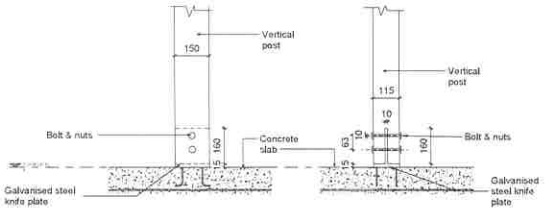
12 Typical Elevation - Tree Feacture
1 : 10



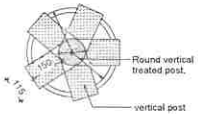
14 Typical Section Tree Feacture
1 : 10



TYPICAL 3D CONNECTION DETAIL



11 Typical Post Base Details
1 : 5



13 Typical plan - Tree Feacture
1 : 5

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE.
00	FOR INFORMATION .	17-06 -2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 17-06 -2023

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: OUTSIDE EATING AREA

DRAWN BY: N,M

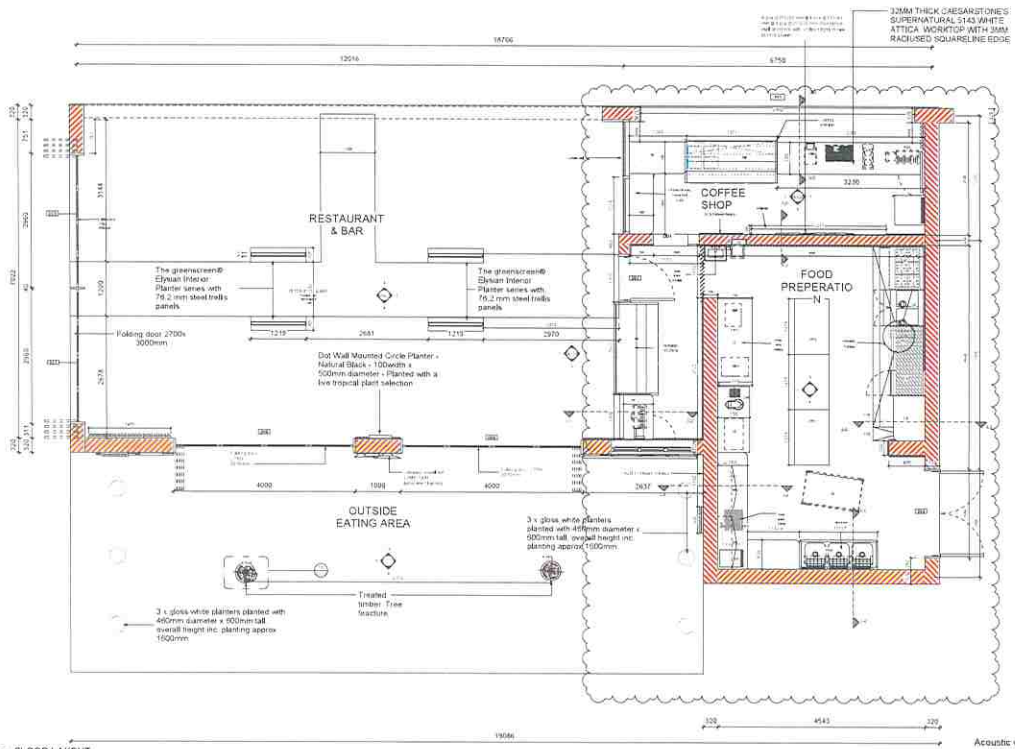
CHECKED BY: BC

SCALE: AS SHOWN

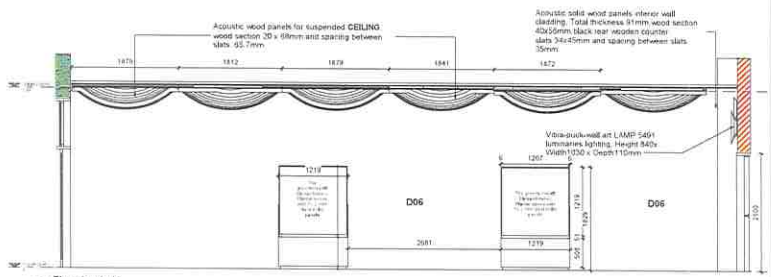
DRAWING NUMBER: ACE-LPT-DWG-OEA -02

REV: 00

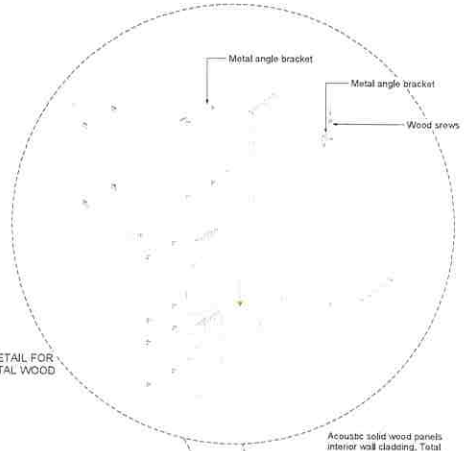
WORK STAGE: DETAILED DESIGN STAGE 04



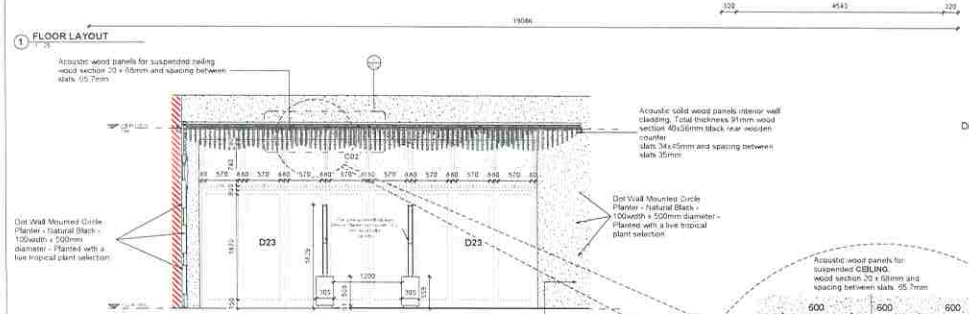
1 FLOOR LAYOUT 1:20



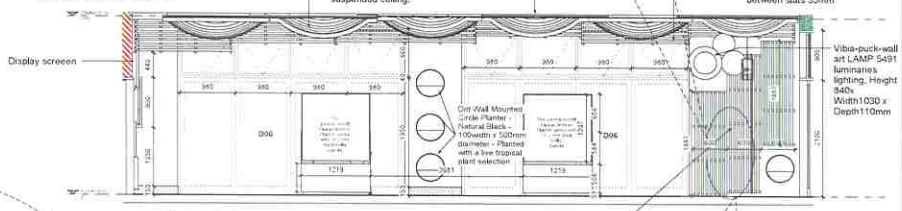
4 Elevation 4 - b 1:20



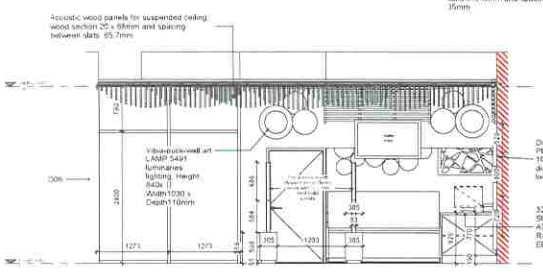
CALLOUT
TYPICAL CONNECTION DETAIL FOR VERTICAL AND HORIZONTAL WOOD PANEL.



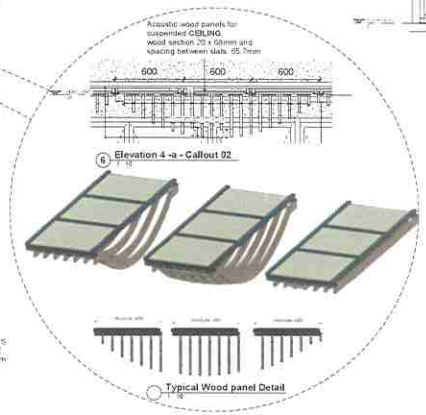
2 Elevation 4 -a 1:20



5 Elevation 4 - d 1:20

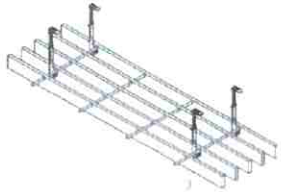


3 Elevation 4 -c 1:20



6 Elevation 4 -a - Callout 02 1:10

Typical Wood panel Detail 1:10



TYPICAL CONNECTION OF THE SUSPENDED CEILING WOOD PANEL



TYPICAL VERTICAL WOOD PANELS.

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

ACE Architects and Civil Engineers cc

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	FOR INFORMATION .	17-06 -2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 17-06 -2023

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: RESTAURANT& BAR

DRAWN BY: N.M

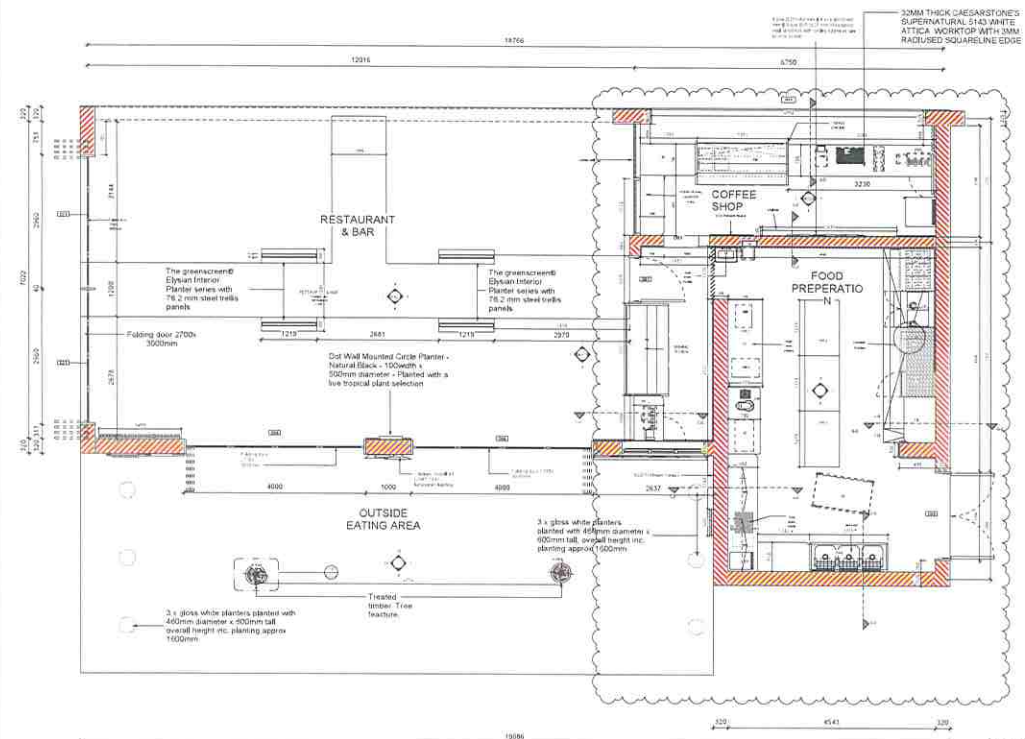
CHECKED BY: BC

SCALE: AS SHOWN

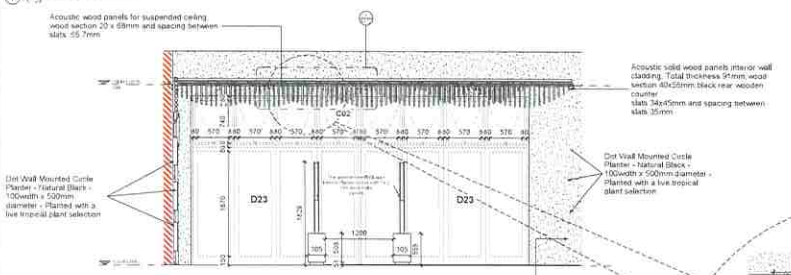
DRAWING NUMBER: ACE-LPT-DWG-RE - 01

REV: 00

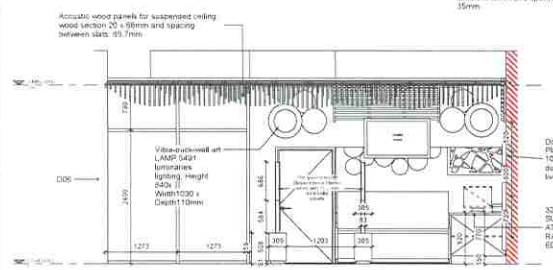
WORK STAGE: DETAILED DESIGN STAGE 04



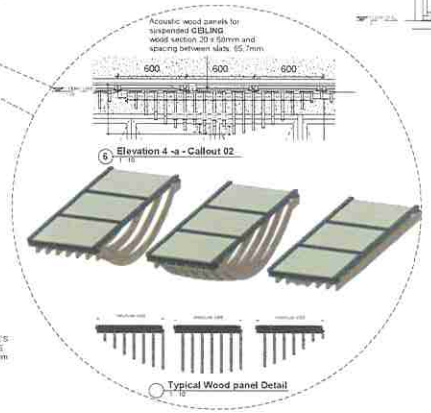
1 FLOOR LAYOUT
1 : 25



2 Elevation 4 -a
1 : 10

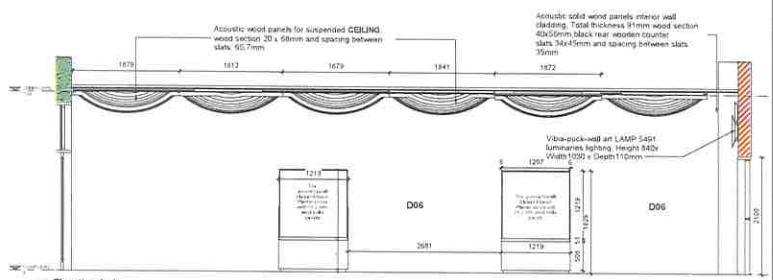


3 Elevation 4 -c
1 : 20

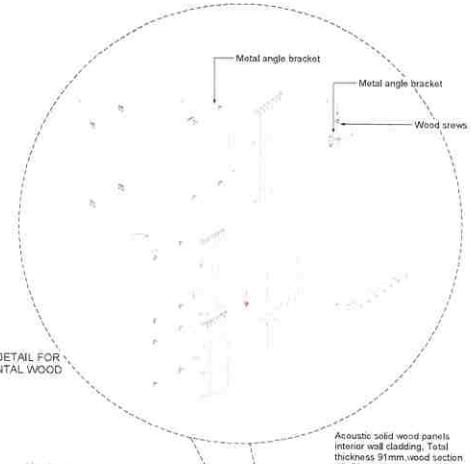


6 Elevation 4 -a - Callout 02
1 : 10

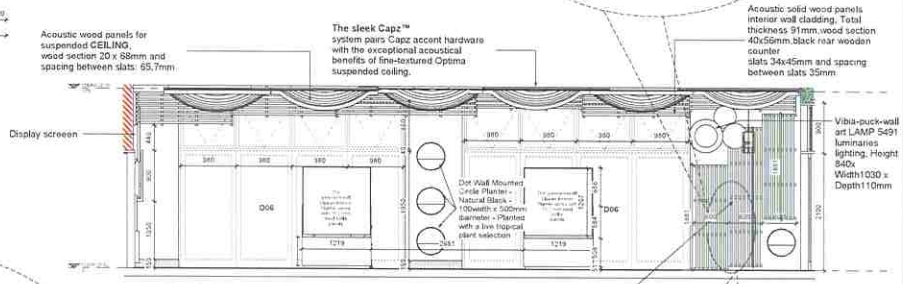
Typical Wood panel Detail
1 : 10



4 Elevation 4 - b
1 : 20



CALLOUT
TYPICAL CONNECTION DETAIL FOR VERTICAL AND HORIZONTAL WOOD PANEL.

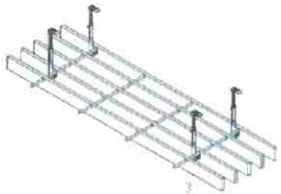


5 Elevation 4 - d
1 : 20

Acoustic solid wood panels interior wall cladding, Total thickness 91mm,wood section 40x56mm,black rear wooden counter slats 34x45mm and spacing between slats 35mm



TYPICAL VERTICAL WOOD PANELS.



TYPICAL CONNECTION OF THE SUSPENDED CEILING WOOD PANEL



-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

GAEC Architects and Civil Engineers cc

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF

PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT

Department of SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	FOR INFORMATION .	17-06 -2023

PROJECT:

CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 17-06 -2023

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: RESTAURANT& BAR

DRAWN BY: N.M

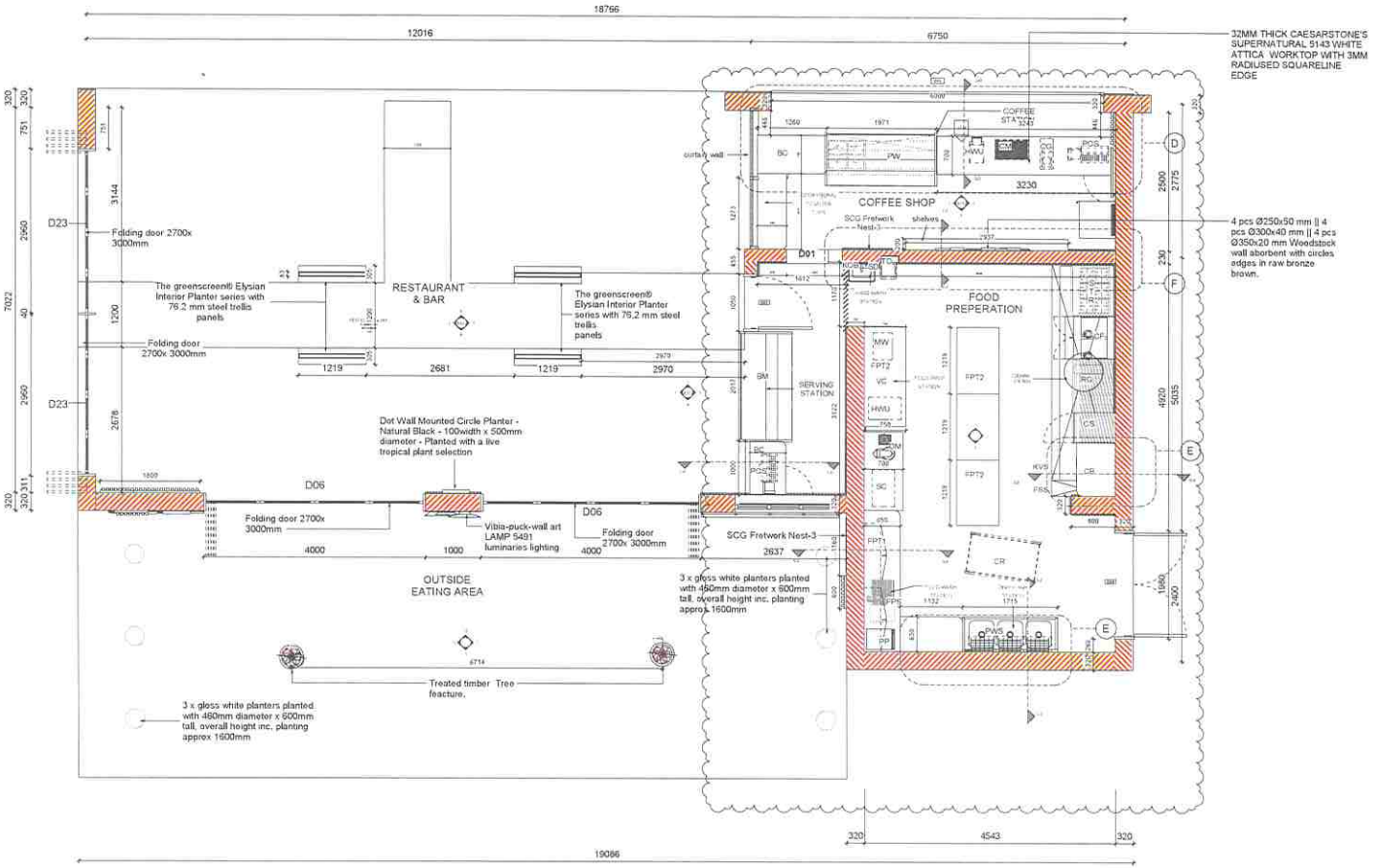
CHECKED BY: BC

SCALE: AS SHOWN

DRAWING NUMBER: ACE-LPT-DWG-RB - 01

REV: 00

WORK STAGE: DETAILED DESIGN STAGE 04



1 FLOOR LAYOUT
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV.	DESCRIPTION:	DATE:
00	FOR INFORMATION .	17-06 -2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 17-06 -2023

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: FLOOR LAYOUT

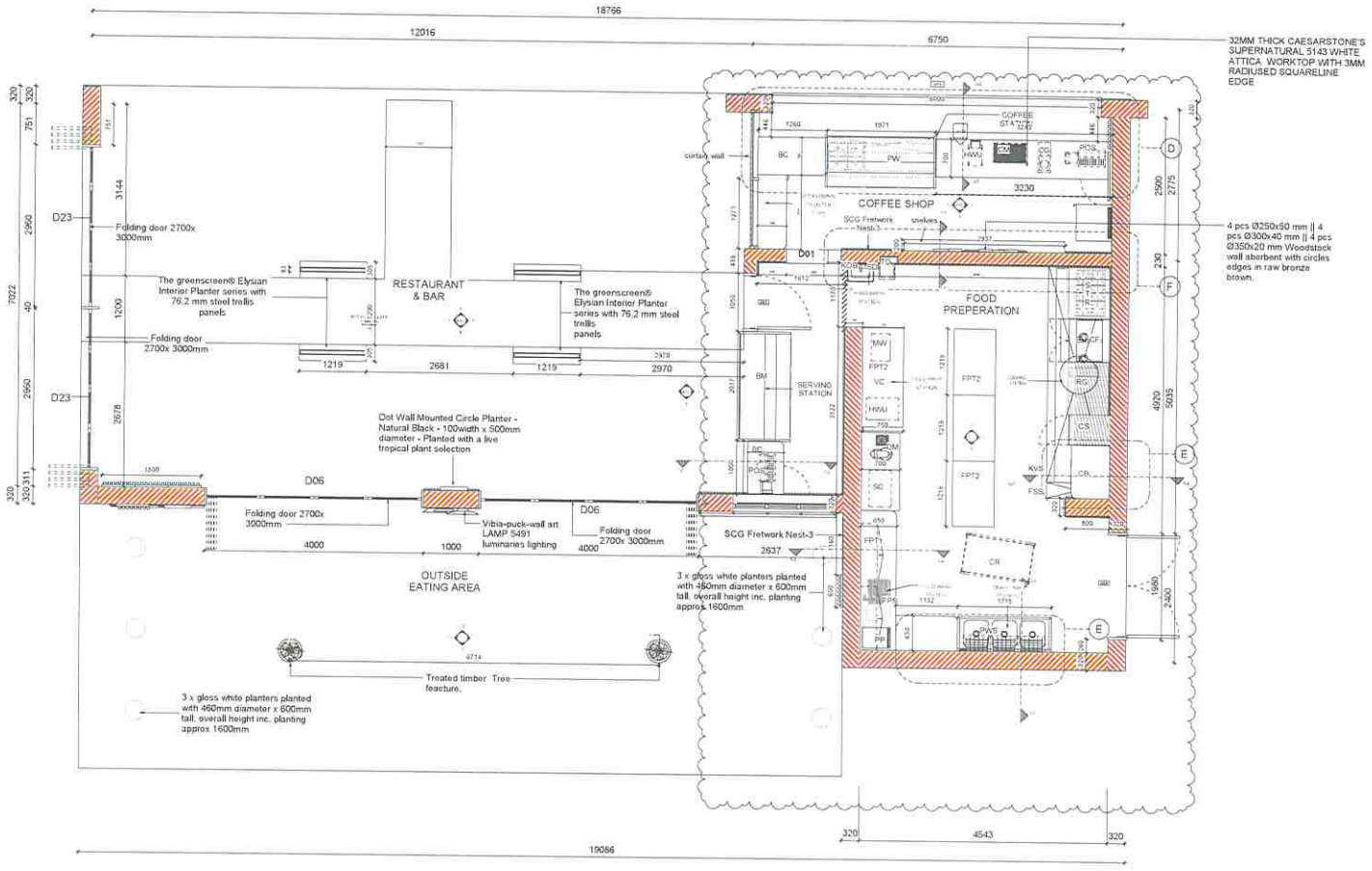
DRAWN BY: N.M

CHECKED BY: BC

SCALE: AS SHOWN

DRAWING NUMBER: ACE-LPT-DWG-R(B.CF) REV: 00

WORK STAGE: DETAILED DESIGN STAGE 04



1 FLOOR LAYOUT
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

REV.	DESCRIPTION:	DATE:
00	FOR INFORMATION .	17-06 -2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 17-06 -2023

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: FLOOR LAYOUT

DRAWN BY: N.M

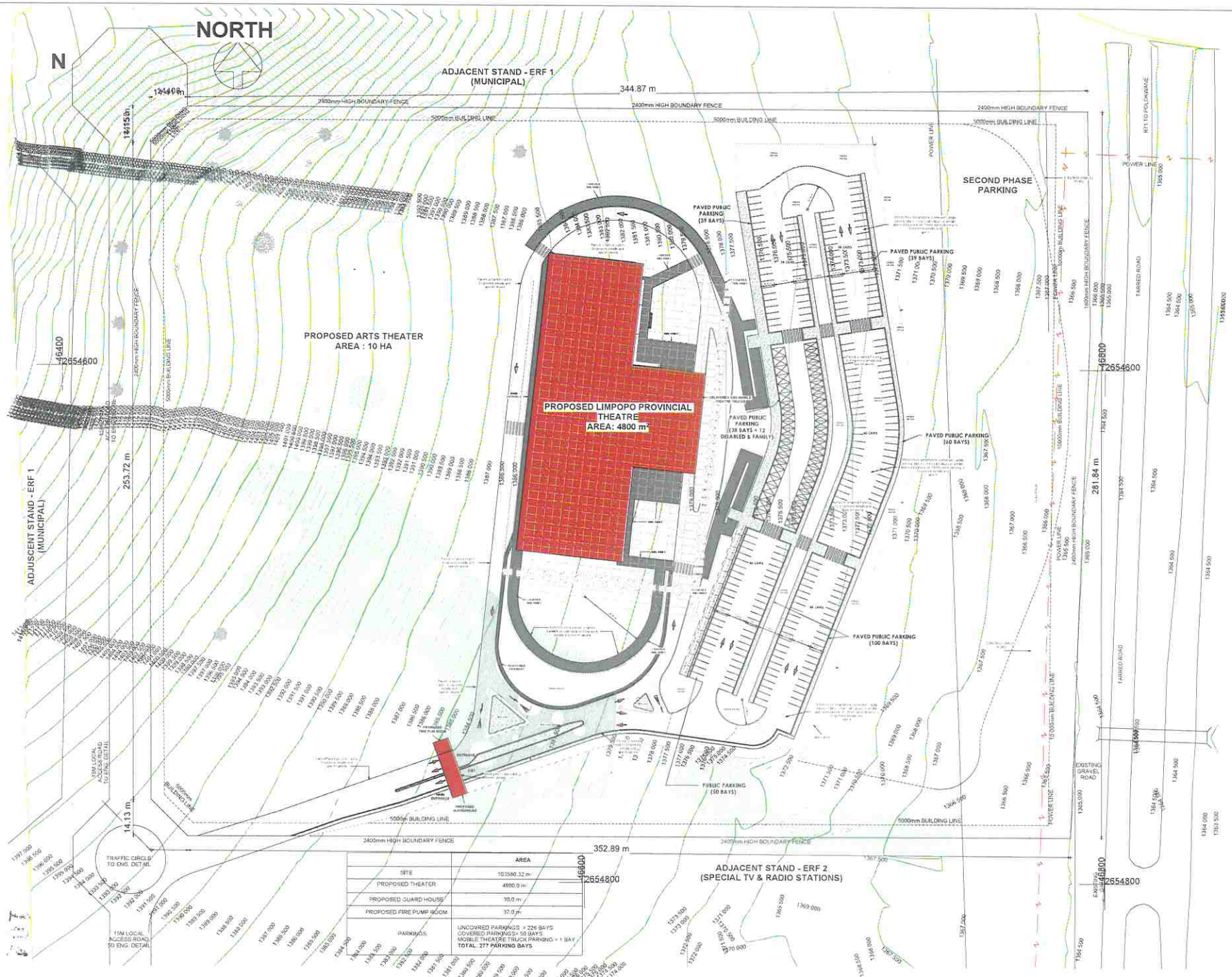
CHECKED BY: BC

SCALE: AS SHOWN

DRAWING NUMBER: ACE-LPT-DWG-R/B CF

REV: 00

WORK STAGE: DETAILED DESIGN STAGE 04



	AREA
SITE	103580.32 m²
PROPOSED THEATER	4800.0 m²
PROPOSED GUARD HOUSE	30.0 m²
PROPOSED FIRE PUMP ROOM	37.0 m²
PARKINGS	UNCOVERED PARKINGS = 226 BAYS COVERED PARKINGS= 50 BAYS MOBILE THEATRE TRUCK PARKING = 1 BAY TOTAL: 277 PARKING BAYS

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

ACE Architects and Civil Engineers cc

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

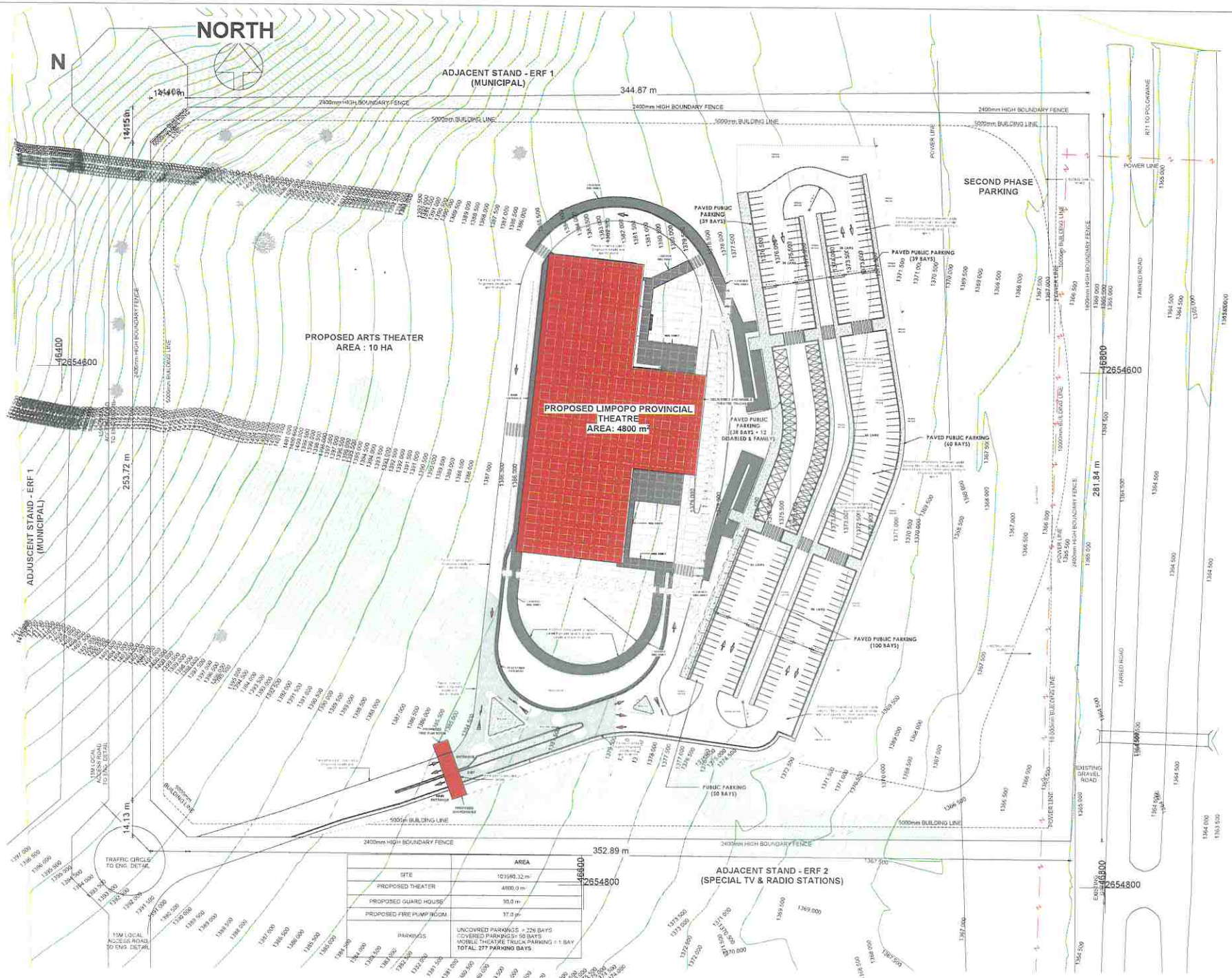
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE

PROJECT:

CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER:	ACE-LT-21-
RTEFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	15-06 -2023
TITLE:	PROPOSED LIMPOPO PROVINCIAL THEATRE
SHEET CONTENT:	SITE PLAN
DRAWN BY:	A.M
CHECKED BY:	T.N
SCALE:	1/500
DRAWING NUMBER: ACE-LPT-DWG-101	REV 03
WORK STAGE:	DESIGN DEVELOPMENT (WORK STAGE 4)



	AREA
SITE	103980.32 m²
PROPOSED THEATER	4800.0 m²
PROPOSED GUARD HOUSE	30.0 m²
PROPOSED FIRE PUMP ROOM	37.0 m²
PARKINGS	UNCOVERED PARKINGS = 226 BAYS COVERED PARKINGS= 50 BAYS MOBILE THEATRE TRUCK PARKING = 1 BAY TOTAL: 277 PARKING BAYS.

1 Site
1 : 500

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

ekl Architects and Civil Engineers cc

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
03	[illegible]	[illegible]
02	[illegible]	[illegible]
01	[illegible]	[illegible]
00	[illegible]	[illegible]

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: ACE-LT-21-

RTEFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 15-06 -2023

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: SITE PLAN

DRAWN BY: A.M

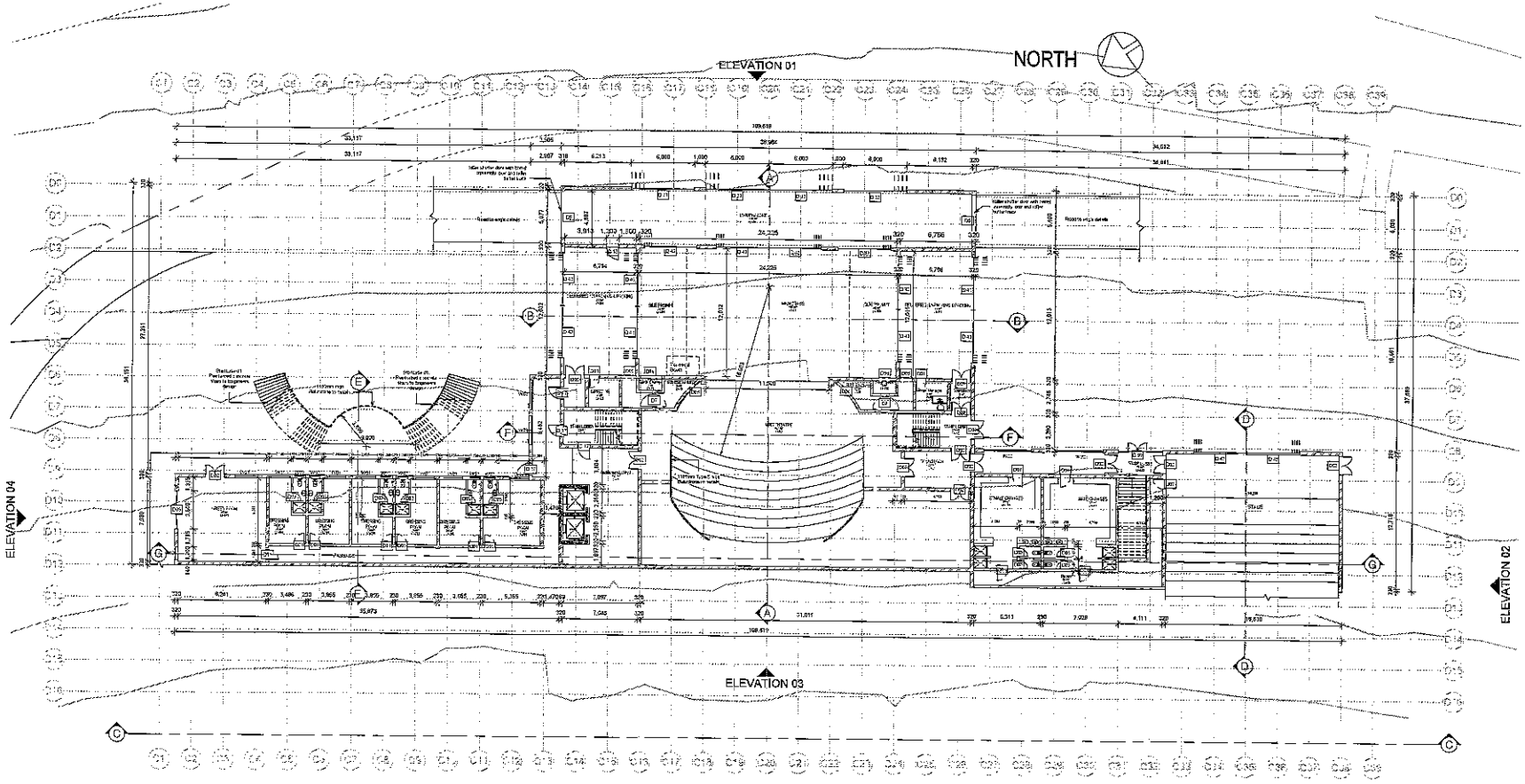
CHECKED BY: T.N

SCALE: 1/500

DRAWING NUMBER: ACE-LPT-DWG-101

REV: 03

WORK STAGE: DESIGN DEVELOPMENT (WORK STAGE 4)



1 Level 1381.5m
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

BCN	DESCRIPTION	DATE
06	- DESIGN	2023/09/01
07	- GENERAL REVISION	2023/09/05
08	- APRON REVISED ADJUSTED OPEN SPACE LAYOUT	2023/09/06
09	- ROOF REVISION	2023/09/07
10	- ROOF REVISION	2023/09/08
11	- DOOR SCHEDULE ADJUSTED OPEN SPACE LAYOUT UPDATED	2023/09/14
12	- GENERAL UPDATES	2023/09/17

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER:
LDPWRI-10/11/LR

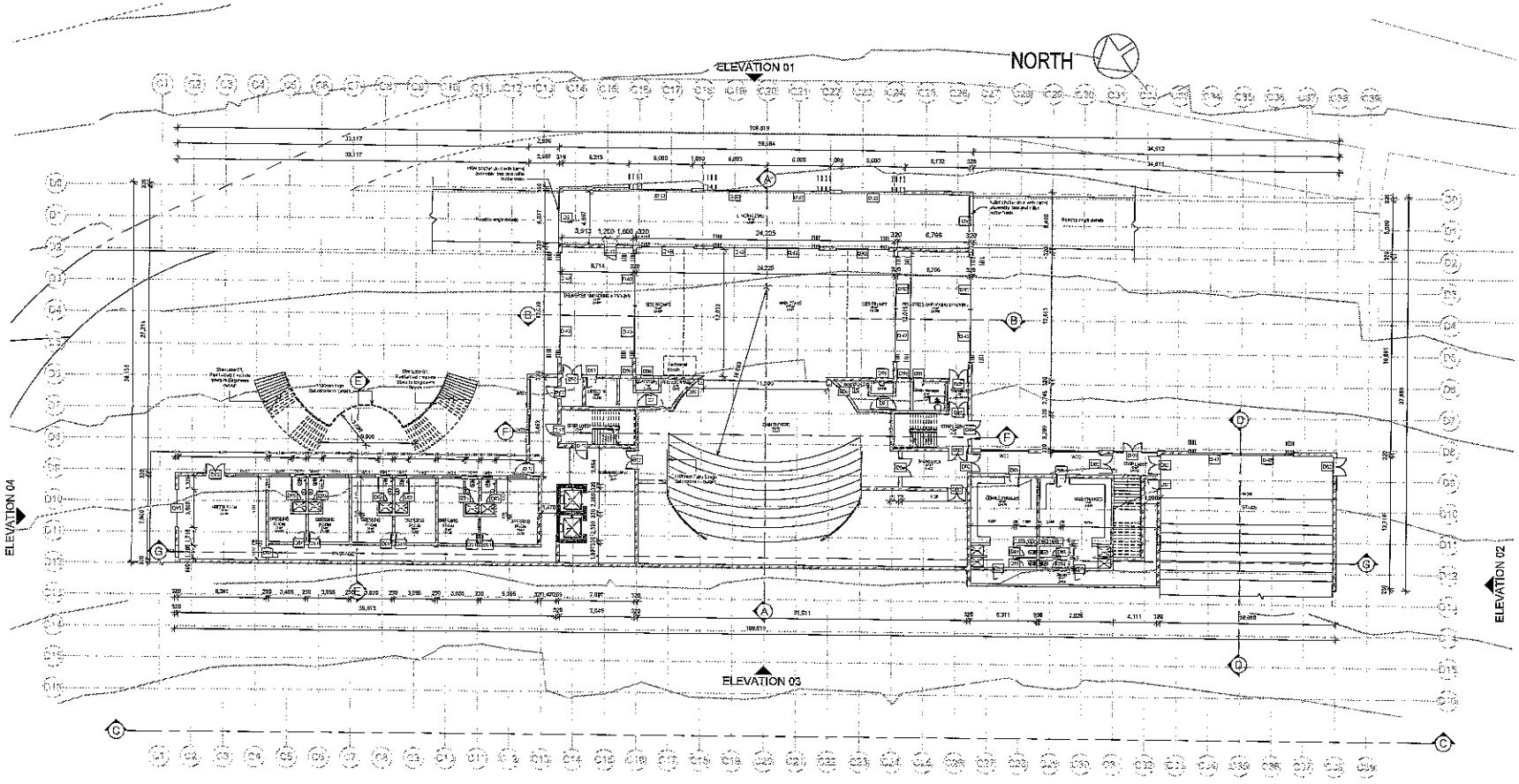
PROJECT NUMBER:
TBA

DATE:
14-09-2023

TITLE:
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT:
FLOOR PLAN LEVEL 1381.5m

DRAWN BY:	GM
CHECKED BY:	TN
SCALE ON A0:	1 : 150
DRAWING NUMBER: ACE-LPT-DWG-111	REV 05
WORK STAGE:	(STAGE 04)



1 Level 1381.5m
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

REV.		DESCRIPTION	DATE
00	-	DESIGN	23/10/2023
01	-	GENERAL FLOOR	20/11/2023
02	-	ARTICULATED JOINT PER CIVIL SPECIFICATION	20/11/2023
03	-	ROOF REVISION	30/11/2023
05	-	ROOF REVISION	20/12/2023
06	-	DESIGN AMENDMENTS AS PER SPECIFICATION	20/12/2023
08	-	GENERAL RE ISSUE	20/12/2023

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRS-1001/UR

PROJECT NUMBER: TBA

DATE: 14-06-2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: FLOOR PLAN LEVEL 1381.5m

DRAWN BY:	GM
CHECKED BY:	TN
SCALE ON A0:	1 : 150
DRAWING NUMBER: ACS-LPT-DWG-111	REV 08
WORK STAGE	(STAGE 04)

ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECTS ATTENTION

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

DATE	AMENDMENTS	BY/CHK

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPENG, POLOKWANE/SEKHUKHUNE DISTRICT MUNICIPALITY

REFERENCE NUMBER LDPW/88-19/11/18

PROJECT NUMBER TBA

DATE 14-05-2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
FLOOR PLAN FOR INFORMATION LEVEL 1381.5m

DRAWN BY	GM
CHECKED BY	TN
SCALE ON A0	1 : 150
DRAWING NUMBER	REV
A1-EXPT-DWG-1101	04

WORK STAGE (STAGE 04)

ELEVATION 01

ELEVATION 02

ELEVATION 03

ELEVATION 04

NORTH

1375.000 1375.500 1376.000 1376.500 1377.000 1377.500 1378.000 1378.500 1379.000 1379.500 1380.000 1380.500 1381.000 1381.500 1382.000 1382.500 1383.000 1383.500 1384.000 1384.500 1385.000 1385.500 1386.000 1386.500 1387.000

-265460.01 -46600

1 Level 1381.5m
1 : 150

ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE

LOCALITY PLAN

CONSULTANT

CLIENT

LIMPOPO

DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT

LIMPOPO PROVINCIAL GOVERNMENT

REPUBLIC OF SOUTH AFRICA

NO.	AMENDMENT	DATE
01	FOR PRICING / CONSTRUCTION	14-05-2023

PROJECT TITLE

CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER LDPWR-15110.R

PROJECT NUMBER TBA

DATE 14-05-2023

TITLE

LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT

FLOOR PLAN FOR INFORMATION LEVEL 1381.5m

DRAWN BY	GM
CHECKED BY	TN
SCALE ON A0	1 : 150
DRAWING NUMBER	REV
AC-SLP-DWG-11111	06
WORK STAGE	(STAGE 04)

ELEVATION 01

ELEVATION 02

ELEVATION 03

ELEVATION 04

NORTH

1378.000

1377.500

1377.000

1376.500

1376.000

1375.000

1378.500

1379.000

1379.500

1380.000

1380.500

1381.000

1381.500

1382.000

1382.500

1383.000

1383.500

1384.000

1384.500

1385.000

1385.500

1386.000

1386.500

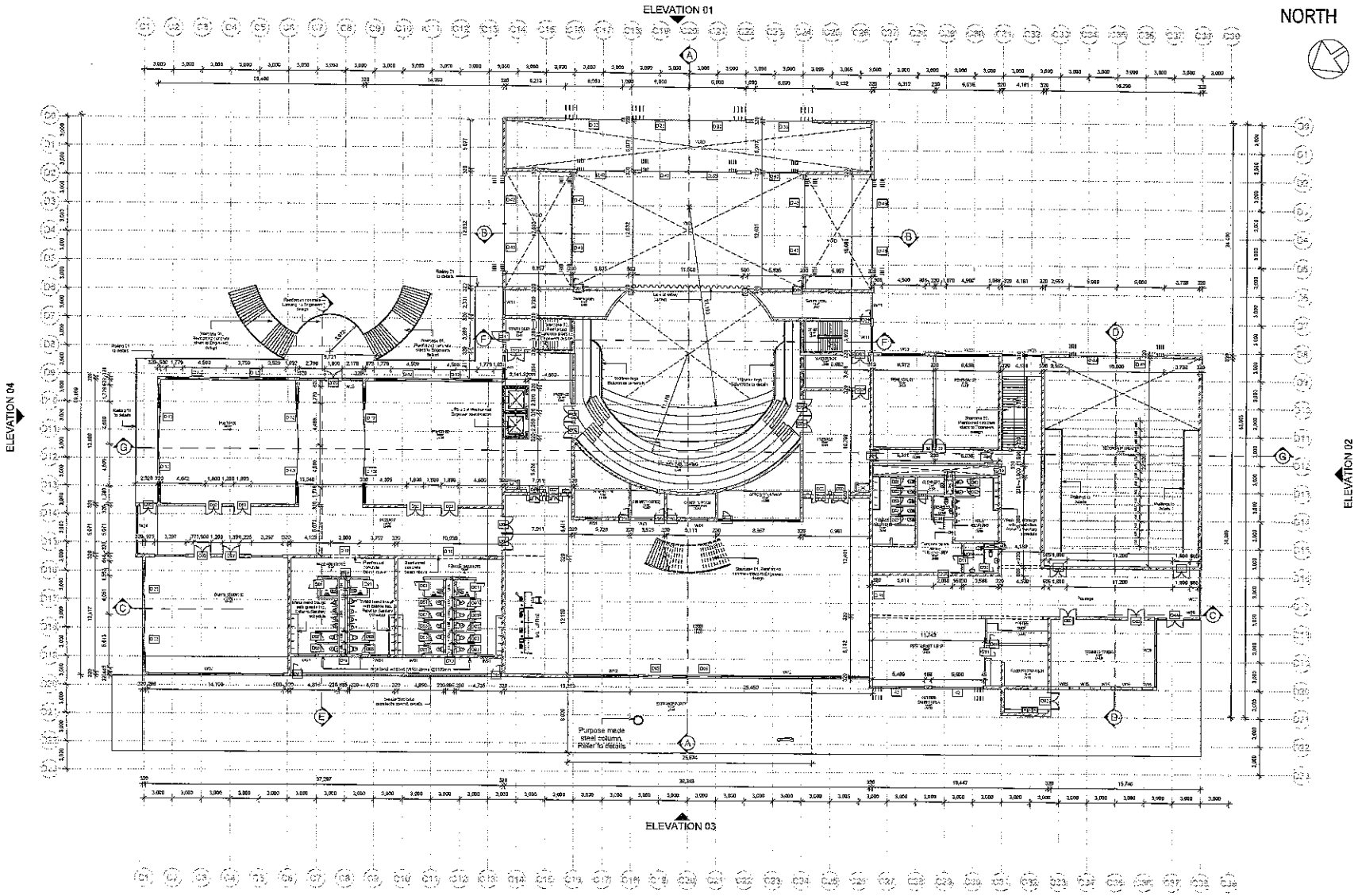
1387.000

-46600

-26546600

1 Level 1381.5m

1 : 150



1 Level 1385.0m
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV	DESCRIPTION	DATE
00	- ISSUED	14/05/2023
01	- ISSUED FOR RE SUBMISSION	2023/08/04
02	- ISSUED FOR SUBMISSION (AMENDMENTS)	2023/09/08
03	- ISSUED FOR SUBMISSION	2023/10/02
04	- ISSUED FOR SUBMISSION	2023/10/19
05	- DOOR AND WINDOWS LAYOUT AMENDED	2023/12/04
06	- ISSUED FOR TENDER	2024/03/15

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/11/R

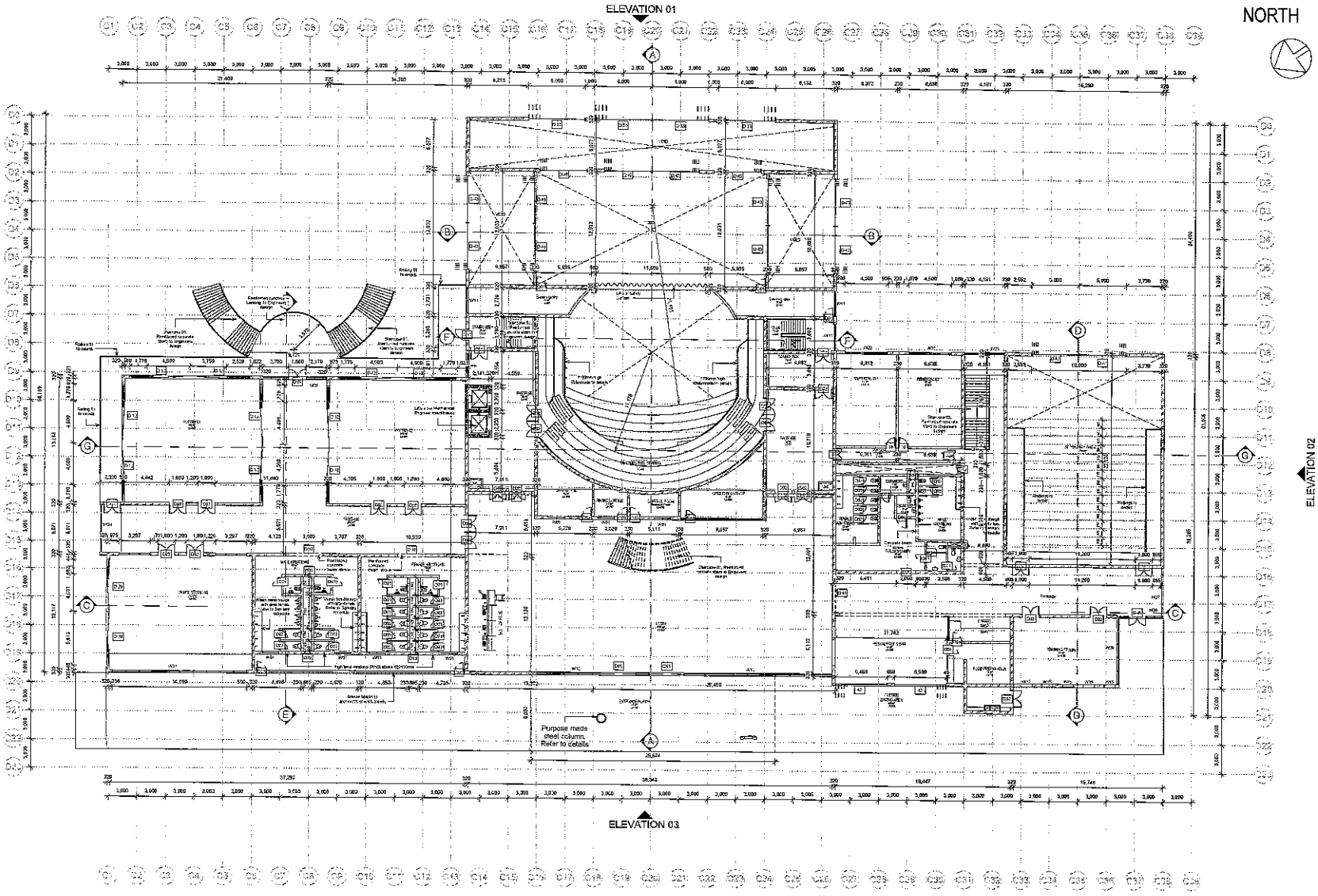
PROJECT NUMBER: TBA

DATE: 14-05-2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: FLOOR PLAN LEVEL 1385.0m

DRAWN BY:	GM
CHECKED BY:	EN
SCALE ON A0:	1 : 150
DRAWING NUMBER: ACE-LPT-DWG- 112	REV 06
WORK STAGE	(STAGE 04)



1 Level 1385.0m
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV.		DESCRIPTION	DATE
09	-	ISSUED	10/05/2023
01	-	TENDER RE ISSUE	28/07/2023
02	-	AFRICAN HOUSED SCHOOL CIVIL CONSULTANT	25/10/2023
03	-	ROOF REVISION	27/10/2023
04	-	ROOF REVISION	29/10/2023
05	-	DOOR AND WINDOWS SCHEDULE UPDATED	29/10/2023
06	-	GENERAL RE ISSUE	29/10/2023

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER:
LDPWRS-19/11/1/R

PROJECT NUMBER:
TBA

DATE:
14-06-2023

TITLE:
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT:
FLOOR PLAN LEVEL 1385.0m

DRAWN BY:	GM
CHECKED BY:	EN
SCALE ON A0:	1 : 150
DRAWING NUMBER: ACSUPT-DWG- 112	REV 06
WORK STAGE:	(STAGE 04)

ALL REFERENCES TO BE BROUGHT TO ARCHITECTS ATTENTION

ALL DIMENSIONS TO BE CONFIRMED ON SITE

LOCALITY PLAN

CONSULTANT

CLIENT

LIMPOPO
PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT

LIMPOPO
PROVINCIAL GOVERNMENT
Department of
SPORT, ARTS & CULTURE

NO.	AMENDMENT	DATE
1		
2		

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SAKGONE, MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER
LDPW/RM/101/11/R

PROJECT NUMBER
TBA

DATE
19-JAN-2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
FLOOR PLAN - INFORMATION
LEVEL 1385.0m

DRAWN BY
CM

CHECKED BY
EH

SCALE ON A3
1 : 150

DRAWING NUMBER
ACE-LPT-DWG- 1101

REV
06

WORK STAGE
(STAGE 04)

NORTH

ELEVATION 01

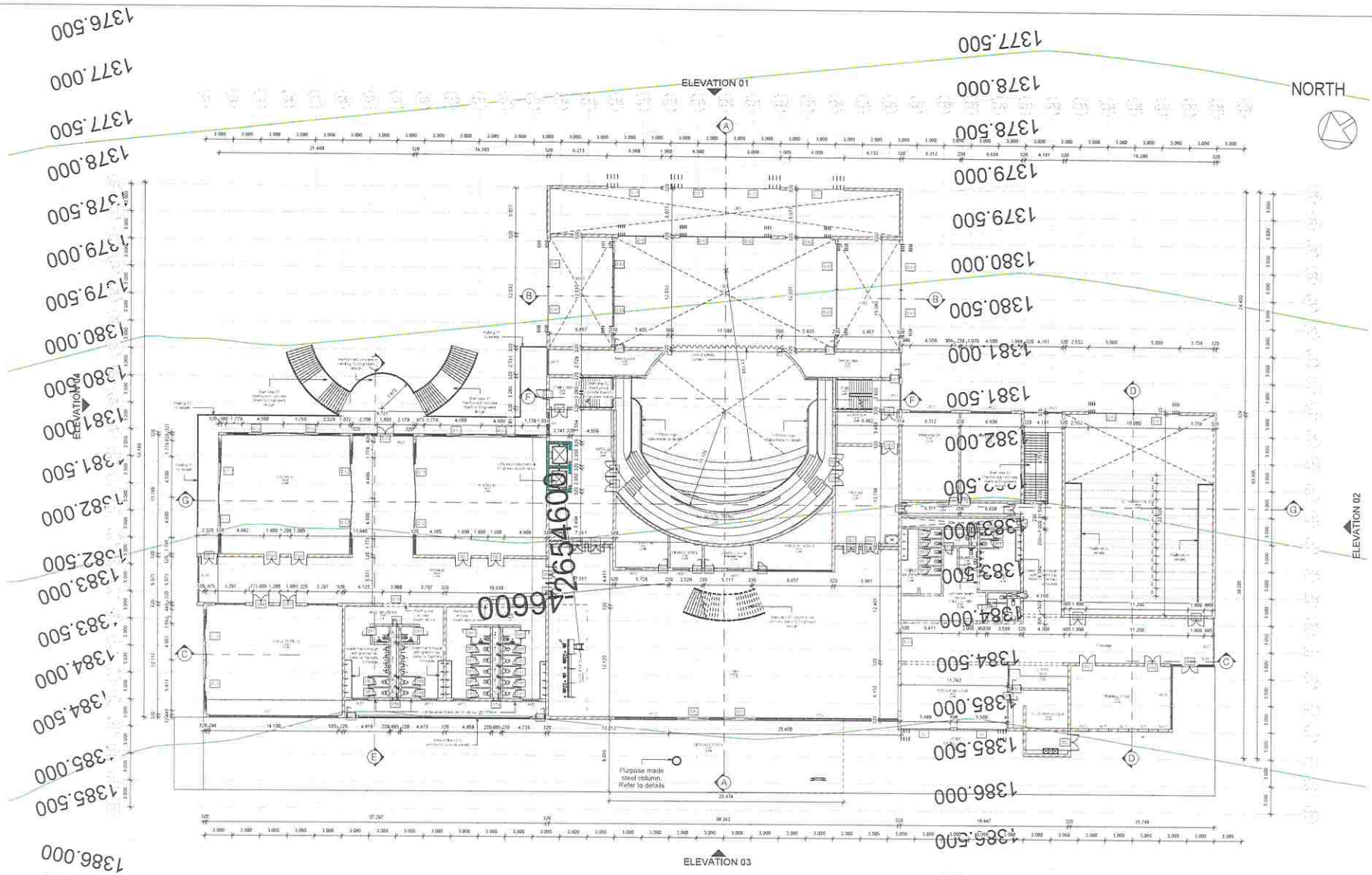
ELEVATION 02

ELEVATION 03

ELEVATION 04

Purpose made steel column. Refer to details

1 Level 1385.0m
1 : 150



- ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.
- ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

NO.	AMENDMENT	DATE
01		

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER: LDPWRI-10/11/19

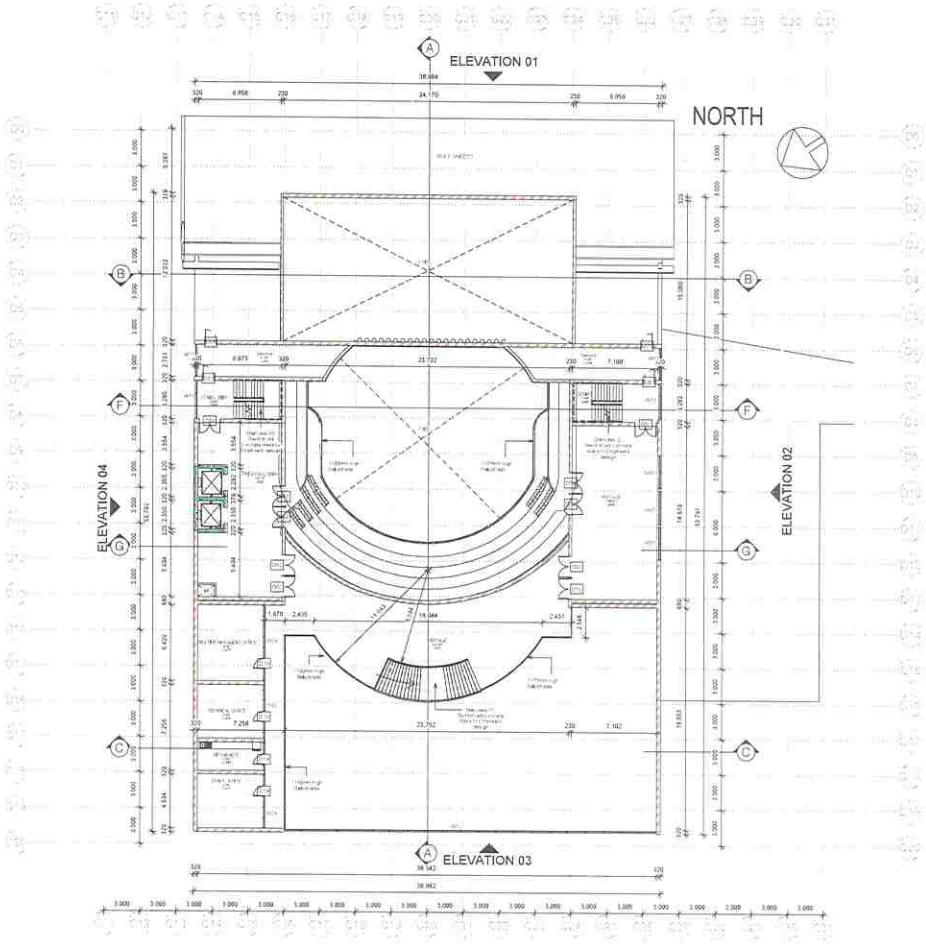
PROJECT NUMBER: TBA

DATE: 19-05-2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: FLOOR PLAN - INFORMATION LEVEL 1385.0m

DRAWN BY	GM
CHECKED BY	EN
SCALE ON A0	1 : 150
DRAWING NUMBER: ACE-LPT-DWG- 1121	REV: 06
WORK STAGE:	(STAGE 04)



1 Level 1388.5m
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of
SPORT, ARTS & CULTURE

REV	NO	DESCRIPTION	DATE
01	1	CONCEPT	22/05/23
02	1	GENERAL FC REVIEW	23/08/23
03	1	REVISION TO CONCEPT DESIGN	29/09/23
04	1	FEASIBILITY REVISION	20/10/23
05	1	FEASIBILITY REVISION	25/10/23
06	1	REVISION TO CONCEPT DESIGN	27/10/23
07	1	GENERAL FC REVIEW	17/11/23

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER:
LDPWRI-1931/18

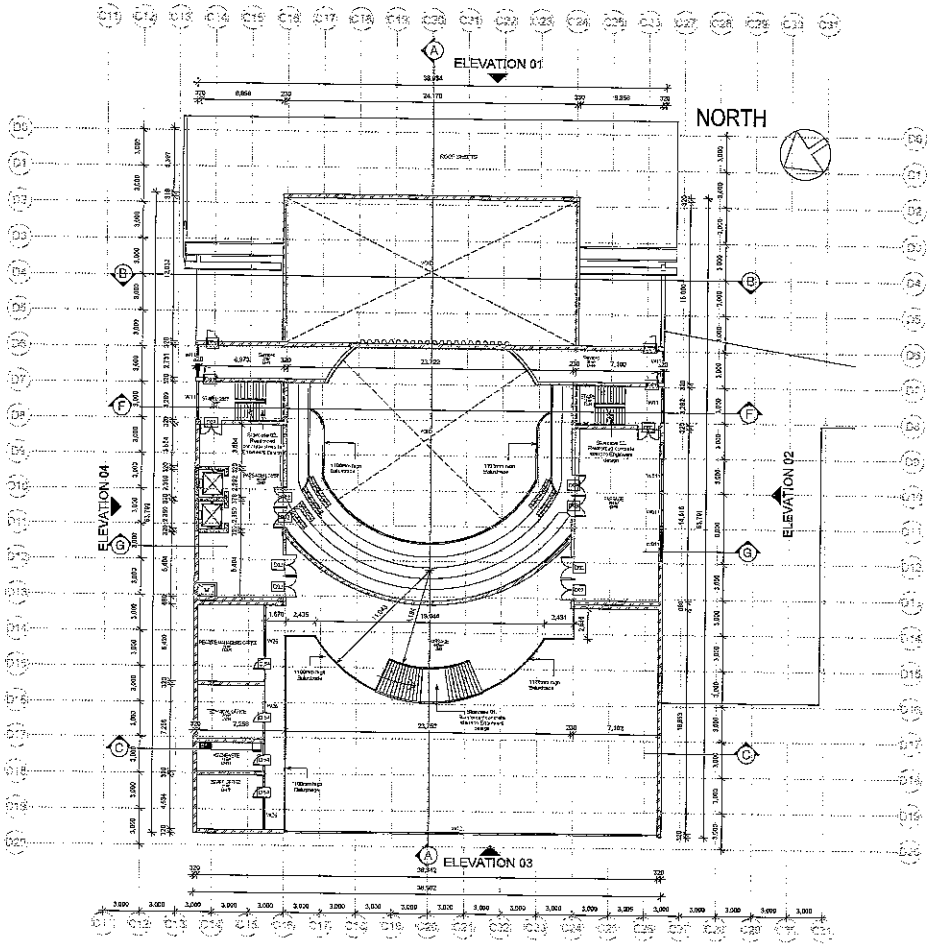
PROJECT NUMBER:
TBA

DATE: 17-06-2023

TITLE:
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT:
FLOOR PLAN LEVEL 1388.5m

DRAWN BY:	GM
CHECKED BY:	TN
SCALE ON A0:	1 : 150
DRAWING NUMBER: ACEL-PT-DWG-113	REV: 06
WORK STAGE:	(STAGE 04)



1 Level 1388.5m
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

ITEM	DESCRIPTION	DATE
01	* ISSUED FOR TENDER	2023/10/27
02	* ISSUED FOR TENDER	2023/10/31
03	* APPOINTMENT OF CONTRACTOR	2024/01/31
04	* ROOF REVISION	2023/12/07
05	* ROOF REVISION	2023/12/08
06	* DOOR AND WINDOWS LAYOUT UPDATES	2024/03/14
07	* HONEYCOMB TEXTURE	2024/04/15

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SEKHUNE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER:
LDPWRI-1011/18

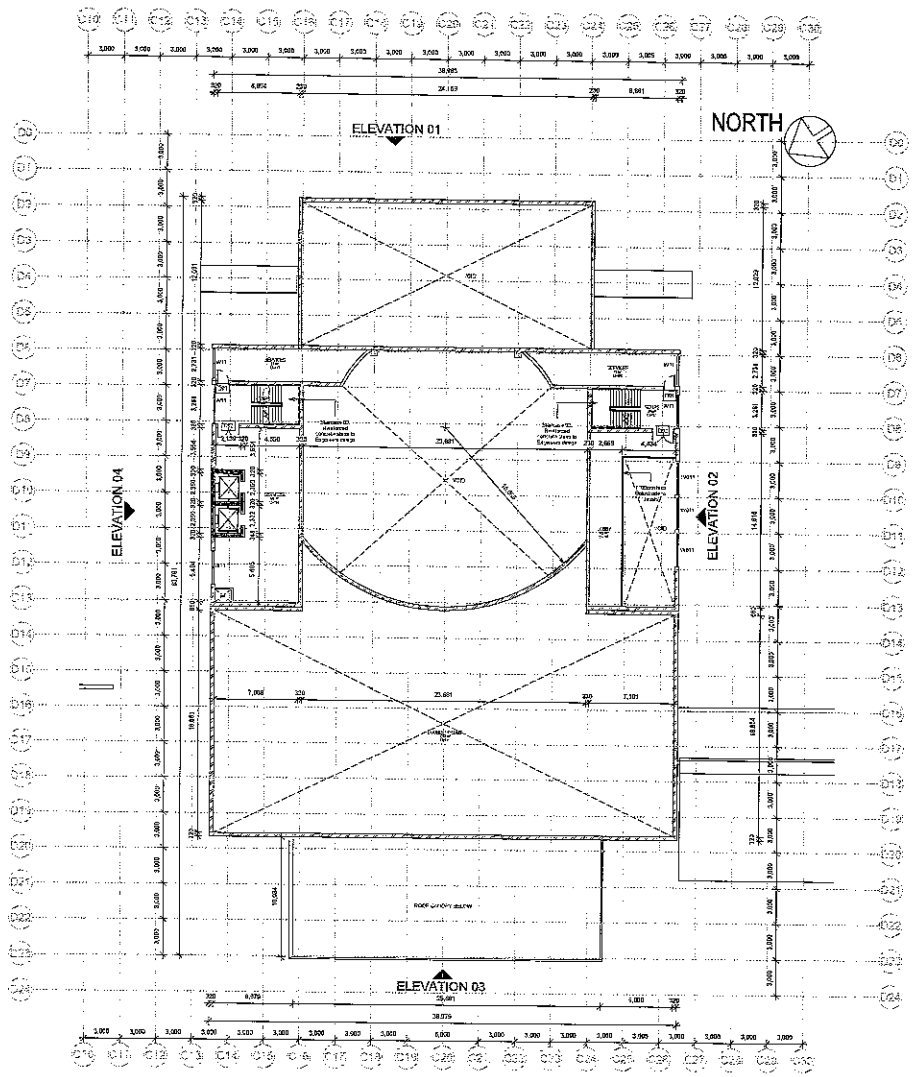
PROJECT NUMBER:
TBA

DATE: 17-06-2023

TITLE:
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT:
FLOOR PLAN LEVEL 1388.5m

DRAWN BY:	GM
CHECKED BY:	TN
SCALE ON A0:	1 : 150
DRAWING NUMBER: ACE-LPT-DWG-113	REV 06
WORK STAGE	(STAGE 04)



1 LEVEL 1392.0m
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECT'S ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	- DRAFT	2022/03/07
01	- GENERAL PE REVIEW	2022/05/24
02	- SITE DEVELOPMENT PLAN & SITE LAYOUT	2022/07/01
03	- ROOF REVISION	2022/08/02
04	- ROOF REVISION	2022/08/09
05	- DOOR AND WINDOWS LAYOUT UPDATED	2022/09/14
06	- GENERAL PE REVIEW	2022/09/20

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER:
LDPWRI-10/17/R

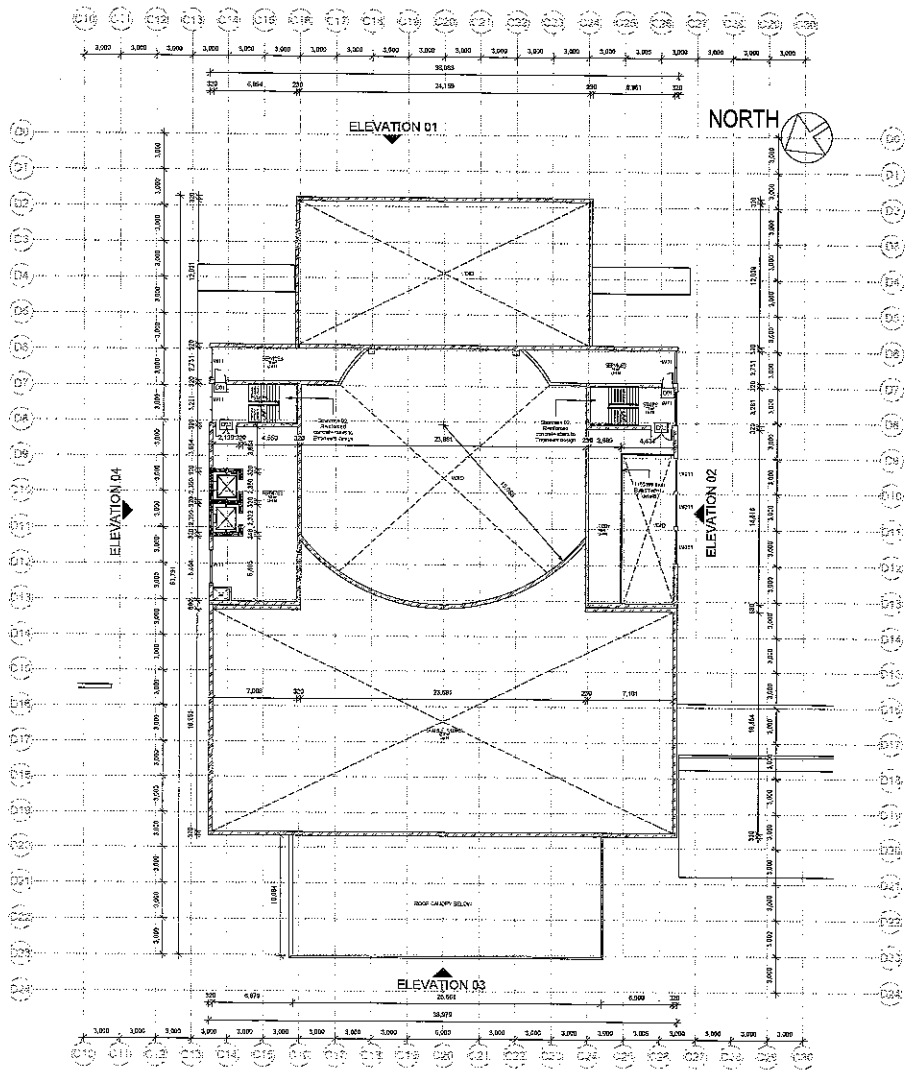
PROJECT NUMBER:
TBA

DATE:
17-06-2023

TITLE:
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT:
FLOOR PLAN LEVEL 1392.0m

DRAWN BY:	GM
CHECKED BY:	TN
SCALE ON A0:	1 : 150
DRAWING NUMBER: ACE-LPT-DWG-114	REV 05
WORK STAGE	(STAGE 04)



1 LEVEL 1392.0m
1 : 150

-ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECT'S ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	- DESIGN	
01	- GENERAL FP 100%	
02	- ROOF REVISION	
03	- ROOF REVISION	
04	- ROOF REVISION	
05	- 2023 NHBRC WINDOWS UPDATE/REVISED	
06	- GENERAL FP 100%	

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/11/R

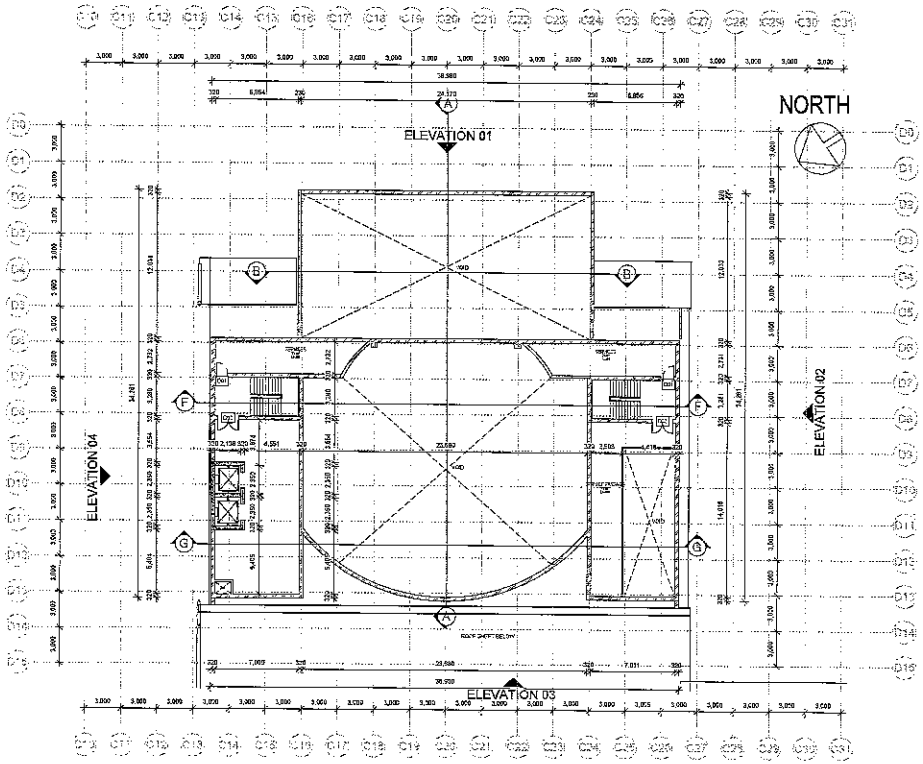
PROJECT NUMBER: TBA

DATE: 17-06-2023

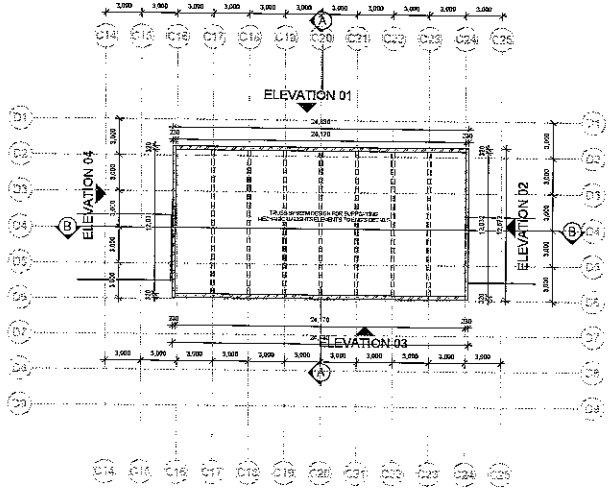
TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: FLOOR PLAN LEVEL 1392.0m

DRAWN BY:	GM
CHECKED BY:	TN
SCALE ON A0:	1 : 150
DRAWING NUMBER: ACE-LPT-DWG-114	REV 05
WORK STAGE	(STAGE 04)



1 LEVEL 1395.5m
1 : 150



2 LEVEL 1399.0m
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

REV.		DESCRIPTION	DATE
01	•	DESIGN	2022/09/
07	•	GENERAL PLAN SIGN	2022/09/2
10	•	APRON REVISED AFTER CIVIL ENGINEERING	2023/09/2
03	•	ROOF REVISION	2023/09/
05	•	ROOF REVISION	2023/09/
06	•	DOOR AND WINDOWS LAYOUT UPDATED	2023/09/
04	•	GENERAL RE SIGN	2023/09/

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER:
LDPWRI-10/01/R

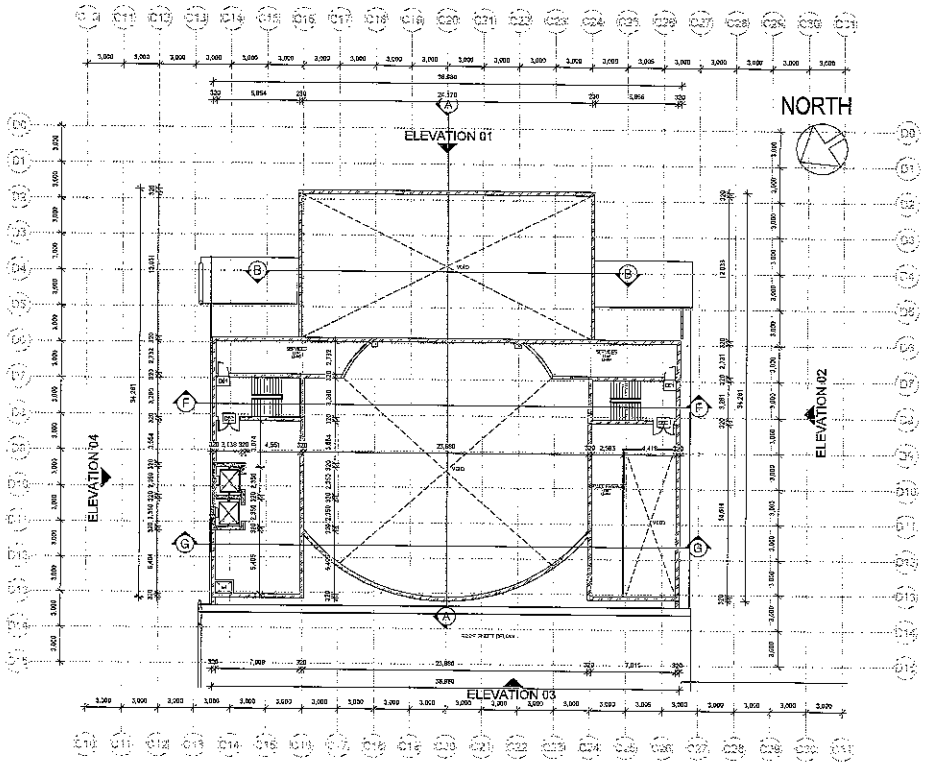
PROJECT NUMBER:
TBA

DATE:
14-06-2023

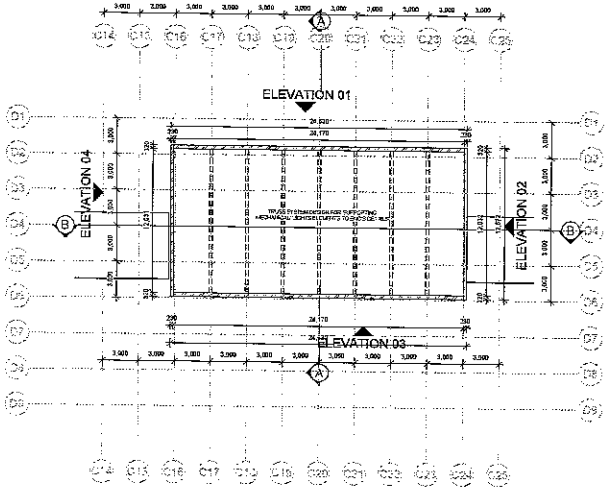
TITLE:
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT:
FLOOR PLAN LEVEL 1395.5m

DRAWN BY:	GM
CHECKED BY:	TN
SCALE ON A0:	1 : 150
DRAWING NUMBER: ACE-LPT-DWG- 115	REV 05
WORK STAGE	(STAGE 04)



1 LEVEL 1395.5m
1 : 150



2 LEVEL 1399.0m
1 : 150

ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
01	- TP/BM	2022/09/07
02	- SUBMISSION REV.	2022/10/19
03	- APPROVED/ISSUED WATER CIVIL DEPARTMENT	2022/11/28
04	- ROOF REVISION	2023/03/27
05	- ROOF REVISION	2023/04/24
06	- DOOR AND WINDOWS LAYOUT UPDATED	2023/04/14
07	- GENERAL REVISION	2023/04/27

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-40/21/LR

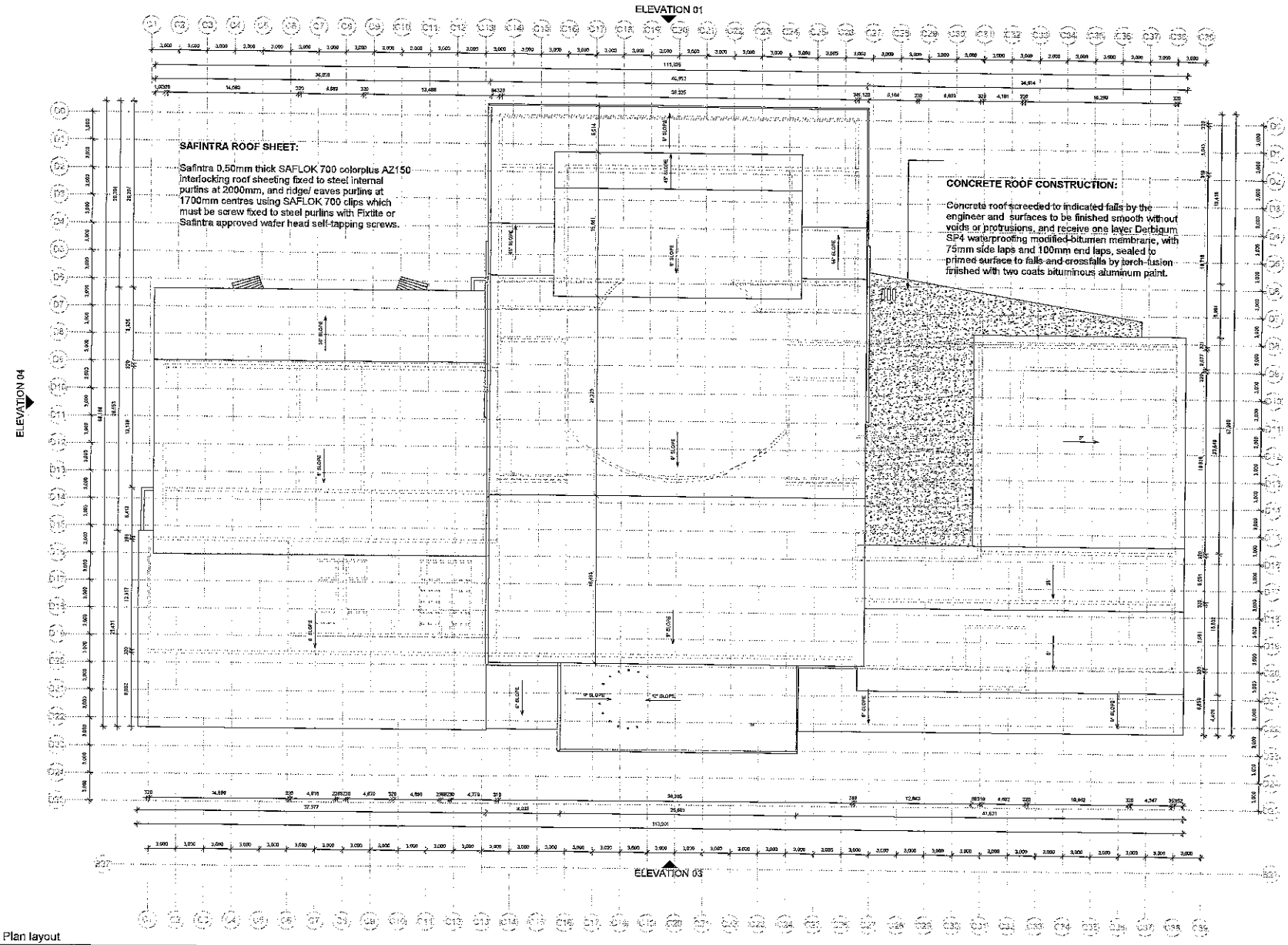
PROJECT NUMBER: TBA

DATE: 14-06-2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: FLOOR PLAN LEVEL 1395.5m

DRAWN BY:	GM
CHECKED BY:	TM
SCALE ON A0:	1 : 150
DRAWING NUMBER: ACE-LPT-DWG- 115	REV 09
WORK STAGE	(STAGE 04)



1 Roof Plan layout
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECT'S ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	- [illegible]	[illegible]
01	- [illegible]	[illegible]
02	- [illegible]	[illegible]
03	- [illegible]	[illegible]
04	- [illegible]	[illegible]
05	- [illegible]	[illegible]
06	- [illegible]	[illegible]
07	- [illegible]	[illegible]

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE/CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/11/0R

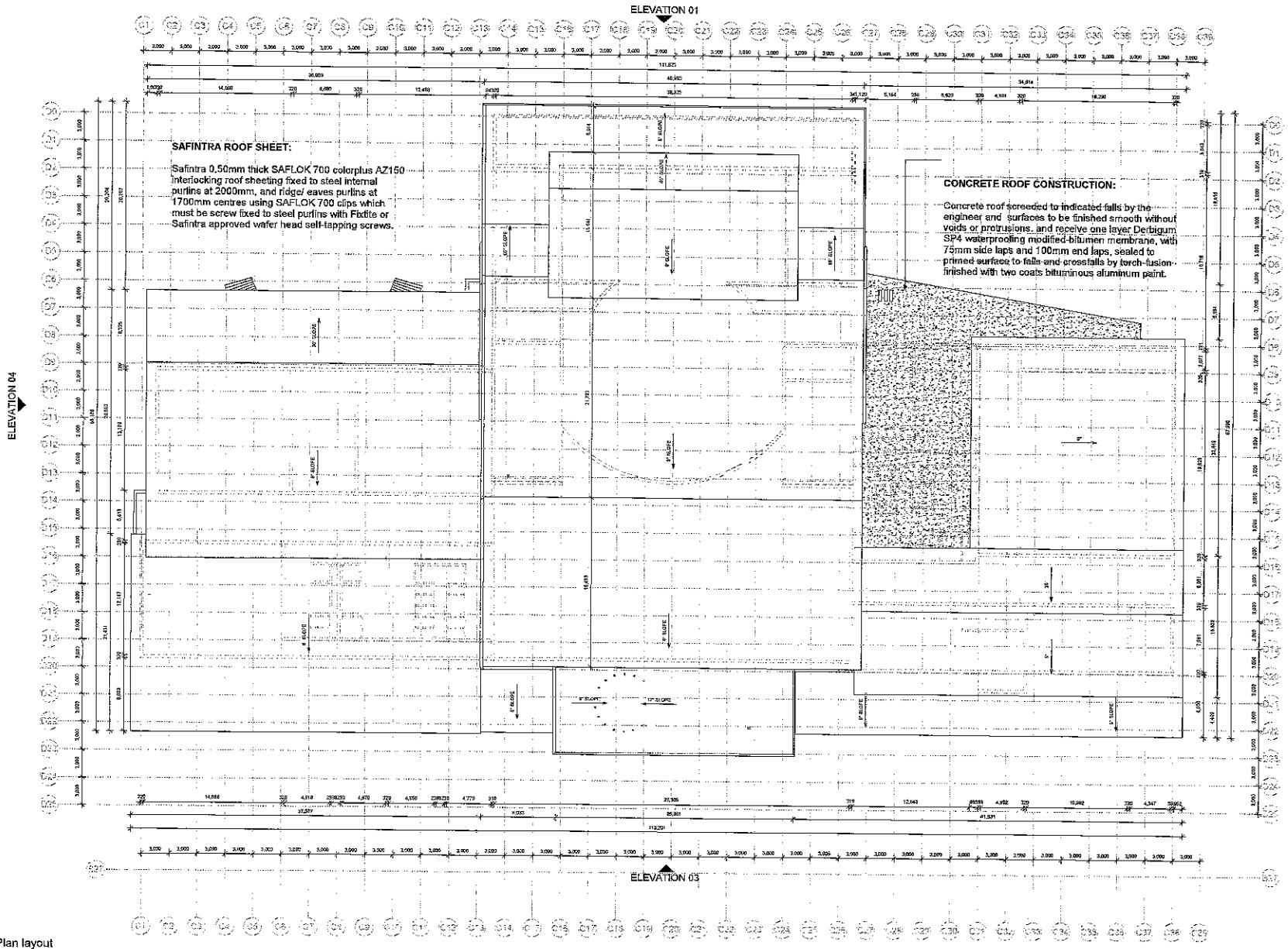
PROJECT NUMBER: TBA

DATE: 09-08-2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ROOF PLAN

DRAWN BY:	GM
CHECKED BY:	TN
SCALE ON A0:	1 : 150
DRAWING NUMBER: AC&A/PE-DWG-116	REV 05
WORK STAGE:	(STAGE 04)



1 Roof Plan layout
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	* DESIGN	28/03/2023
01	* GENERAL REVISION	05/05/2023
02	* APPLY REVISED ASPECT OF BLOCK D LAYOUT	26/05/2023
03	* ROOF REVISION	30/05/2023
04	* ROOF REVISION	29/06/2023
05	* DOOR AND WINDOWS LAYOUT UPDATED	18/07/2023
06	* HOSPITAL RE TOUCH	28/08/2023

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRS-19/11/R

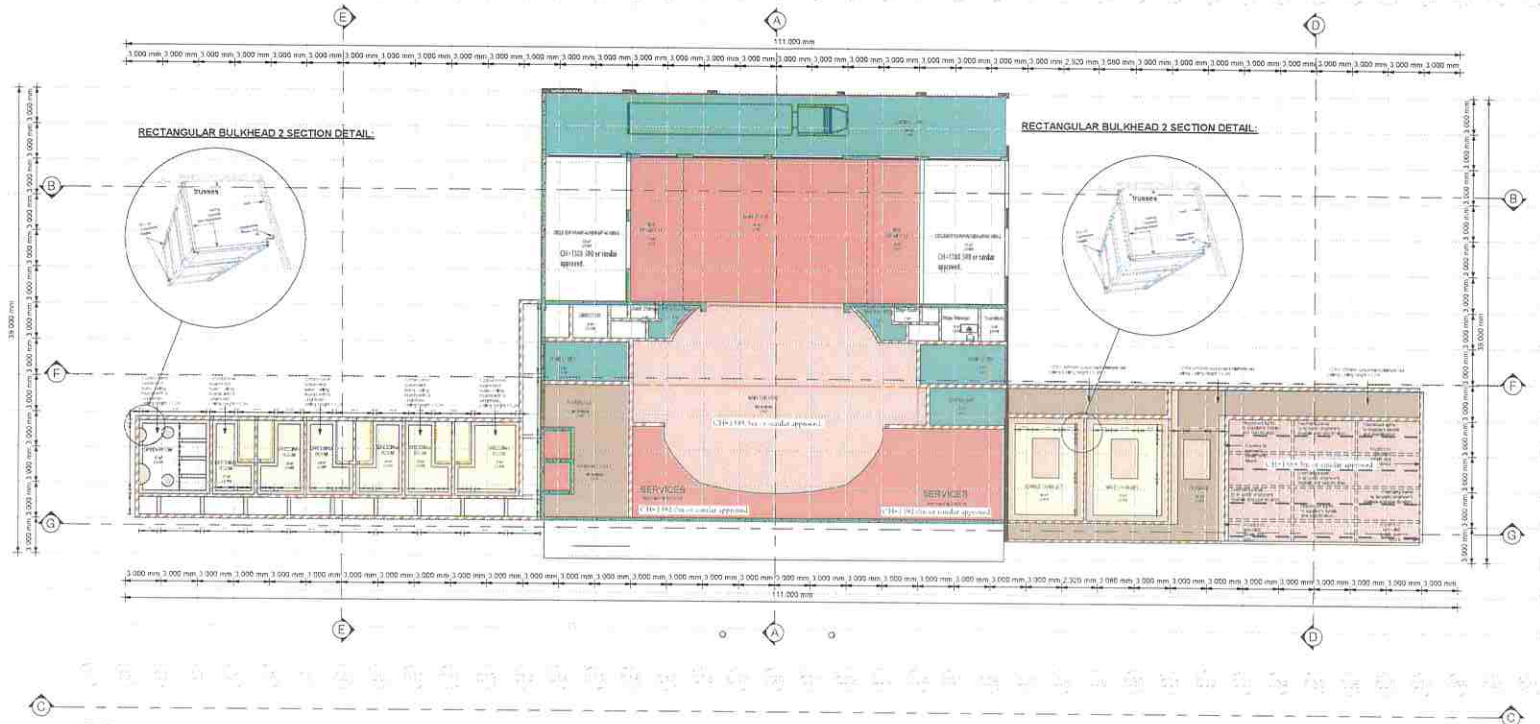
PROJECT NUMBER: YBA

DATE: 05-05-2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ROOF PLAN

DRAWN BY:	GM
CHECKED BY:	TN
SCALE ON A0:	1 : 150
DRAWING NUMBER: ACSLPT-DWG- 116	REV 06
WORK STAGE	(STAGE 04)



LEVEL 1381.5m CEILING LAYOUT
SCALE 1: 100

See attached drawings and specifications for your information.
Carpet Specification 1 (Auditorium): BILL OF QUANTITIES: · Belgotex BALTIMORE 4m broadloom is manufactured from Stainproof SDX & Stainproof Eco SDX Blend (Solution Dyed Nylon). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex recommends the use of carpet protector mats where castor wheels are used.

Carpet Specification 2 (All Offices):Belgotex Accelerate 50x50cm tiles are manufactured from Stainproof SDX (Solution Dyed nylon-6 for extreme conditions). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex Accelerate 50x50cm & 100x100cm tiles to be installed in the following directions: Tessellated, Ashlar, Random Ashlar, Brick, Monolithic, Colour Mix & Random. · Belgotex recommends the use of Carpet protector mats where castor wheels are used. · Green Tag A level plus certification · 15 Yr. Warranty & 5 Yr. Guarantee · Made in South Africa

LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0.90, CAC - 10dB, Fire classification A2-s1, d0, weight - 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT

03		
02		
01		

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER
LDPWRI-19/11/R

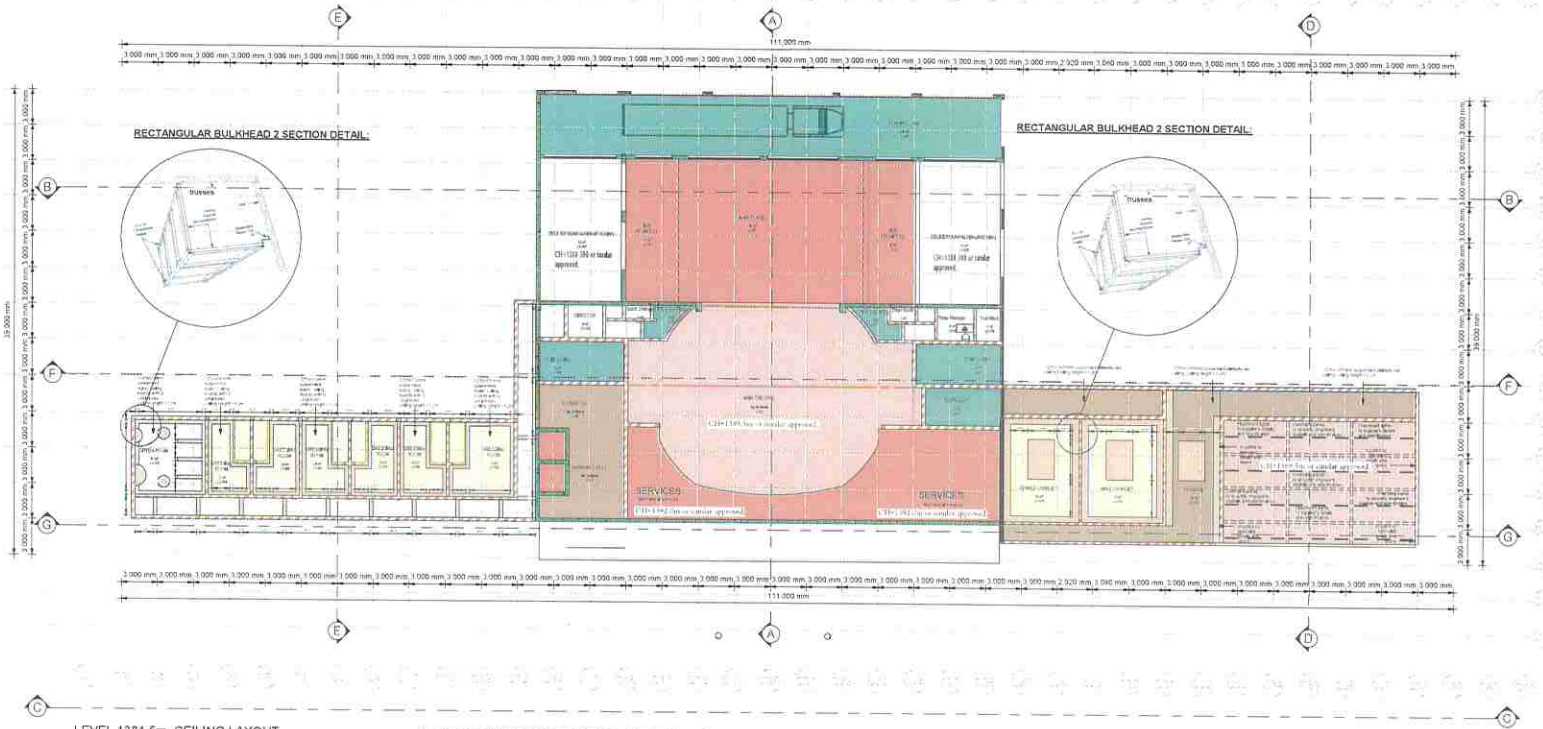
PROJECT NUMBER
TBA

DATE 26/05/2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
LEVEL 1381.5m CEILING PLAN

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER	ACE-LPT-DWG-121
REV	03
WORK STAGE	(STAGE 04)



LEVEL 1381.5m CEILING LAYOUT
SCALE 1: 100

See attached drawings and specifications for your information.
Carpet Specification 1 (Auditorium): BILL OF QUANTITIES: · Belgotex BALTIMORE 4m broadloom is manufactured from Stainproof SDX & Stainproof Eco SDX Blend (Solution Dyed Nylon). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex recommends the use of carpet protector mats where castor wheels are used.

Carpet Specification 2 (All Offices):Belgotex Accelerate 50x50cm tiles are manufactured from Stainproof SDX (Solution Dyed nylon-6 for extreme conditions). · This product is to be laid in accordance with the SANS 10186 fitting code of practice. · Belgotex Accelerate 50x50cm & 100x100cm tiles to be installed in the following directions: Tessellated, Ashlar, Random Ashlar, Brick, Monolithic, Colour Mix & Random. · Belgotex recommends the use of Carpet protector mats where castor wheels are used. · Green Tag A level plus certification · 15 Yr. Warranty & 5 Yr. Guarantee · Made in South Africa

LEGEND

1. - General areas- 1200X 600mm suspended plasterboad ceiling.
2. - setting out point
3. -600 x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4. - Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5. OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption)
   Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0.90, CAC - 30dB, Fire classification A2-s1, d0, weight - 3.5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct 53 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions.
   OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6. - suspended wooden panels mounted on metal suspension rail with clips.
7. - Painted concrete on underside of stair.
8. -Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

NO.	AMENDMENTS	DATE
01	[illegible]	[illegible]
02	[illegible]	[illegible]
03	[illegible]	[illegible]
04	[illegible]	[illegible]

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER: LDPWRS-1011/19

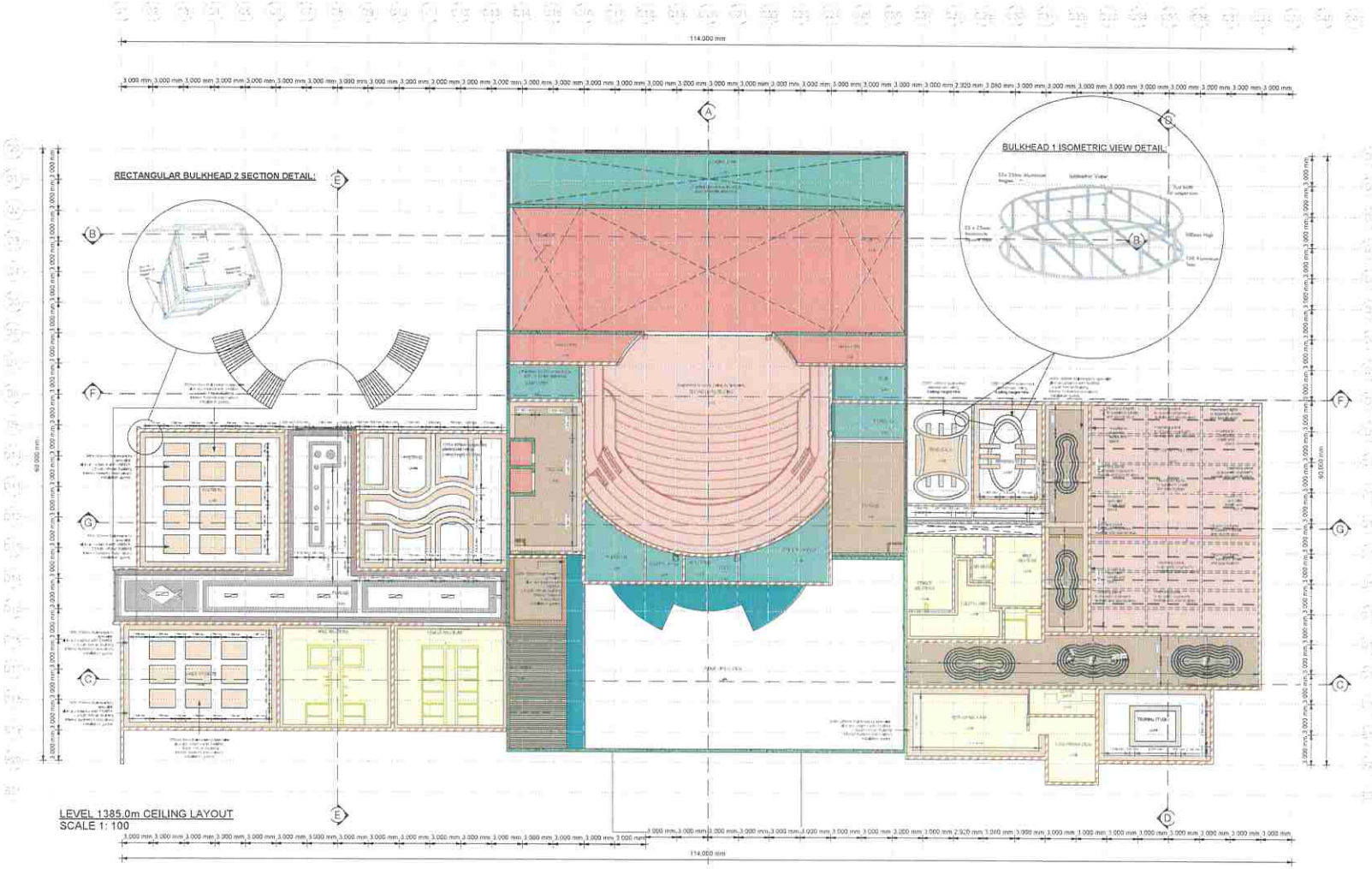
PROJECT NUMBER: TBA

DATE: 26/05/2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: LEVEL 1381.5m CEILING PLAN

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER: ACEX-PT-DWG-121	REV: 03
WORK STAGE: (STAGE 04)	



LEVEL 1385.0m CEILING LAYOUT
SCALE 1: 100

LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC = 0.90, CAC = 30dB, Fire classification A2-s1, d0, weight = 3.5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT

NO.	AMENDMENTS	DATE
01		
02		
03		
04		

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER
LDPWRI-15/1/1/R

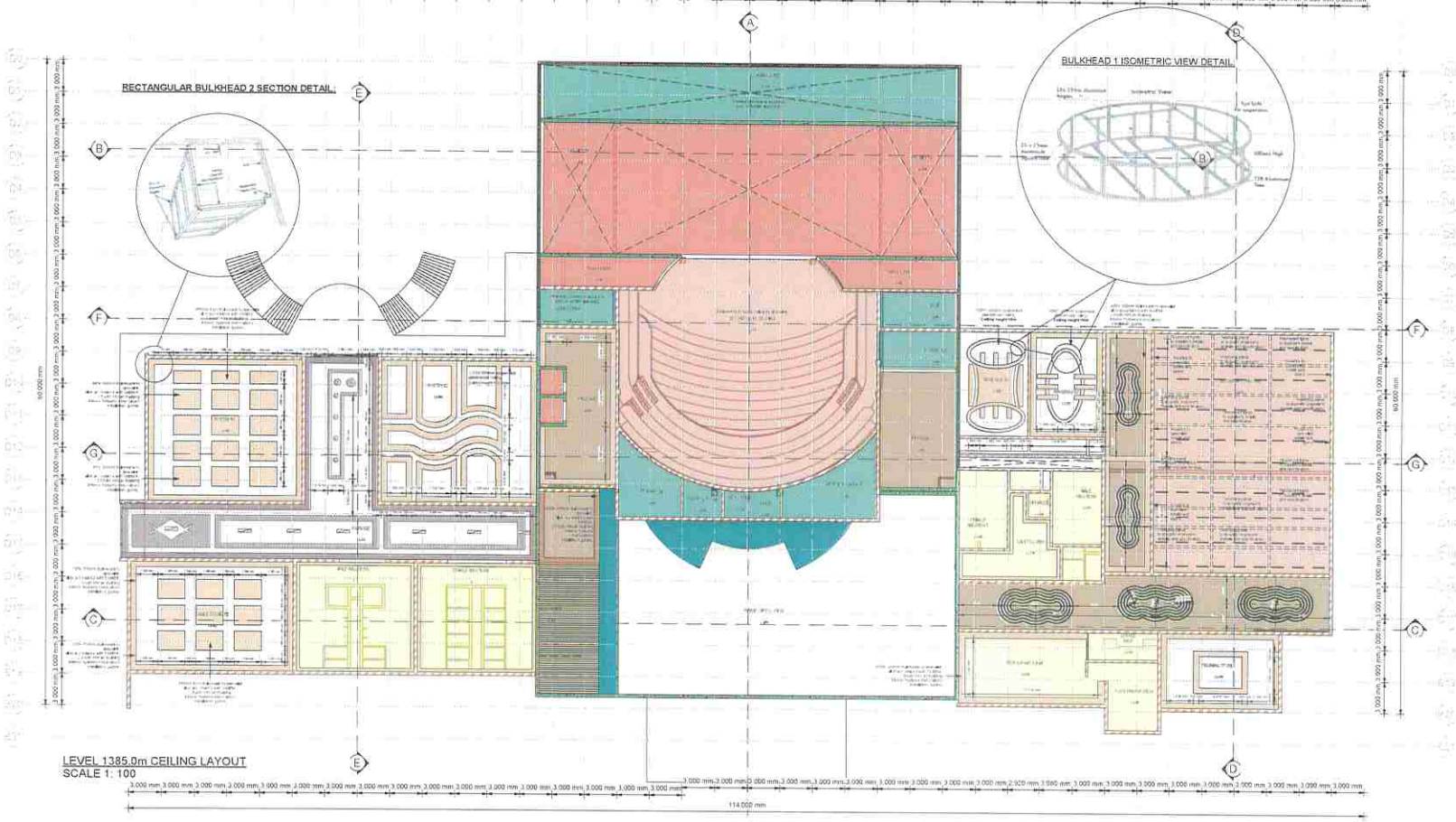
PROJECT NUMBER
TBA

DATE
29/05/2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
LEVEL 1385.0 CEILING LAYOUT

DRAWN BY	NS
CHECKED BY	TN
SCALE ON A0	1:100
DRAWING NUMBER	ACS-LPT-DWG-122
REV	03
WORK STAGE	(STAGE 04)



LEGEND

1.	- General areas- 1200X 600mm suspended plasterboad ceiling.
2.	- setting out point
3.	-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.	- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.	OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0,90, CAC - 35dB, Fire classification A2-s1, d0, weight - 3,5 kg/m², size 1200 x 600 x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.	- suspended wooden panels mounted on metal suspension rail with clips.
7.	- Painted concrete on underside of stair.
8.	-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees, Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

NOTE:

Cornice Spec,
*Powder coated aluminium shadowline strips.

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

DATE	DESCRIPTION	INITIALS
01	1 - STAGE 3	TC/JM/TN
02	TURNKEY - CHANGES AND CORRECTIONS AFTER STAGE 3 SUBMISSION	TC/JM/TN
03	ADDITIONAL - SUBMISSION AFTER STAGE 3	TC/JM/TN
04	ADDITIONAL - CHECK DRAWINGS AS PER THE APPLICABLE SANS 10400 PART XA (1990)	TC/JM/TN

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRS-10/1/1/19

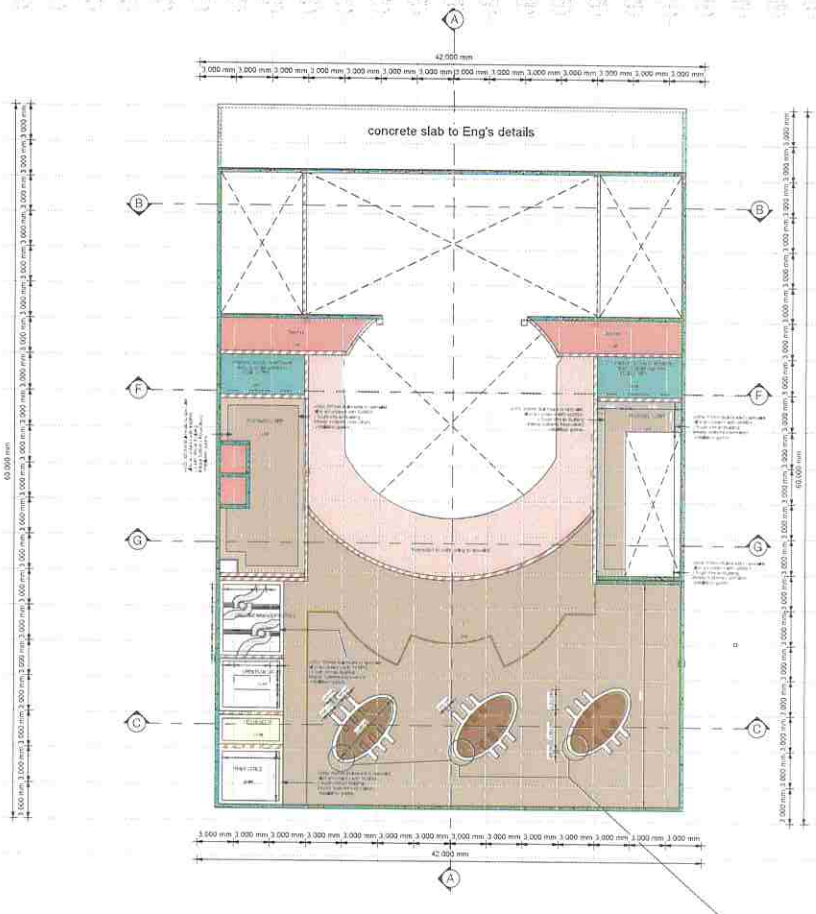
PROJECT NUMBER: TBA

DATE: 29/05/2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: LEVEL 1385.0 CEILING LAYOUT

DRAWN BY:	NS
CHECKED BY:	TN
SCALE ON A0:	1:100
DRAWING NUMBER: ACE-LPT-DWG-122	REV: 03
WORK STAGE:	(STAGE 04)



LEVEL 1388.5m CEILING LAYOUT
SCALE 1: 100

LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles, NRC - 0.90, CAC - 30dB, Fire classification A2-s1, d0, weight - 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, plugged and screwed at centres not exceeding 200mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

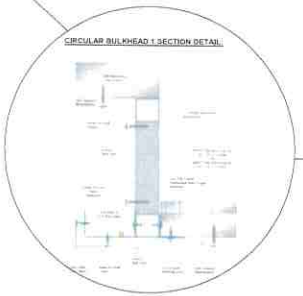
CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees. 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees. Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

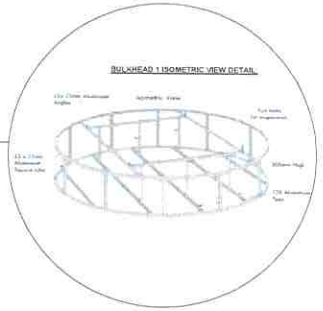
NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

CIRCULAR BULKHEAD 1 SECTION DETAIL



BULKHEAD 1 ISOMETRIC VIEW DETAIL



-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

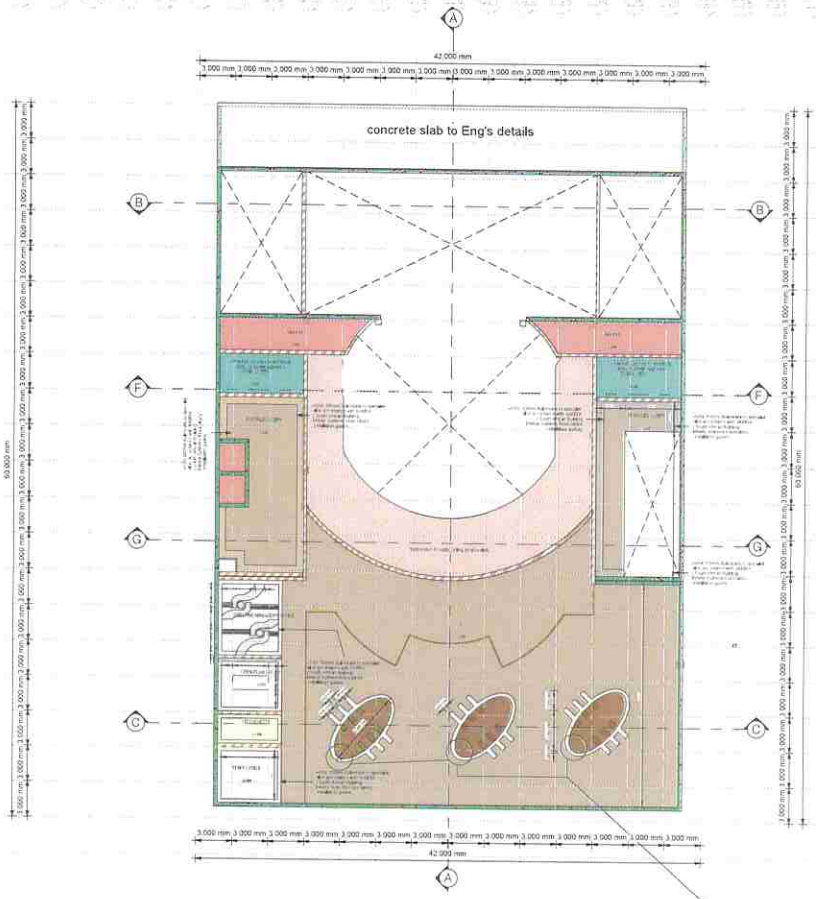
CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER	LDPWRI-19/11/18
PROJECT NUMBER	TBA
DATE	26/05/2023
TITLE	LIMPOPO PROVINCIAL THEATRE
SHEET CONTENT	LEVEL 1388.5m CEILING PLAN
DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER	ACE-LPT-DWG-123
REV	03
WORK STAGE	(STAGE 04)



LEVEL 1388.5m CEILING LAYOUT
SCALE 1: 100

LEGEND

1.		- General areas- 1200X 600mm suspended plasterboad ceiling.
2.		- setting out point
3.		-600x 300mm Bulkheads to specialist, all in accordance with SABISA, (South African Building Interior Systems Association) installation guides.
4.		- Bathroom & Toilets spec- 1200x600mm suspended Nutec ceiling boards with a Vinyl finish.
5.		OWAcoustic Brillianto A – Fleece covered no perforations (90% sound absorption) Main & secondary Theatre-OWAcoustic Brillianto A Premium biologically absorbable mineral wool ceiling tiles. NRC - 0.90, CAC - 30dB, Fire classification A2-s1, d0. weight - 3,5 kg/m², size 1200 x 600x 15mm with Square-edge and white fleece finish, laid on fire rated OWAconstruct 03 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm, and all installed to manufacturer's instructions. OWAconstruct L-trim, shigged and screwed at centres not exceeding 300mm.
6.		- suspended wooden panels mounted on metal suspension rail with clips.
7.		- Painted concrete on underside of stair.
8.		-Mechanical Services

SPECIFICATIONS

PLASTERBOAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

BULKHEAD SHADOW LINE SPECIFICATION:
Supply and fit SIGMA Plaster Trim 100 satin white epoxy coated aluminium plaster trim measuring 100 x 100mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align SIGMA Plaster Trim 100 with 75 x 2,6mm alignment pins and 150 x 20 x 2mm alignment splice plates.

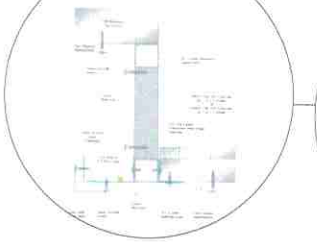
CIRCULAR BULKHEAD SPECIFICATION:
400x300mm height 25mmx25mm thick aluminium square tubes frame with T38 aluminium tees, 9mm gypsum boards, taping and jointing and flush plastering with Rhinolite or setingpins plaster.

RECTANGULAR BULKHEAD SPECIFICATION:
600x300mm,300x300mm &500x300mm height 25mmx25mm aluminium Galvanised angles frame with T38 aluminium tees. Supply and fit SIGMA Plaster Trim 30 satin white epoxy coated aluminium plaster trim measuring 30 x 30mm shadow reveal at horizontal junction with walls with 5/6/36 wall anchors at 450mm centres. Align Plaster Trim 30 with 100 x 2mm alignment pins

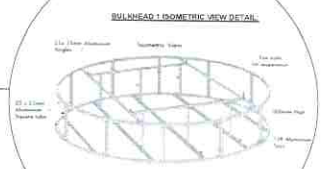
NOTE:

Cornice Spec.
*Powder coated aluminium shadowline strips.

CIRCULAR BULKHEAD 1 SECTION DETAIL



BULKHEAD 1 ISOMETRIC VIEW DETAIL



-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of
SPORT, ARTS & CULTURE

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER
LDPWRI-1011/18

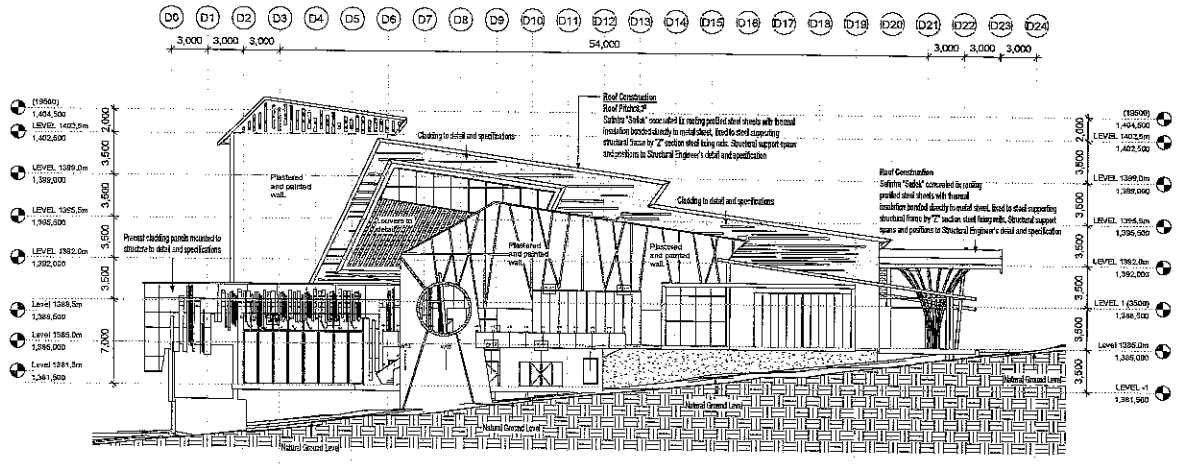
PROJECT NUMBER
TBA

DATE
26/05/2023

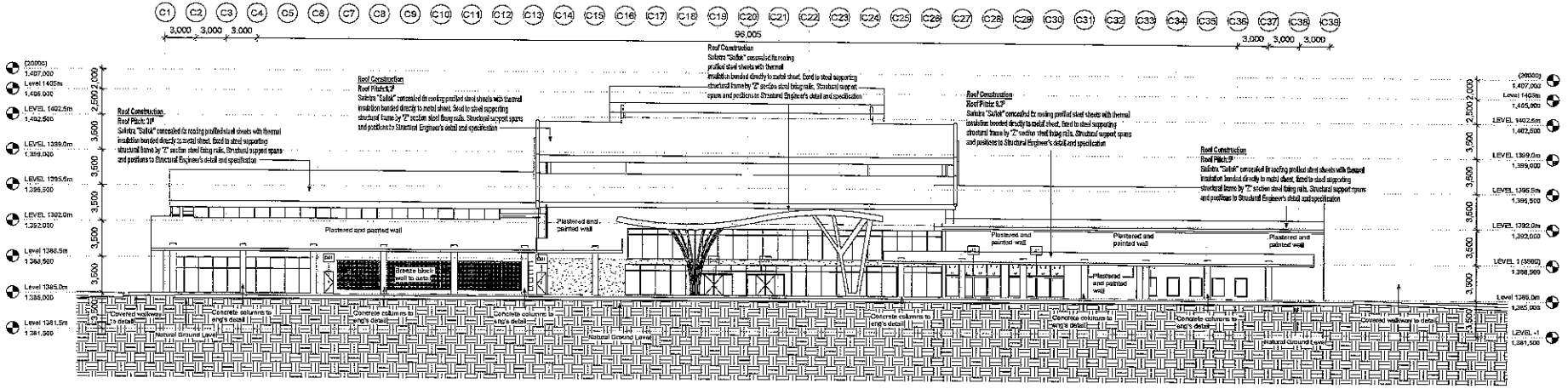
TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
LEVEL 1388.5m CEILING PLAN

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER	REV
ACE-LPT-DWG-123	03
WORK STAGE	(STAGE 04)



1 Elevation 01
1 : 150



2 Elevation 02
1 : 150

-ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

NO.	DESCRIPTION	DATE

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/1/1/R

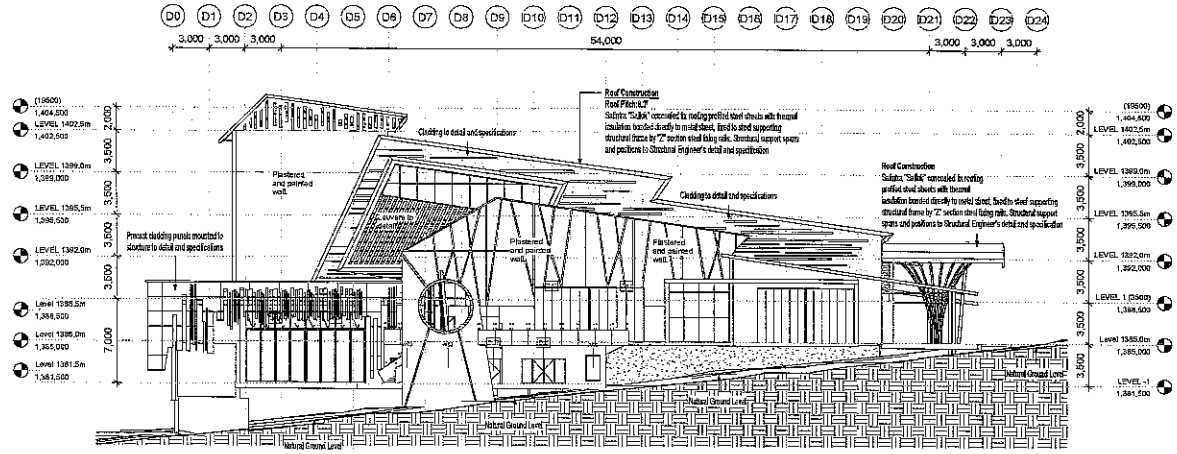
PROJECT NUMBER: TBA

DATE: 16/05/2023

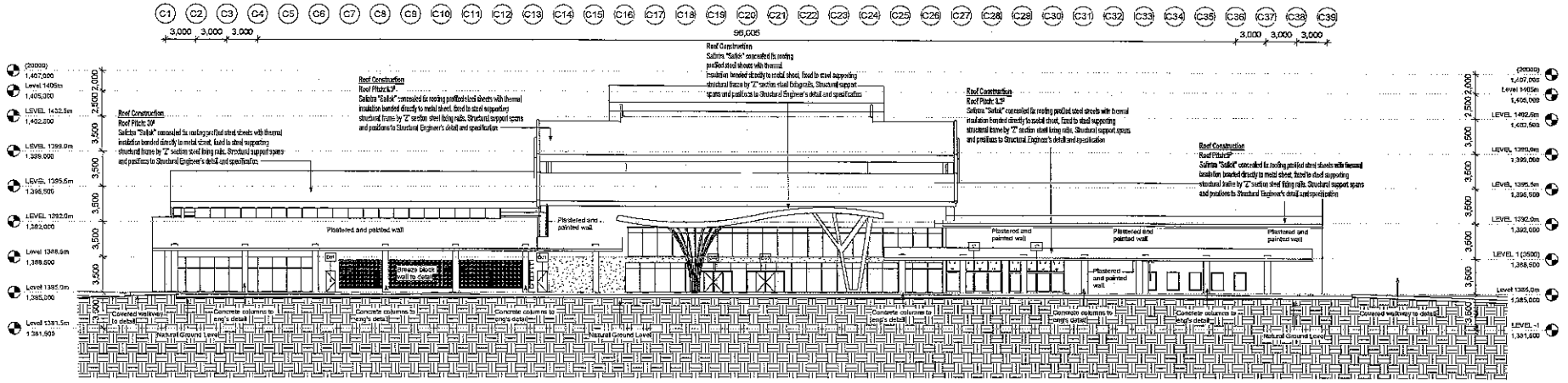
TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ELEVATIONS

DRAWN BY:	MO
CHECKED BY:	EN / TN
SCALE ON A0:	
DRAWING NUMBER:	ACE-LPT-DWG-201/EL01-02
REV	
WORK STAGE	(STAGE 04)



1 Elevation 01
1 : 150



2 Elevation 02
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

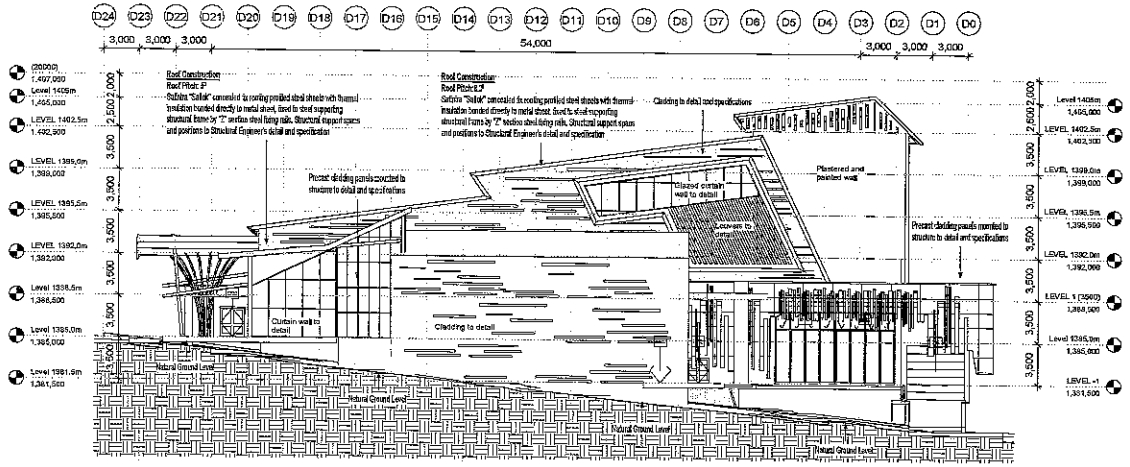
CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

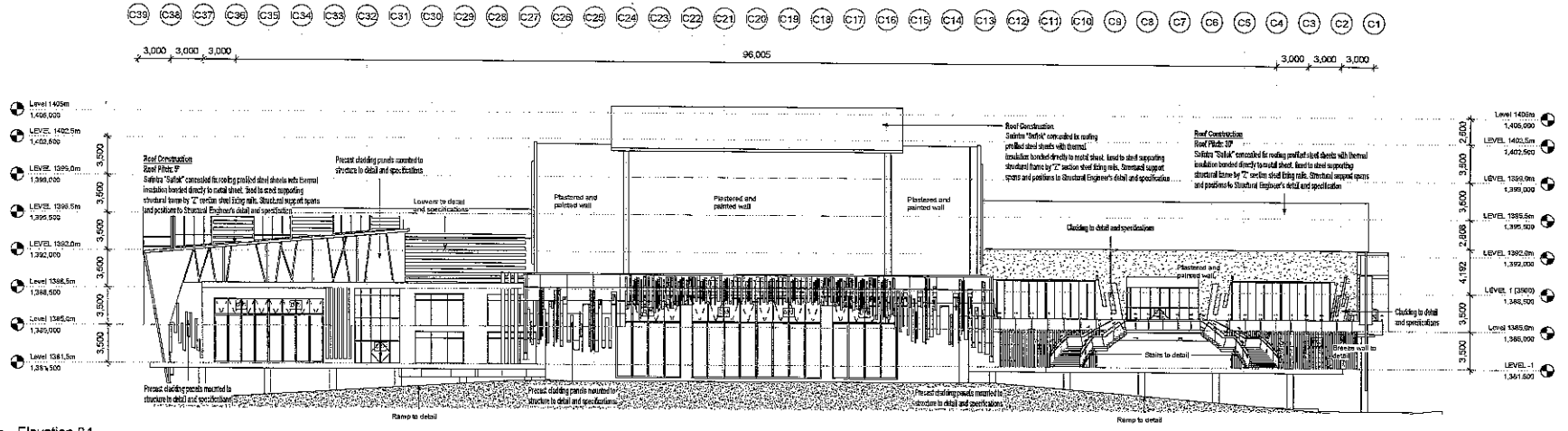
REV.	DESCRIPTION	DATE

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER:	LDPWRT-16/1/1/R
PROJECT NUMBER:	TBA
DATE:	16/06/2023
TITLE:	LIMPOPO PROVINCIAL THEATRE
SHEET CONTENT	ELEVATIONS
DRAWN BY:	MO
CHECKED BY:	EN / TN
SCALE ON A0:	
DRAWING NUMBER:	ACE-LPT-DWG-201/EL01-02 REV
WORK STAGE	(STAGE 04)



1 Elevation 03
1 : 150



2 Elevation 04
1 : 150

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER:
LDPWRI-10/11/R

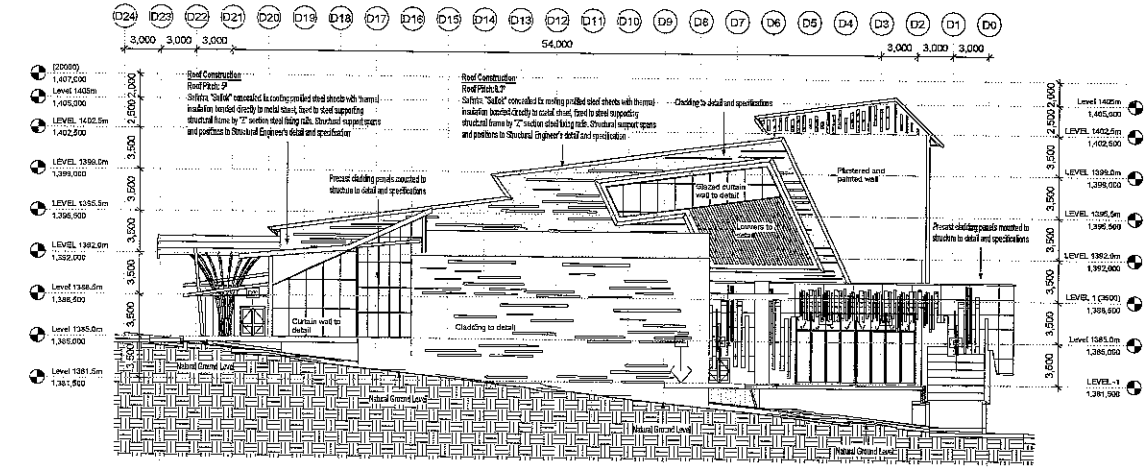
PROJECT NUMBER:
TBA

DATE: 16/06/2023

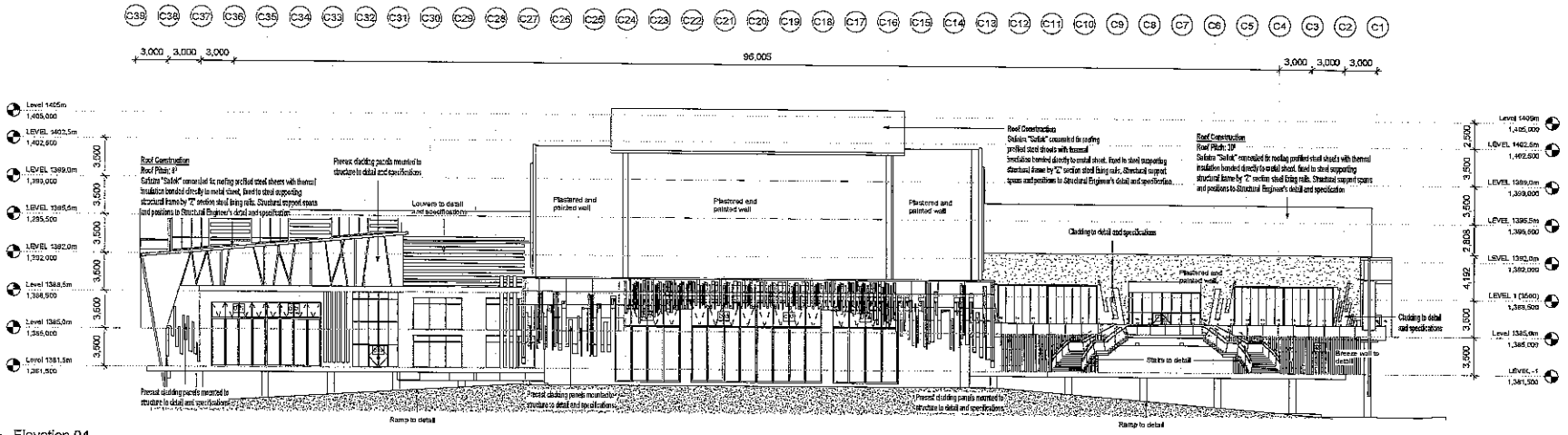
TITLE:
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
ELEVATIONS

DRAWN BY:	MQ
CHECKED BY:	EN / TN
SCALE ON A0:	
DRAWING NUMBER:	ACS-LPT-DWG-2023EL03-024
REV	
WORK STAGE	(STAGE 04)



1 Elevation 03
1 : 150



2 Elevation 04
1 : 150

- ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.
- ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV.	AMENDMENT	DATE

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-18/11/R

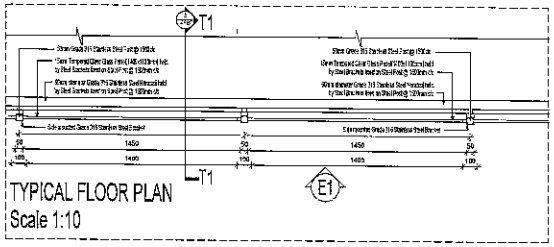
PROJECT NUMBER: TBA

DATE: 16/06/2023

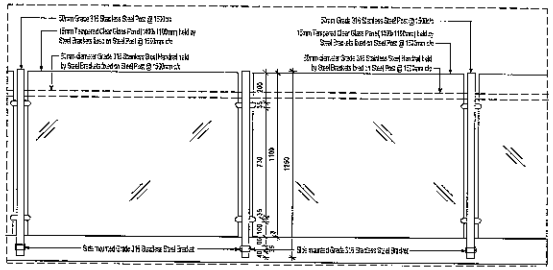
TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ELEVATIONS

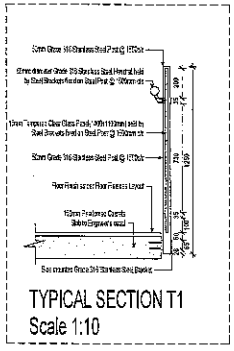
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CHECKED BY:	EN / TN
SCALE ON A0:	
DRAWING NUMBER: ACE-LPT-DWG-2023ELR3-024	REV
WORK STAGE: (STAGE 04)	



TYPICAL FLOOR PLAN
Scale 1:10

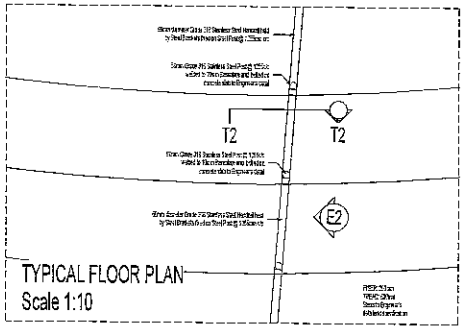


TYPICAL ELEVATION E1
Scale 1:10

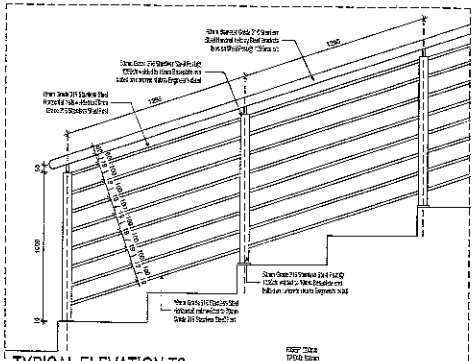


TYPICAL SECTION T1
Scale 1:10

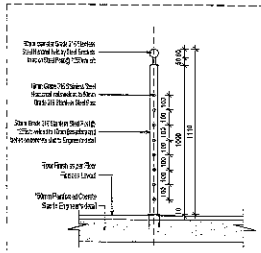
TYPE 1: FRAMED (SIDE MOUNTED) GLASS BALUSTRADE



TYPICAL FLOOR PLAN
Scale 1:10

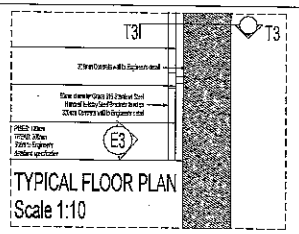


TYPICAL ELEVATION T2
Scale 1:10

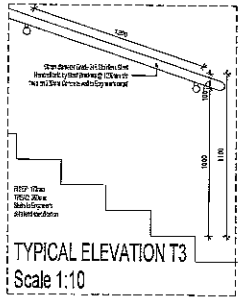


TYPICAL SECTION T2
Scale 1:10

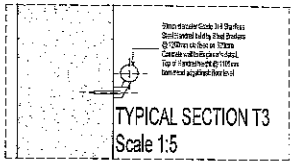
TYPE 2: STAINLESS STEEL (BASE MOUNTED) BALUSTRADE



TYPICAL FLOOR PLAN
Scale 1:10

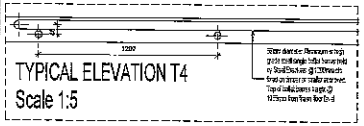


TYPICAL ELEVATION T3
Scale 1:10

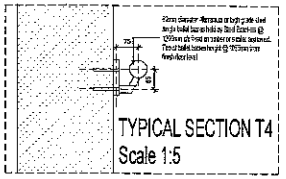


TYPICAL SECTION T3
Scale 1:5

TYPE 3: STAINLESS STEEL (WALL MOUNTED) HANDRAIL



TYPICAL ELEVATION T4
Scale 1:5



TYPICAL SECTION T4
Scale 1:5

TYPE 4:SINGLE BALLET (WALL MOUNTED) BARRES

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

NO.	DESCRIPTION	DATE

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SEKGOSE-MALAPA, IN POLOKWANE/CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPW/RR-197/18

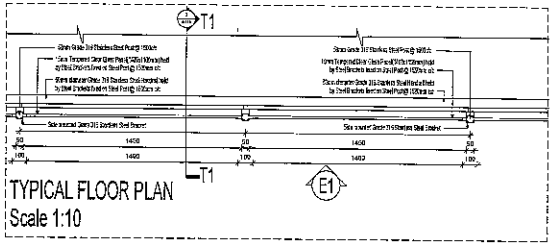
PROJECT NUMBER: TBA

DATE: 17/08/2023

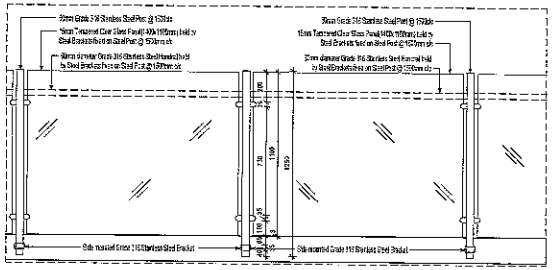
TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
BALUSTRADE AND RAILING DETAILS - TYPE 1 TO 4

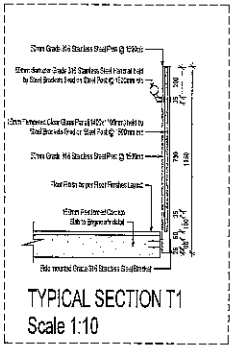
DRAWN BY:	DM
CHECKED BY:	BC
SCALE:	1:10 & 1:5
DRAWING NUMBER: ADS-LPT-DWG-402	REV: 00
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 04)



TYPICAL FLOOR PLAN
Scale 1:10

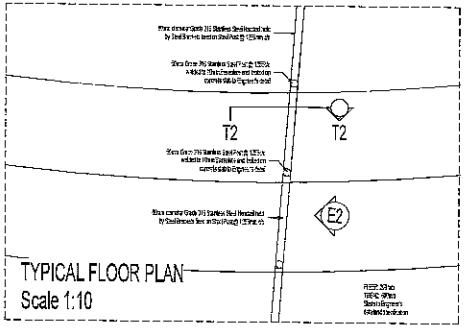


TYPICAL ELEVATION E1
Scale 1:10

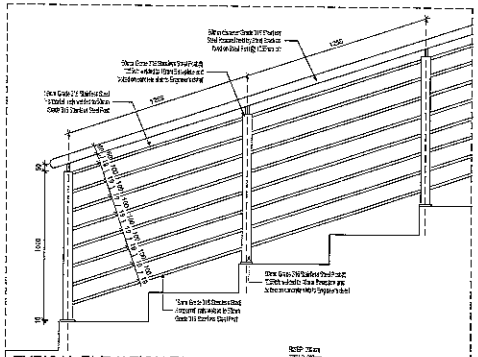


TYPICAL SECTION T1
Scale 1:10

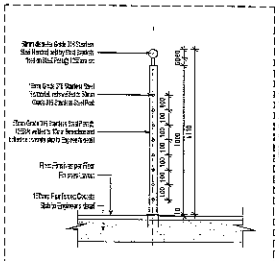
TYPE 1: FRAMED (SIDE MOUNTED) GLASS BALUSTRADE



TYPICAL FLOOR PLAN
Scale 1:10

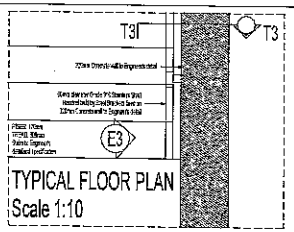


TYPICAL ELEVATION T2
Scale 1:10

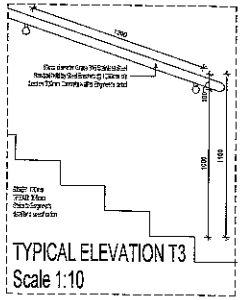


TYPICAL SECTION T2
Scale 1:10

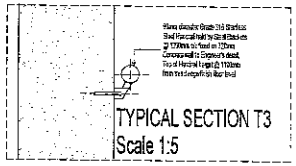
TYPE 2: STAINLESS STEEL (BASE MOUNTED) BALUSTRADE



TYPICAL FLOOR PLAN
Scale 1:10

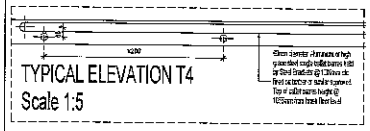


TYPICAL ELEVATION T3
Scale 1:10

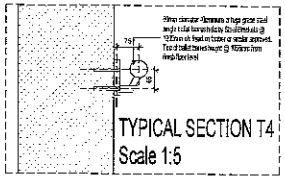


TYPICAL SECTION T3
Scale 1:5

TYPE 3: STAINLESS STEEL (WALL MOUNTED) HANDRAIL



TYPICAL ELEVATION T4
Scale 1:5



TYPICAL SECTION T4
Scale 1:5

TYPE 4:SINGLE BALLET (WALL MOUNTED) BARRES

ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

NO.	AMENDMENT	DATE

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT RAKGOMA-MALAPA, IM POLOKWANE/LEPHALALE DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/0/R

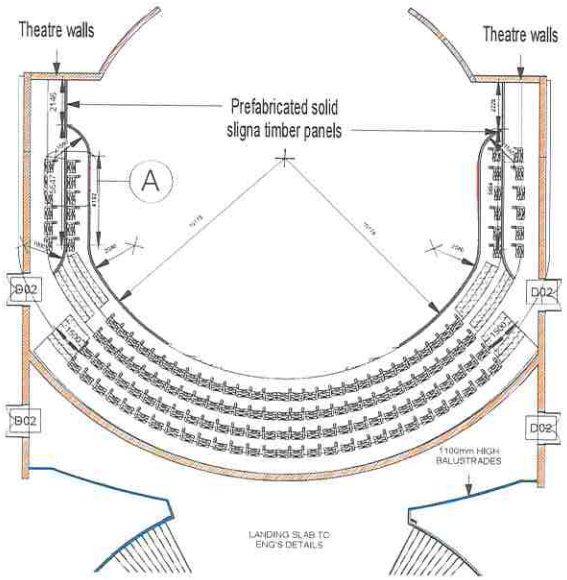
PROJECT NUMBER: TBA

DATE: 17/05/2023

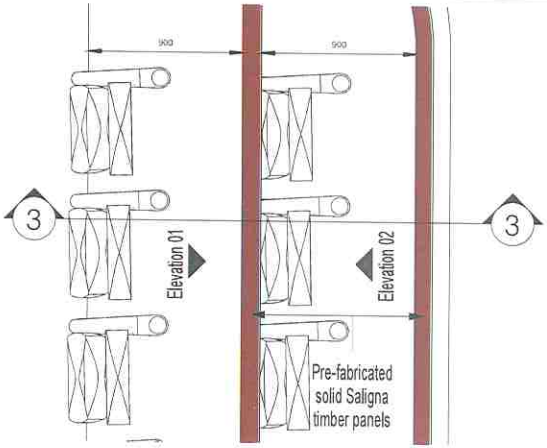
TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: BALUSTRADE AND RAILING DETAILS - TYPE 1 TO 4

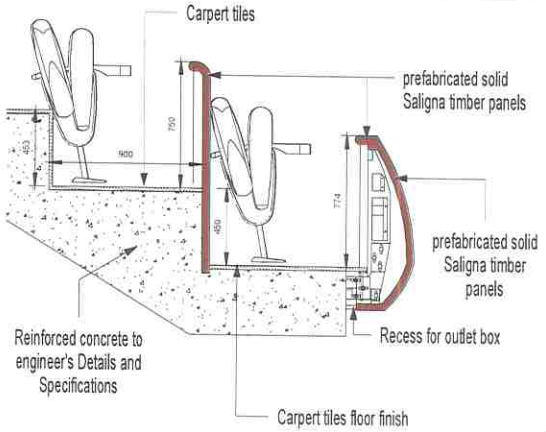
DRAWN BY:	CM
CHECKED BY:	SC
SCALE:	1:10 & 1:5
DRAWING NUMBER: AC-LPT-DWG-402	REV 02
WORK STAGE: DESIGN DEVELOPMENT - (STAGE 04)	



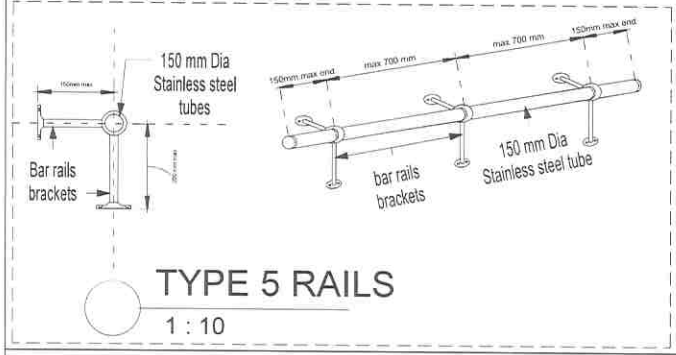
1 Level 1,2,3 Type 6 Layout
1 : 200



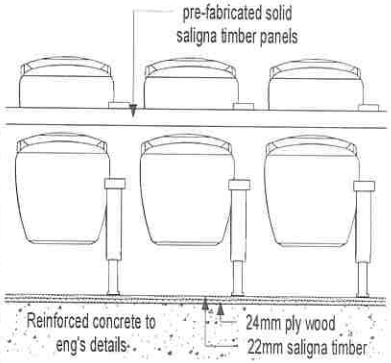
A Detail A T6
1 : 25



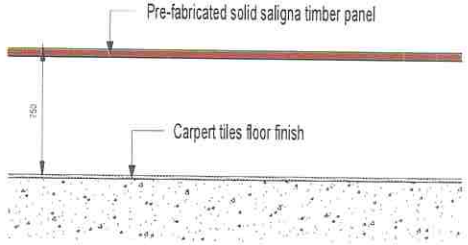
3 Section 3-3 T6
1 : 25



TYPE 5 RAILS
1 : 10



4 Elevation 02
1 : 25



5 Elevation 01
1 : 25

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT: Architects and Heritage Engineers

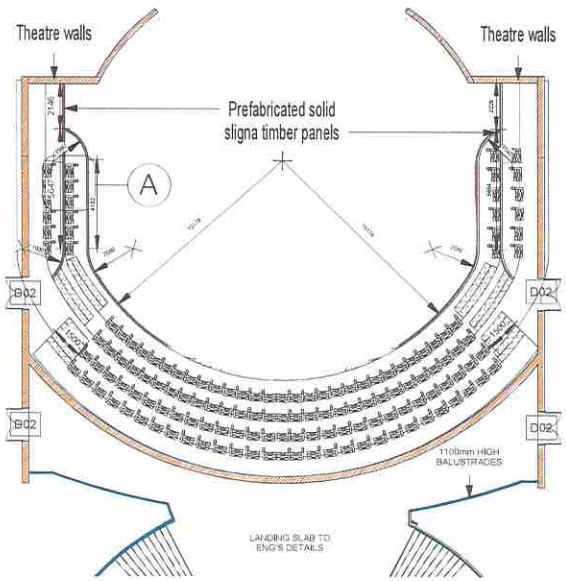
CLIENT: LIMPOPO PROVINCIAL GOVERNMENT, REPUBLIC OF SOUTH AFRICA, DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

PROJECT: CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

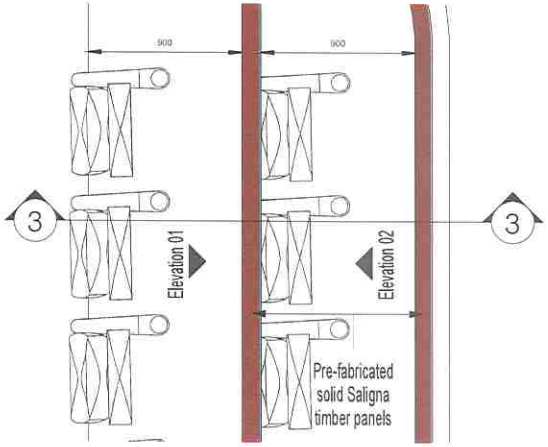
TITLE: RAILING DETAIL TYPE 5 & 6

USER CLIENT: LIMPOPO PROVINCIAL GOVERNMENT

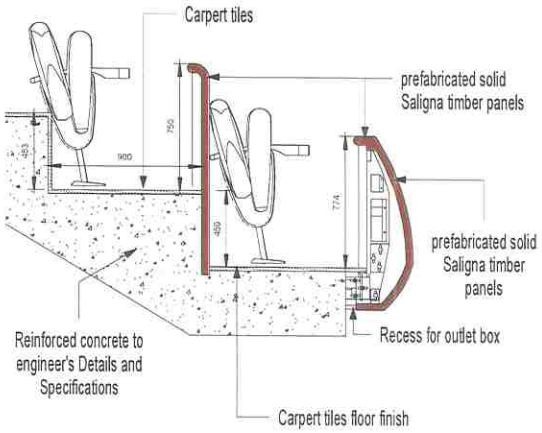
Date: 17-06-2023	Project number: LDPWRI-10/1/1/R	Scale (ON A3): As shown
Drawn by: GM	DRAWING NUMBER: ACE-LPT-DWG-403	REV: 00
Checked by: CM		



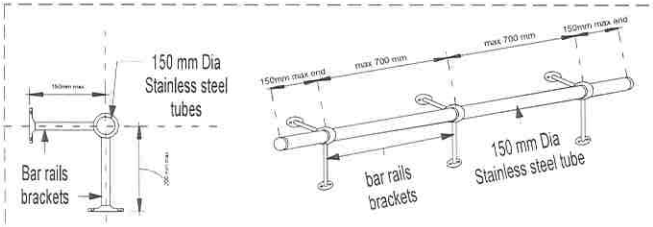
1 Level 1,2,3 Type 6 Layout
1 : 200



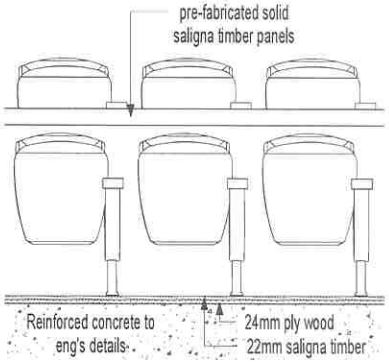
A Detail A T6
1 : 25



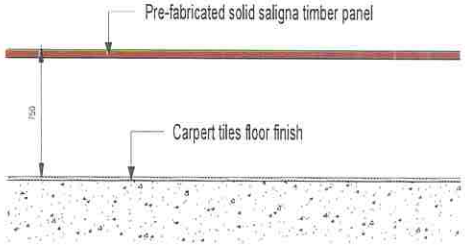
3 Section 3-3 T6
1 : 25



TYPE 5 RAILS
1 : 10



4 Elevation 02
1 : 25



5 Elevation 01
1 : 25

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

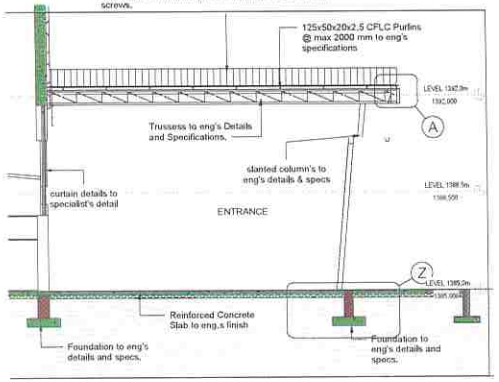
TITLE:
RAILING DETAIL TYPE 5 & 6

USER CLIENT: LIMPOPO

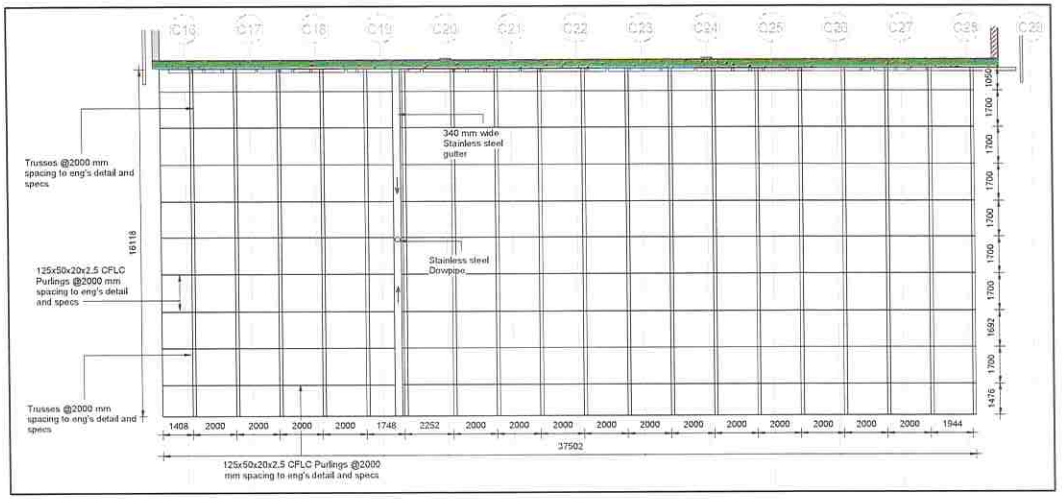
Date	Project number	Scale (ON A3)
17-06-2023	LDPWRI-10/1/1/R	As shown
Drawn by GM	DRAWING NUMBER	REV
Checked by CM	ACE-LPT-DWG-403	00

SAFINTRA ROOF SHEET:

Safintra 0.50mm thick SAFLOK 700 colorplus AZ150 interlocking roof sheeting fixed to steel internal purlins at 2000mm, and ridge/ eaves purlins at 1700mm centres using SAFLOK 700 clips which must be screw fixed to steel purlins with Fixtite or Safintra approved wafer head self-tapping screws.



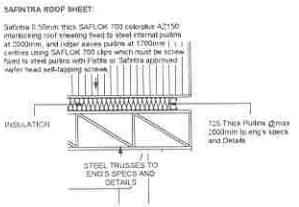
X Section X-X
1 : 100



2 TRUSSES LAYOUT PLAN
1 : 100

SAFINTRA ROOF SHEET:

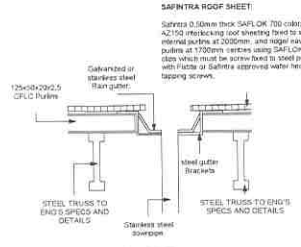
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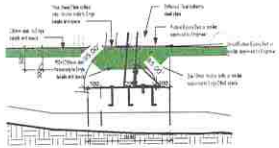
A CALLOUT A
1 : 20

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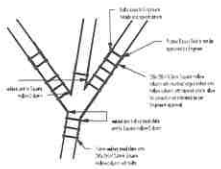
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B CALLOUT B
1 : 20



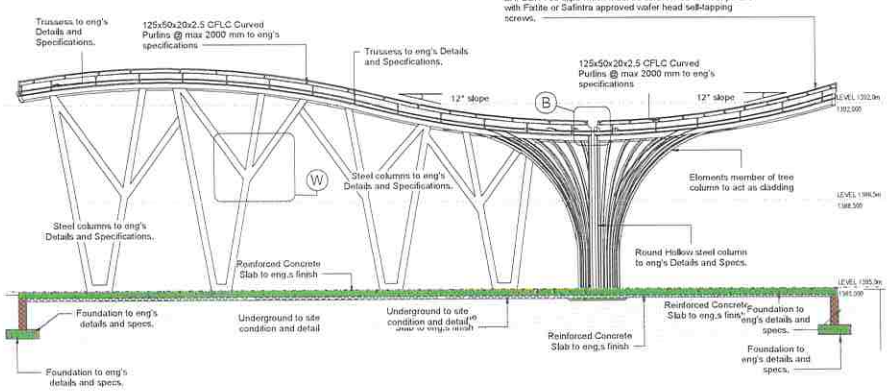
Z CALLOUT Z
1 : 50



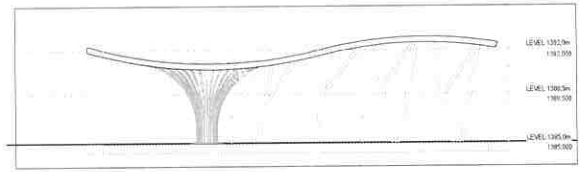
W CALLOUT W
1 : 50

SAFINTRA ROOF SHEET:

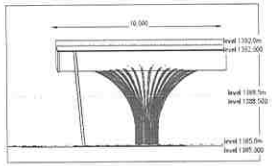
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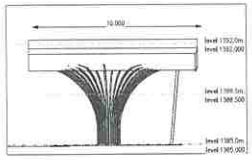
Y Section Y-Y
1 : 100



4 Canopy East Elevation
1 : 200



5 Canopy North Elevation
1 : 200



6 Canopy South Elevation
1 : 200

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT

Architects and Heritage Engineers cc

CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	- DESIGN	2022/05/17
01	- COMMENTS BY LDPW ARCHITECT	2022/08/19
02	- TO TENDER	2023-06-13

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER:
LDPWRI-10/1/1/R

PROJECT NUMBER:
LDPWRI-10/1/1/R

DATE:
13-06-2023

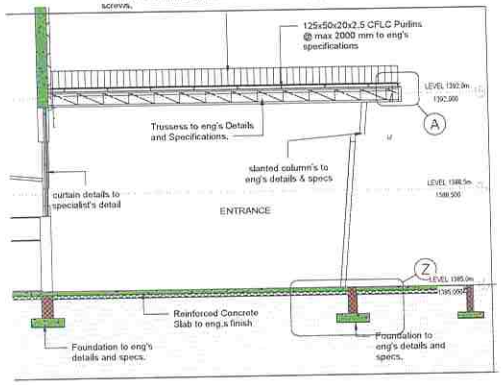
TITLE:
ENTRANCE CANOPY LAYOUT & DETAILS

SHEET CONTENT:
ENTRANCE CANOPY ELEVATIONS, SECTION, TRUSS LAYOUT AND DETAILS

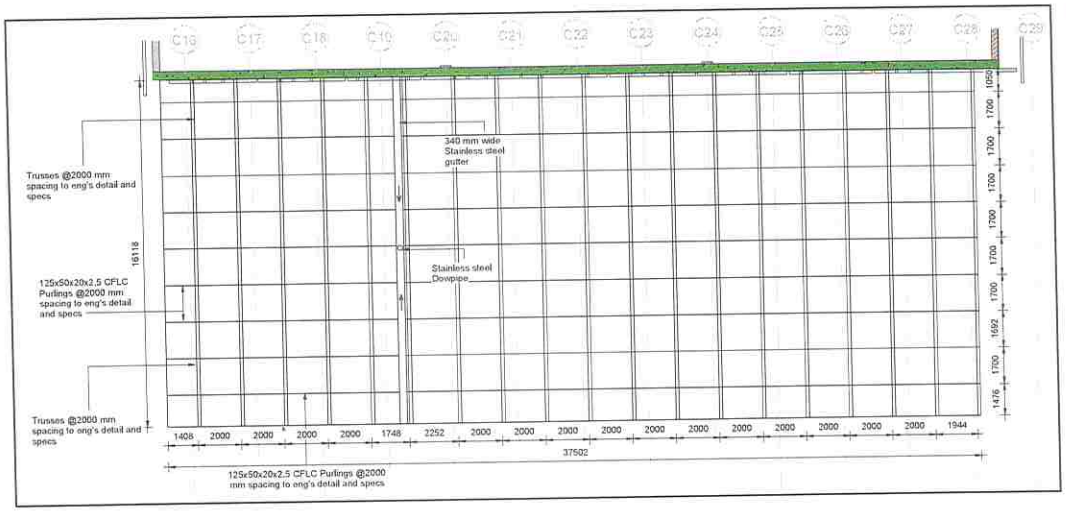
DRAWN BY:	AM
CHECKED BY:	TN
SCALE:	
DRAWING NUMBER: ACE+/PT-DWG-404	REV. 01
WORK STAGE:	TENDER

SAFINTRA ROOF SHEET:

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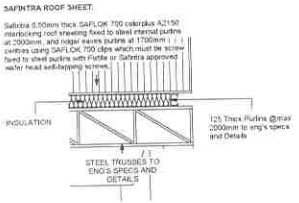
X Section X-X
1 : 100



2 TRUSSES LAYOUT PLAN
1 : 100

SAFINTRA ROOF SHEET:

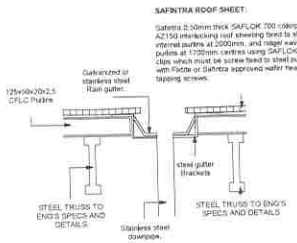
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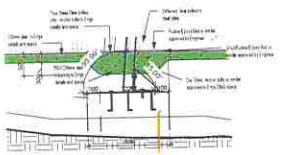
A CALLOUT A
1 : 20

SAFINTRA ROOF SHEET:

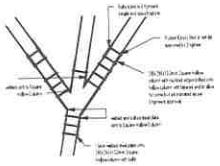
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B CALLOUT B
1 : 20



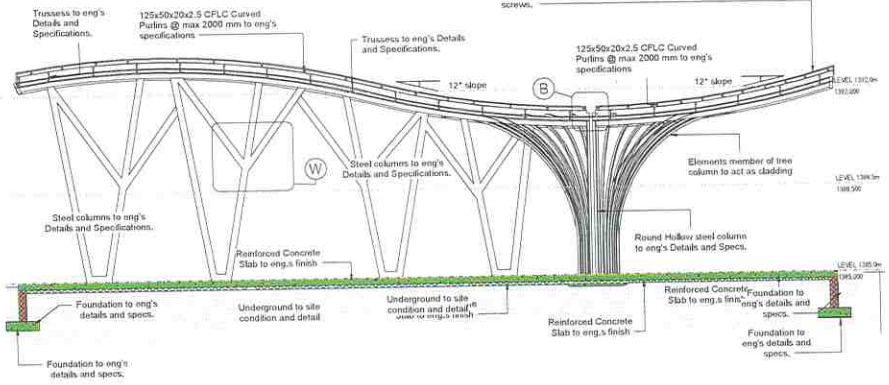
Z CALLOUT Z
1 : 50



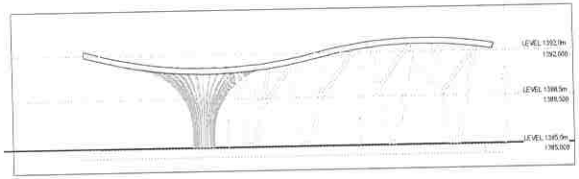
W CALLOUT W
1 : 50

SAFINTRA ROOF SHEET:

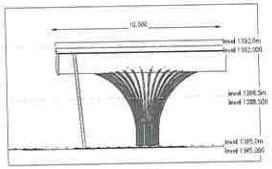
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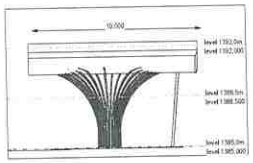
Y Section Y-Y
1 : 100



4 Canopy East Elevation
1 : 200



5 Canopy North Elevation
1 : 200



6 Canopy South Elevation
1 : 200

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

ACE Architects and Civil Engineers cc

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	- DESIGN	2022/05/11
01	- COMMENTS BY LDPW ARCHITECT	2023/09/19
02	- TO TENDER	2023-09-15

PROJECT:

CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/1/1/R

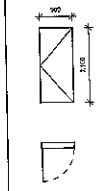
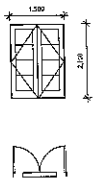
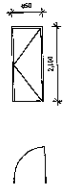
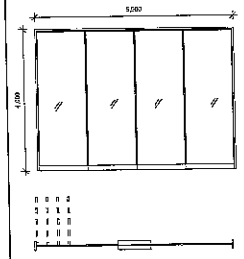
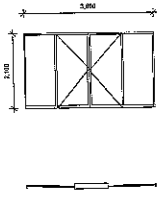
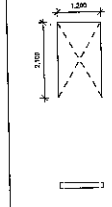
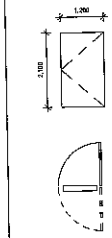
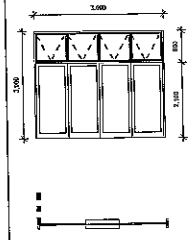
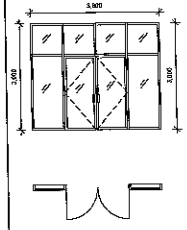
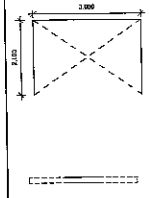
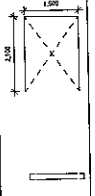
PROJECT NUMBER: LDPWRI-10/1/1/R

DATE: 13-06-2023

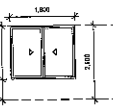
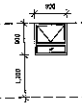
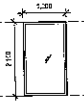
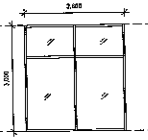
TITLE: ENTRANCE CANOPY LAYOUT & DETAILS

SHEET CONTENT: ENTRANCE CANOPY ELEVATIONS, SECTION, TRUSS LAYOUT AND DETAILS

DRAWN BY:	AM
CHECKED BY:	TN
SCALE:	
DRAWING NUMBER: ACE-LPT-DWG-404	REV: 01
WORK STAGE:	TENDER

DOOR TYPE	D01	D02	D03	D04	D05	D06	D07	D08	D09	D10	D11
FRONT VIEW / PLAN VIEW											
QUANTITY	21	63	31	06	02	AS INDICATED ON THE PLAN	02	39	01	AS SHOWN ON THE PLAN	AS SHOWN ON THE PLAN
LOCATION	INTERNAL DOOR	INTERNAL DOOR	EXTERNAL ENTRANCE DOOR	RECEPTION / DUTY OFFICE AREA	FOYER DOOR (DUTY OFF)	INTERNAL OPENING	FOYER DOOR (STAGE)	OUTSIDE DOOR	OUTSIDE CLADDOR DOOR POETRY SIDE	INTERNAL OPENING	INTERNAL OPENING
DOOR TYPE	SWING DOOR	DOUBLE SWING DOOR	SWING DOOR	4 PANEL FOLDING DOOR	DOUBLE SWING DOOR WITH SIDE HUNG	OPENING	3 WAYS SWING DOOR	4 PANEL FOLDING DOOR WITH TOP HUNG	DOUBLE SWING DOOR WITH SIDE AND TOP HUNG	OPENING	OPENING
DOOR'S DESCRIPTION	1950x1100mm SINGLE WOODEN PANEL DOOR WITH GLASS PANEL AS PER DETAILS AND SPECIFICATIONS.	1950x1750mm DOUBLE PANEL SWING DOOR WITH GLASS PANEL AS PER DETAILS AND SPECIFICATIONS.	1950x850mm ALUMINIUM FRAMED WOODEN PANEL DOOR WITH GLASS PANEL AS PER DETAILS AND SPECIFICATIONS.	1950x4000mm Folding Door with 4 glass panels as per details and specifications	2400x3400mm Automatic Sliding Door Operator complete with 1 set of Safety beam and 1 set of Motion sensor. The door is operated by push button on inside and outside with override key switch.	N/A	2400x1200mm SINGLE WOODEN PANEL DOOR WITH TOP HUNG SECTION AS PER DETAILS AND SPECIFICATIONS.	2400x3000mm Folding Door with top hung glass and glass panels to main entrance 2 no hinged doors/panels	2400x3000mm Double Swing Door Opening complete with glass panels, Existing pre-cast wall on top hung windows.	N/A	N/A
FRAME DESCRIPTION	FRAME BY MANUFACTURER	FRAME BY MANUFACTURER	FRAME BY MANUFACTURER	STANDARD ALUMINIUM DOOR FRAME CATNO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.	Galvanised Steel Double Door Frame.	N/A	FRAME BY MANUFACTURER	STANDARD ALUMINIUM DOOR FRAME CATNO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.	Galvanised Steel double door frames.	N/A	N/A
DOOR FINISH	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.	N/A	N/A
GLAZING	N/A	Double Glass Safety Tint Insulated Glazing Fabric, glass in accordance with SANS 57.	N/A	6.38 mm THICK LAMINATED SAFETY GLASS FITTED	6.38 mm THICK LAMINATED SAFETY GLASS FITTED	N/A	N/A	6.38 mm THICK LAMINATED SAFETY GLASS FITTED	6.38 mm THICK LAMINATED SAFETY GLASS FITTED	N/A	N/A
IRONMONGERY SCHEDULE	SUPPLIED COMPLETE WITH REVISED BY MANUFACTURER	SUPPLIED COMPLETE WITH REVISED BY MANUFACTURER	SUPPLIED COMPLETE WITH REVISED BY MANUFACTURER	SUPPLIED COMPLETE WITH REVISED BY MANUFACTURER	PURPOSED COMPLETE WITH REVISED BY MANUFACTURER	N/A	SUPPLIED COMPLETE WITH REVISED BY MANUFACTURER	SUPPLIED COMPLETE WITH REVISED BY MANUFACTURER	SUPPLIED COMPLETE WITH REVISED BY MANUFACTURER	N/A	N/A

DOOR SCHEDULE
1 : 50

Window Height / F.F.L		Window Height / F.F.L		Window Height / F.F.L		Window Height / F.F.L	
PLAN VIEW:		PLAN VIEW:		PLAN VIEW:		PLAN VIEW:	
Window Marker:	W 01	NO. REQD: 08	Window Marker:	W 02	NO. REQD: 10	Window Marker:	W 09	NO. REQD: 01	Window Marker:	W 11	NO. REQD: 50
FRAME DESCRIPTION	STANDARD ALUMINIUM WINDOW FRAME CAT.NO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.		FRAME DESCRIPTION	STANDARD ALUMINIUM WINDOW FRAME CAT.NO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.		FRAME DESCRIPTION	STANDARD ALUMINIUM WINDOW FRAME CAT.NO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.		FRAME DESCRIPTION	STANDARD ALUMINIUM WINDOW FRAME CAT.NO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.	
FRAME FINISH	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.		FRAME FINISH	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.		FRAME FINISH	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.		FRAME FINISH	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.	
FITTINGS	APPROVED STANDARD CHROMIUM PLATED WINDOW FITTING ASSUPPLIED BY MANUFACTURER.		FITTINGS	APPROVED STANDARD CHROMIUM PLATED WINDOW FITTING ASSUPPLIED BY MANUFACTURER.		FITTINGS	APPROVED STANDARD CHROMIUM PLATED WINDOW FITTING ASSUPPLIED BY MANUFACTURER.		FITTINGS	APPROVED STANDARD CHROMIUM PLATED WINDOW FITTING ASSUPPLIED BY MANUFACTURER.	
GLAZING	6.38 mm THICK LAMINATED SAFETY GLASS FITTED		GLAZING	6.38 mm THICK LAMINATED SAFETY GLASS FITTED		GLAZING	6.38 mm THICK LAMINATED SAFETY GLASS FITTED		GLAZING	6.38 mm THICK LAMINATED SAFETY GLASS FITTED	
BURG. PROOF AND GAUZE	10mm DIA. STEEL BURGLAR PROOFING IN 62 PATTERN		BURG. PROOF AND GAUZE	10mm DIA. STEEL BURGLAR PROOFING IN 62 PATTERN		BURG. PROOF AND GAUZE	10mm DIA. STEEL BURGLAR PROOFING IN 62 PATTERN		BURG. PROOF AND GAUZE	10mm DIA. STEEL BURGLAR PROOFING IN 62 PATTERN	
LOCATION	POETRY 01, POETRY 02		LOCATION	POETRY 01, POETRY 02		LOCATION	POETRY 01, POETRY 02		LOCATION	POETRY 01, POETRY 02	

WINDOW SCHEDULE
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

NO#	DESCRIPTION	DATE

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-193/17/R

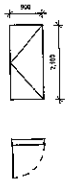
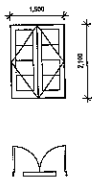
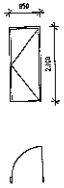
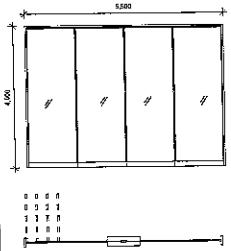
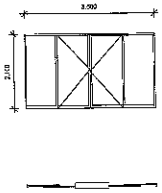
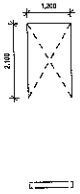
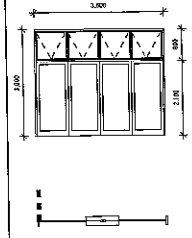
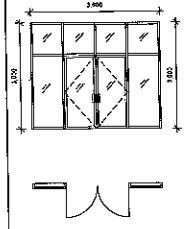
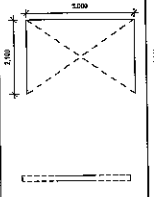
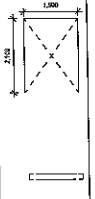
PROJECT NUMBER: TBA

DATE: 14-04-2023

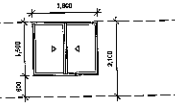
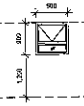
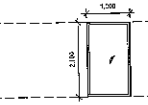
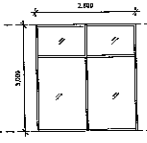
TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: DOOR & WINDOW SCHEDULE

DRAWN BY:	VM
CHECKED BY:	GM
SCALE ON A0:	1 : 50
DRAWING NUMBER: ACE-LPT-DWG-500	REV 00
WORK STAGE	(STAGE 04)

DOOR TYPE	D01	D02	D03	D04	D05	D06	D07	D08	D09	D10	D11
FRONT VIEW / PLAN VIEW											
QUANTITY	21	03	31	06	02	AS SHOWN ON THE PLAN	02	39	01	AS SHOWN ON THE PLAN	AS SHOWN ON THE PLAN
LOCATION	INTERNAL DOOR	INTERNAL DOOR	INTERNAL RESTEN UNIT DOOR	FRONT OF DELIVERY ENTRANCE	MAIN DOOR LOBBY DOOR	INTERNAL DOOR	INTERNAL DOOR STAGE	OUTSIDE DOOR	OUTSIDE DOOR POETRY SIDE	INTERNAL OPENING	INTERNAL OPENING
DOOR TYPE	SWING DOOR	DOUBLE SWING DOOR	SWING DOOR	4 PANEL FOLDING DOOR	DOUBLE SWING DOOR WITH SIDE PANEL	OPENING	2 PANEL SWING DOOR	4 PANEL SLIDING DOOR WITH TOP HUNG	DOUBLE SWING DOOR WITH SIDE AND TOP HUNG	OPENING	OPENING
DOORS DESCRIPTION	850x2100 mm SINGLE WOOD PANEL DOOR FIXED TO FRAME WITH LOCK SET OF MANUFACTURERS DETAILS AND SPECIFICATIONS.	1120x2100 mm DOUBLE PANEL SWING DOOR W/ SET 2 INTERNAL ARCHITRAVE AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO APPROVED.	450x2100 mm SINGLE WOODEN PANEL DOOR FIXED TO FRAME WITH LOCK SET OF MANUFACTURERS DETAILS AND SPECIFICATIONS.	5500x4000mm Folding Door with 4 panels to consist of 3 doors with fanlight over.	3000x2100mm Aluminium Sliding door Quantity of them 1 (one) consisting of 2 fixed and one (1) sliding door and fanlight over. The door is to be fitted with 10mm clear toughened safety glass throughout.	N/A	Single door 1 (one) with fanlight over. Door is to be fitted with 10mm clear toughened safety glass throughout.	3400x3100mm Folding Door consisting of 4 (four) panels, 2 (two) sliding and 2 (two) fixed. Door is to be fitted with 10mm clear toughened safety glass throughout.	3400x3100mm Double Swing Door consisting of 4 (four) panels, 2 (two) fixed and 2 (two) swing doors. Door is to be fitted with 10mm clear toughened safety glass throughout.	N/A	N/A
FRAME DESCRIPTION	FRAME BY MANUFACTURER	FRAME BY MANUFACTURER	FRAME BY MANUFACTURER	STANDARD ALUMINIUM DOOR FRAME CAT NO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.	Galvanized Steel Double door frame.	N/A	FRAME BY MANUFACTURER	STANDARD ALUMINIUM DOOR FRAME CAT NO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.	Galvanized Steel Double door frame.	N/A	N/A
DOOR FINISH	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO APPROVED.	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO APPROVED.	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.	N/A	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.	N/A	N/A
GLAZING	N/A	Double Clear 5mm Thk Windows (Tempered glass) glass to consist of 4mm thk	N/A	6.38 mm THICK LAMINATED SAFETY GLASS FITTED	6.38 mm THICK LAMINATED SAFETY GLASS FITTED	N/A	FIXED	6.38 mm THICK LAMINATED SAFETY GLASS FITTED	6.38 mm THICK LAMINATED SAFETY GLASS FITTED	N/A	N/A
IRONMONGERY SCHEDULE	SUPPLIED COMPLETE WITH FRAME BY MANUFACTURER	SUPPLIED COMPLETE WITH FRAME BY MANUFACTURER	SUPPLIED COMPLETE WITH FRAME BY MANUFACTURER	SUPPLIED COMPLETE WITH FRAME BY MANUFACTURER	SUPPLIED COMPLETE WITH FRAME BY MANUFACTURER	N/A	SUPPLIED COMPLETE WITH FRAME BY MANUFACTURER	SUPPLIED COMPLETE WITH FRAME BY MANUFACTURER	SUPPLIED COMPLETE WITH FRAME BY MANUFACTURER	N/A	N/A

DOOR SCHEDULE
1 : 50

Window Height / F.F.L			Window Height / F.F.L			Window Height / F.F.L			Window Height / F.F.L		
PLAN VIEW:			PLAN VIEW:			PLAN VIEW:			PLAN VIEW:		
Window Marker:	W 01	NO. REQD: 08	Window Marker:	W 02	NO. REQD: 10	Window Marker:	W 03	NO. REQD: 01	Window Marker:	W 11	NO. REQD: 50
FRAME DESCRIPTION	STANDARD ALUMINIUM WINDOW FRAME CAT NO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.		FRAME DESCRIPTION	STANDARD ALUMINIUM WINDOW FRAME CAT NO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.		FRAME DESCRIPTION	STANDARD ALUMINIUM WINDOW FRAME CAT NO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.		FRAME DESCRIPTION	STANDARD ALUMINIUM WINDOW FRAME CAT NO. NPP1215 WITH TOP HUNG SECTION OPENING OUTWARDS.	
FRAME FINISH	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.		FRAME FINISH	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.		FRAME FINISH	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.		FRAME FINISH	FACTORY APPLIED PRIMER, PREPARE AND CLEAN, ONE COAT UNIVERSAL UNDERCOAT AND TWO COATS POLYURETHANE SEMI-GLOSS ENAMEL, SANDPAPER LIGHTLY BETWEEN COATS, COLOUR ACCORDING TO ARCHITECT.	
FITTINGS	APPROVED STANDARD CHROMIUM PLATED WINDOW FITTING ASSUPPLIED BY MANUFACTURER.		FITTINGS	APPROVED STANDARD CHROMIUM PLATED WINDOW FITTING ASSUPPLIED BY MANUFACTURER.		FITTINGS	APPROVED STANDARD CHROMIUM PLATED WINDOW FITTING ASSUPPLIED BY MANUFACTURER.		FITTINGS	APPROVED STANDARD CHROMIUM PLATED WINDOW FITTING ASSUPPLIED BY MANUFACTURER.	
GLAZING	6.38 mm THICK LAMINATED SAFETY GLASS FITTED		GLAZING	6.38 mm THICK LAMINATED SAFETY GLASS FITTED		GLAZING	6.38 mm THICK LAMINATED SAFETY GLASS FITTED		GLAZING	6.38 mm THICK LAMINATED SAFETY GLASS FITTED	
BURG. PROOF AND GAUZE	10mm DIA. STEEL BURGLAR PROOFING IN 92 PATTERN		BURG. PROOF AND GAUZE	10mm DIA. STEEL BURGLAR PROOFING IN 92 PATTERN		BURG. PROOF AND GAUZE	10mm DIA. STEEL BURGLAR PROOFING IN 92 PATTERN		BURG. PROOF AND GAUZE	10mm DIA. STEEL BURGLAR PROOFING IN 92 PATTERN	
LOCATION	POETRY 01, POETRY 02		LOCATION	POETRY 01, POETRY 02		LOCATION	POETRY 01, POETRY 02		LOCATION	POETRY 01, POETRY 02	

WINDOW SCHEDULE
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV	DESCRIPTION	DATE

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWR-10/17/JR

PROJECT NUMBER: TBA

DATE: 14-04-2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: DOOR & WINDOW SCHEDULE

DRAWN BY:	VM
CHECKED BY:	GM
SCALE ON A0:	1 : 50
DRAWING NUMBER: ADS-LPT-DWG-500	REV 00
WORK STAGE	(STAGE 04)

WALL FINISHES LEGEND

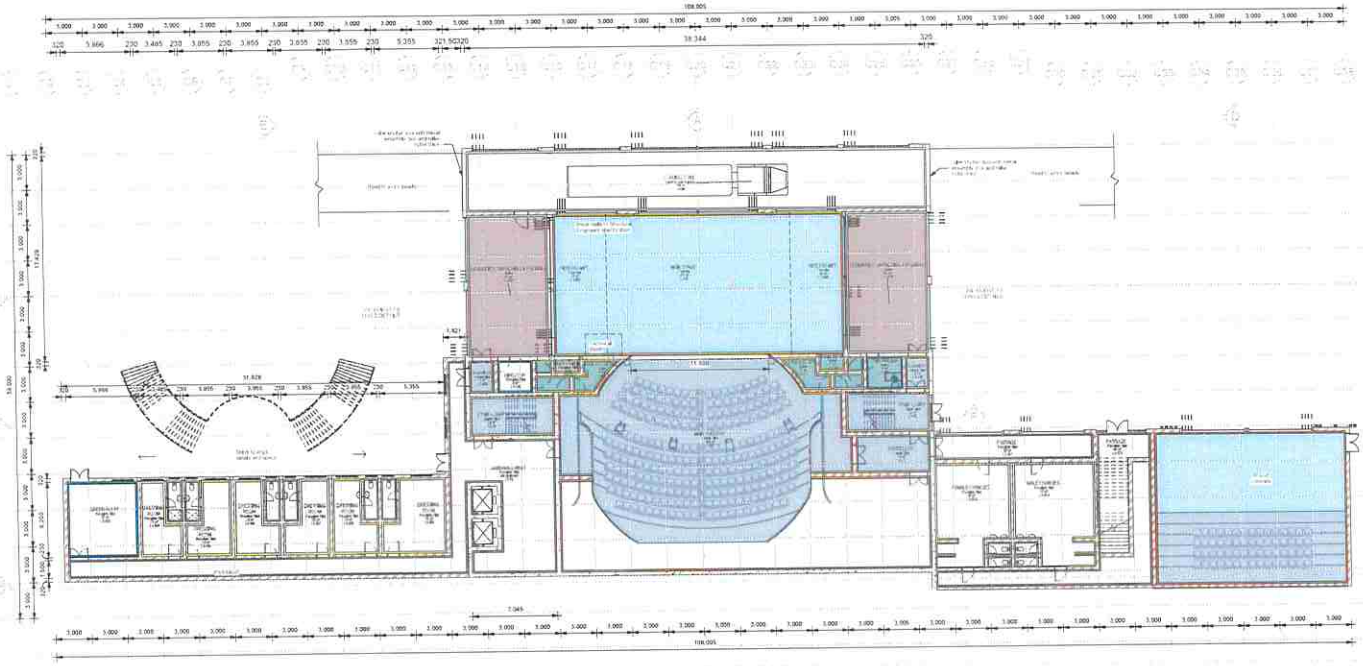
- +1 coat Cement Plaster + 2 coats- Waterbased superior low sheen acrylic, durable, washable) or similar approved. PRODUCT CODE: PEM 1000.
- -PORCELAIN WALL TILES FULL HEIGHT DURATILE. 600X100MM OFF WHITE PORCELAIN POLISHED WALL TILES. CODE: 00439.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -ACOUSTIC PANELS FINISH. or similar approved.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -VERTICAL TIMBER CLADDING (133mmx50mm) @ 50mm SPACING. UH61 COLOUR :WALNUT. ON DANCE STUDIOS MIRRORS MOUNTED ON THE WALLS 3000mm HEIGHT x 2000mm WIDTH.
- -PORCELAIN MOSAIC SHEET 300mm X 100mm WALL TILES FULL HEIGHT. or similar approved.
- +1 coat Cement Plaster + 2 coats- Waterbased superior low sheen acrylic, durable, washable) or similar approved. PRODUCT CODE: PEM 1000.
- -GLASS MOSAIC TILES 300mm x 300mm full height. or similar approved.
- -VERTICAL TIMBER CLADDING (150mmx50mm) @ 50mm SPACING UH61 COLOUR :WALNUT. UP TO CEILING HEIGHT.

FLOOR FINISHES LEGEND

- -GRANO FINISH
- -TIMBER
- -CARPET TILES
- -PORCELAIN TILES
- -RUBBER FLOOR
- -CONCRETE PURCEM TELE GRAY
- -CONCRETE PURCEM TELE GRAY
- -TIMBER FLOOR FOR DANCE STUDIO
- -CONCRETE FLOOR FOR MAIN STAGE & SECONDARY THEATRE STAGE.

FLOOR FINISHES SPECIFICATION:

- -DELIVERIES, FIRE ESCAPE, STORE ROOMS, EQUIPMENT STORE
  -GRANO FINISH. or similar approved.
- REHEARSAL 3, MAIN STAGE, SIDE PROMPT 1, SIDE PROMPT 2, STAGE MANAGER, SECONDARY THEATRE STAGE, BELGOTEX- CHARLSTON, KINGSWOOD or similar approved.
- -SECONDARY THEATRE, MAIN AUDITORIUM, STAFF OFFICE, OPEN PLAN OFFICE, CREATIVE MANAGER'S OFFICE, STAIR LOBBY, SOUND LOCKS, MANAGER'S OFFICE, POETRY 1 AND 2,
  -BELGOTEX CARPET TILES 600mm x 600mm or similar approved
  IN STAGE, SIDE PROMPT 1, SIDE PROMPT 2, STAGE MANAGER, SECONDARY THEATRE STAGE, BELGOTEX- CHARLSTON, KINGSWOOD or similar approved.
  IRIUM, STAFF OFFICE, OPEN PLAN OFFICE CREATIVE MANAGER'S OFFICE, STAIR LOBBY, SOUND LOCKS, MANAGER'S OFFICE, POETRY 1 AND 2,
  -BELGOTEX CARPET TILES 600mm x 600mm or similar approved
  SECONDARY THEATRE, MAIN AUDITORIUM, STAFF OFFICE, OPEN PLAN OFFICE CREATIVE MANAGER'S OFFICE, STAIR LOBBY, SOUND LOCKS, MANAGER'S OFFICE, POETRY 1 AND 2,
  -BELGOTEX CARPET TILES 600mm x 600mm or similar approved
- REHEARSAL ROOM 01
  -Polyurethane foam puzzle tile 930 x 930 mm (± 1.5%). RUBBER FLOOR FINISH OR SIMILAR APPROVED.
- LOADING ZONE
  -SIKA FLOOR-TELE GRAY RAL 7045 OR SIMILAR APPROVED.
- -ENTRANCE CANOPY, BALCONY AND FRONT CANOPY ENTRANCE STAIRCASE
  -SIKA FLOOR-TELE GRAY RAL 7045 OR SIMILAR APPROVED
- -DISABLED TOILETS, TOILETS LOBBY, KITCHENATE, DRESSING ROOMS, MALE & FEMALE CHANGE ROOMS, GREEN ROOM, CLEANER'S, MALE & FEMALE ABLUTIONS, STAFF ROOM, COFFEE SHOP, RESTAURANT & BAR, FOOD PREPARATION, TRAINING INSTITUTION, OUTSIDE EATING AREA, REHEARSAL LOBBY, LOBBY 02, AUDITORIUM LOBBY, PUBLIC CIRCULATION, ENTRANCE PORCH, CONTROL ROOM, OFFICE BOOKSHOP, EMERGENCY PASSAGE, LOBBY 01, MOBILE TRUCK THEATRE LOBBY,
  -PORCELAIN TILES 600mm x 600mm, or similar approved
- -SERVICE TOWER
  -OSHA STILL CATWALK



NORTH

Level 1381.5m
SCALE 1: 100

-ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

NO.	AMENDMENTS	DATE
01	DA Issue	17/10/2023

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER
LDPWRI-101/19

PROJECT NUMBER
TBA

DATE: 21-06-2023

TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
LEVEL 1381.5m WALLS AND FLOOR FINISHES.

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER: ACE-LPT-DWG- 3541	REV 01
WORK STAGE	(STAGE 04)

WALL FINISHES LEGEND

- +1 coat Cement Plaster + 2 coats- Waterbased superior low sheen acrylic, durable, washable) or similar approved. PRODUCT CODE: PEM 1000
- -PORCELAIN WALL TILES FULL HEIGHT DURATILE, 600X300MM OFF WHITE PORCELAIN POLISHED WALL TILES. CODE: DD439
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 108 LOWSHEEN OR SIMILAR APPROVED.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED
- -ACOUSTIC PANELS FINISH. or similar approved.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -VERTICAL TIMBER CLADDING (113mmx50mm) @ 90mm SPACING. UH61 COLOUR: WALNUT. ON DANCE STUDIOS MIRRORS MOUNTED ON THE WALLS 3000mm HEIGHT x 2000mm WIDTH.
- -PORCELAIN MOSAIC SHEET 300mm X 300mm WALL TILES FULL HEIGHT. or similar approved.
- +1 coat Cement Plaster + 2 coats- Waterbased superior low sheen acrylic, durable, washable) or similar approved. PRODUCT CODE: PEM 1000.
- -GLASS MOSAIC TILES 300mm x 300mm full height. or similar approved.
- -VERTICAL TIMBER CLADDING (150mmx50mm) @ 50mm SPACING UH61 COLOUR WALNUT. UP TO CEILING HEIGHT.

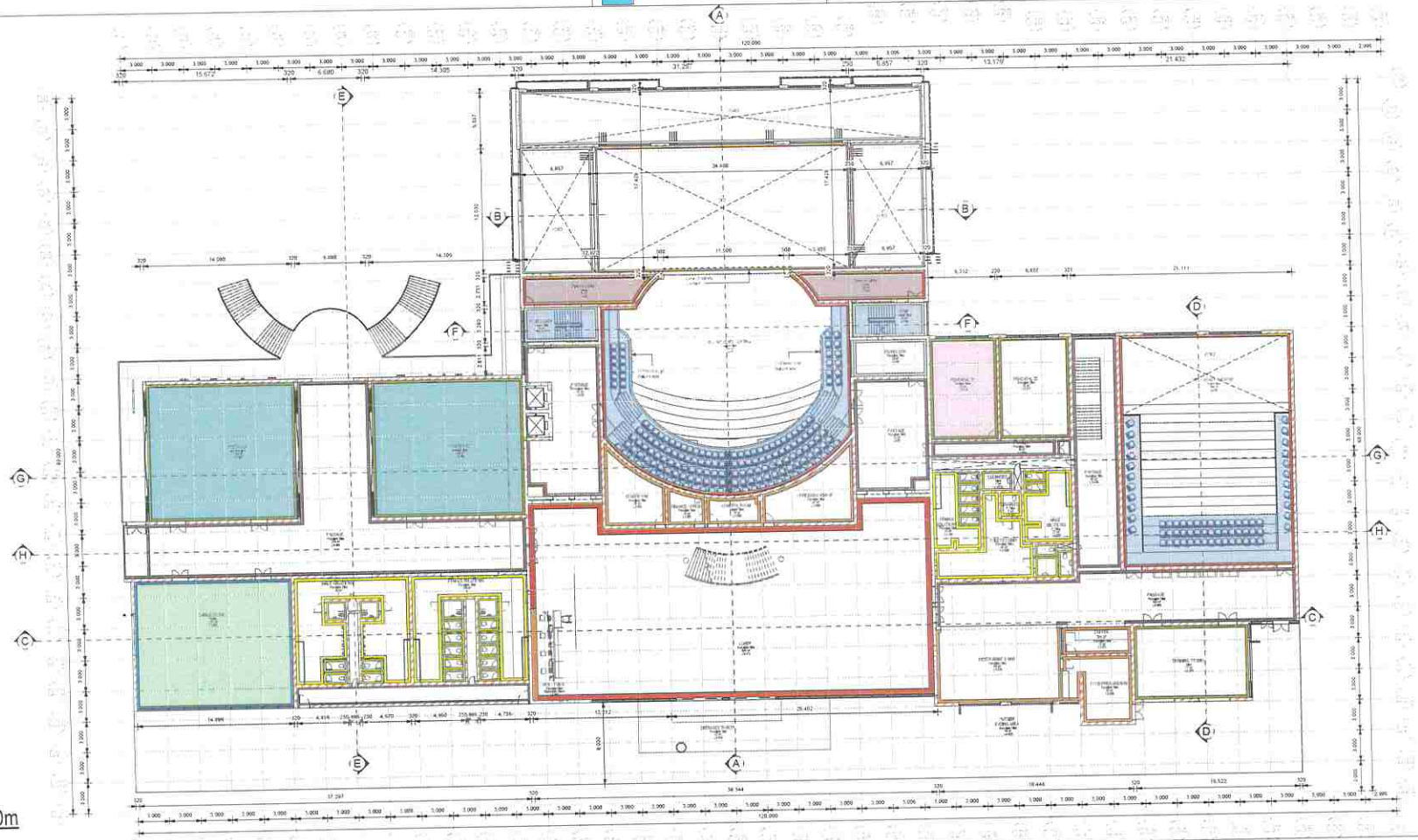
FLOOR FINISHES LEGEND

- -GRANO FINISH
- -TIMBER
- -CARPET TILES
- -PORCELAIN TILES
- -RUBBER FLOOR
- -CONCRETE PURCEM TELE GRAY
- -TIMBER FLOOR FOR DANCE STUDIO
- -CONCRETE FLOOR FOR MAIN STAGE & SECONDARY THEATRE STAGE

FLOOR FINISHES SPECIFICATION:

- -DILIVERIES, FIRE ESCAPE, STORE ROOMS, EQUIPMENT STORE -GRANO FINISH. or similar approved.
- REHEARSAL 2, MAIN STAGE, SIDE PROMPT 1, SIDE PROMPT 2, STAGE MANAGER, SECONDARY THEATRE STAGE, BELGOTEX- CHARLSTON KINGSWOOD or similar approved.
- -SECONDARY THEATRE, MAIN AUDITORIUM, STAFF OFFICE, CREATIVE MANAGER'S OFFICE, STAIR LOBBY, SOUND LOCKS, MANAGER'S OFFICE, STAIRCASE, POETRY 1 AND 2, -BELGOTEX CARPET TILES 600mm x 600mm or similar approved
- REHEARSAL ROOM 01 -Polyurethane foam puzzle tile 930 x 930 mm (± 1.5%). RUBBER FLOOR FINISH OR SIMILAR APPROVED.
- LOADING ZONE -SIKA FLOOR-TELE GRAY RAL 7045 OR SIMILAR APPROVED.
- -ENTRANCE CANOPY, BALCONY AND FRONT CANOPY ENTRANCE STAIRCASE -SIKA FLOOR-TELE GRAY RAL 7045 OR SIMILAR APPROVED
- -DISABLED TOILETS, TOILET3 LOBBY, KITCHENATE, DRESSING ROOMS, MALE & FEMAILE CHANGE ROOMS, GREEN ROOM, CLEANERS, MALE & FEMALE ABLUTIONS, STAFF ROOM, COFFEE SHOP, RESTAURANT & BAR, FOOD PREPARATION, TRAINING INSTITUTION, OUTSIDE EATING AREA, REHEARSAL LOBBY, LOBBY 02, AUDITORIUM LOBBY, PUBLIC CIRCULATION, ENTRANCE PORCH, CONTROL ROOM, OFFICE BOOKSHOP, EMERGENCY PASSAGE, LOBBY 01, -PORCELAIN TILES 600mm x 600mm. or similar approved
- -SPEC 31mm Oak wood Solid hardwood OR Oak engineered board with a hardwood wear layer on A 12mm thick WBP plywood followed by a 9mm thick water-proof solid hardwood panel is fixed on top of 75x25mm counter-batten frame with a Triple layer of custom machined southern yellow pine mounted on Dual density shock dampening elastomer blocks at predetermined intervals. ALL SPECIFICATIONS TO BE AS PER THE ROOM PLATE DETAILS.
- -SERVICE TOWER -OSHA STILL CATWALK

NORTH



LEVEL 1385.0m
SCALE 1:100

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of
SPORT, ARTS & CULTURE

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SAKOWE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER	LDPWRS-10/11/R
PROJECT NUMBER	TBA
DATE	21-06-2023
TITLE	LIMPOPO PROVINCIAL THEATRE
SHEET CONTENT	LEVEL 1385.0m WALLS & FLOOR FINISHES LAYOUT
DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER	REV
ACE-LPT-DWG- 504-2	01
WORK STAGE	(STAGE 04)

WALL FINISHES LEGEND

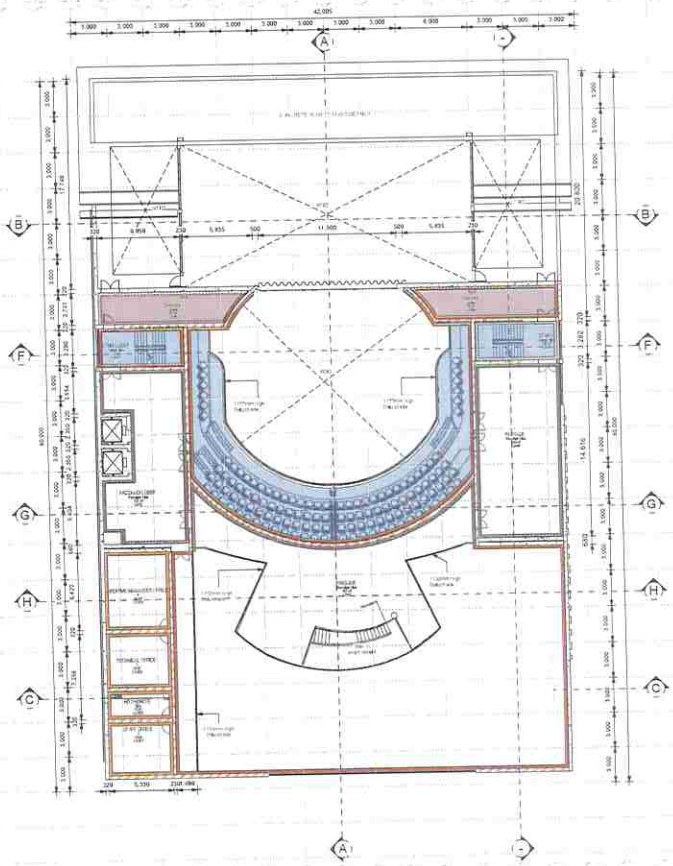
- +1 coat Cement Plaster + 2 coats- Waterbased superior low sheen acrylic, durable, washable) or similar approved, PRODUCT CODE: PEM 1000.
- -PORCELAIN WALL TILES FULL HEIGHT DURATILE, 600X300MM OFF-WHITE PORCELAIN POLISHED WALL TILES. CODE: DD439.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 198 LOWSHEEN OR SIMILAR APPROVED.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -ACOUSTIC PANELS FINISH, or similar approved.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -VERTICAL TIMBER CLADDING (133mmx50mm) @ 50mm SPACING. UH61 COLOUR: WALNUT. ON DANCE STUDIOS MIRRORS MOUNTED ON THE WALLS 3000mm HEIGHT x 2000mm WIDTH.
- -PORCELAIN MOSAIC SHEET 300mm X 300mm WALL TILES FULL HEIGHT. or similar approved.
- +1 coat Cement Plaster + 2 coats- Waterbased superior low sheen acrylic, durable, washable) or similar approved, PRODUCT CODE: PEM 1000.
- -GLASS MOSAIC TILES 300mm x 300mm full height, or similar approved.
- -VERTICAL TIMBER CLADDING (150mmx50mm) @ 50mm SPACING UH61 COLOUR: WALNUT. UP TO CEILING HEIGHT.

FLOOR FINISHES LEGEND

- -GRANO FINISH
- -TIMBER
- -CARPET TILES
- -PORCELAIN TILES
- -RUBBER FLOOR
- -CONCRETE PURCEM TELE GRAY.
- -TIMBER FLOOR FOR DANCE STUDIO
- -CONCRETE FLOOR FOR MAIN STAGE & SECONDARY THEATRE STAGE

FLOOR FINISHES SPECIFICATION:

- -DELIVERIES, FIRE ESCAPE, STORE ROOMS, EQUIPMENT STORE -GRANO FINISH, or similar approved.
- REHEARSAL 2, MAIN STAGE, SIDE PROMPT 1, SIDE PROMPT 2, STAGE MANAGER, SECONDARY THEATRE STAGE. BELGOTEX- CHARLSTON. KINGSWOOD or similar approved.
- -SECONDARY THEATRE, MAIN AUDITORIUM, STAFF OFFICE, CREATIVE MANAGER'S OFFICE, STAIR LOBBY, SOUND LOCKS, MANAGER'S OFFICE, STAIRCASE, POETRY 1 AND 2. -BELGOTEX CARPET TILES 600mm x 600mm or similar approved
- REHEARSAL ROOM 01 -Polyurethane foam puzzle tile 930 x 930 mm (± 1.5%). RUBBER FLOOR FINISH OR SIMILAR APPROVED.
- LOADING ZONE -SIKA FLOOR-TELE GRAY RAL 7045 OR SIMILAR APPROVED.
- -ENTRANCE CANOPY, BALCONY AND FRONT CANOPY ENTRANCE STAIRCASE -SIKA FLOOR-TELE GRAY RAL 7045 OR SIMILAR APPROVED
- -DISABLED TOILETS, TOILETS LOBBY, KITCHENATE, DRESSING ROOMS, MALE & FEMAILE CHANGE ROOMS, GREEN ROOM, CLEANERS, MALE & FEMALE ABLUTIONS, STAFF ROOM, COFFEE SHOP, RESTAURANT & BAR, FOOD PREPARATION, TRAINING INSTITUTION, OUTSIDE EATING AREA, REHEARSAL LOBBY, LOBBY 02, AUDITORIUM LOBBY, PUBLIC CIRCULATION, ENTRANCE PORCH, CONTROL ROOM, OFFICE BOOKSHOP, EMERGENCY PASSAGE, LOBBY 01. -PORCELAIN TILES 600mm x 600mm. or similar approved
- -SPEC 9.1mm Oak wood Solid hardwood OR Oak engineered board with a hardwood wear layer on A 12mm thick WBP plywood followed by a 9mm Thick waterproof solid hardwood panel is fixed on top of 75x20mm counter-batten frame with a Triple layer of custom machined southern yellow pine mounted on Dual density shock dampening elastomer blocks at predetermined intervals. ALL SPECIFICATIONS TO BE AS PER THE ROOM PLATE DETAILS.
- -SERVICE TOWER -OSHA STELL CATWALK



NORTH

LEVEL 1388.5m
SCALE 1:100

-ALL DISCREPENCIES TO BE BROUGHT TO THE ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of
SPORT, ARTS & CULTURE

REV	DESCRIPTION	DATE
00	- DESIGN	2023/06/21
01	- ARCHITECTURAL UPDATES FOR PERMISSION	2023/08/21

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SHAONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRS-10/21/0R

PROJECT NUMBER: TBA

DATE: 21-06-2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: LEVEL 1388.5mWALLS & FLOOR FINISHES

DRAWN BY:	N.S
CHECKED BY:	T.N
SCALE ON A0	1:100
DRAWING NUMBER: ADS-LPT-DWG- 504-3	REV: 01
WORK STAGE	(STAGE 04)

WALL FINISHES LEGEND

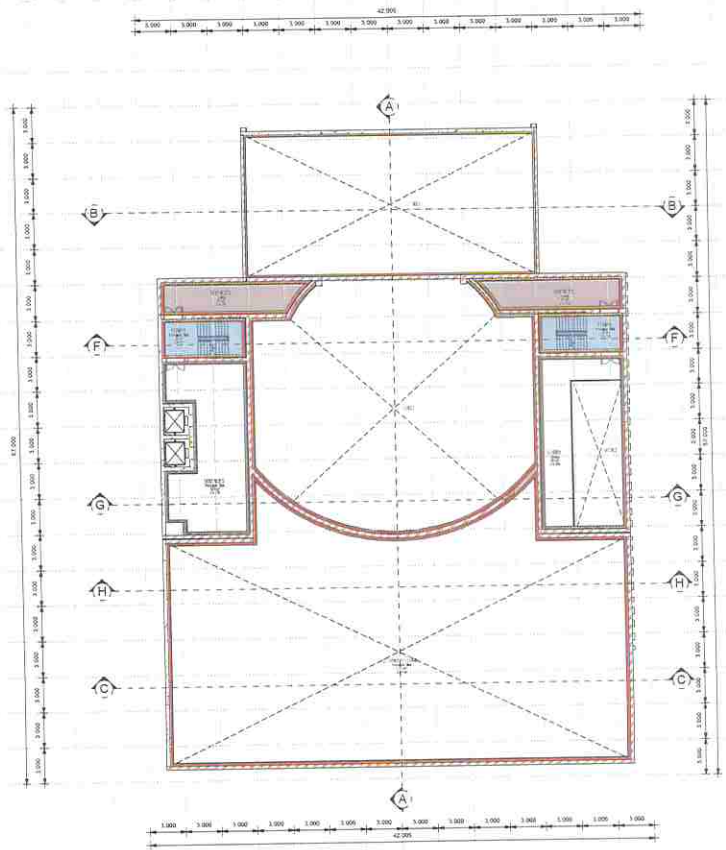
- +1 coat Cement Plaster + 2 coats- Waterbased superior low sheen acrylic, durable, washable) or similar approved. PRODUCT CODE: PEM 1000.
- -PORCELAIN WALL TILES FULL HEIGHT DURATILE. 600X300MM OFF WHITE PORCELAIN POLISHED WALL TILES. CODE: 0D439.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -ACOUSTIC PANELS FINISH. or similar approved.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -VERTICAL TIMBER CLADDING (133mmx50mm) @ 50mm SPACING. UH61 COLOUR: WALNUT. ON DANCE STUDIOS MIRRORS MOUNTED ON THE WALLS 3000mm HEIGHT x 2000mm WIDTH.
- -PORCELAIN MOSAIC SHEET 300mm X 300mm WALL TILES FULL HEIGHT. or similar approved.
- +1 coat Cement Plaster + 2 coats- Waterbased superior low sheen acrylic, durable, washable) or similar approved. PRODUCT CODE: PEM 1000.
- -GLASS MOSAIC TILES 300mm x 300mm full height. or similar approved.
- -VERTICAL TIMBER CLADDING (150mmx50mm) @ 50mm SPACING UH61 COLOUR WALNUT. UP TO CEILING HEIGHT.

FLOOR FINISHES LEGEND

- -GRANO FINISH
- -TIMBER
- -CARPET TILES
- -PORCELAIN TILES
- -RUBBER FLOOR
- -CONCRETE PURCEM TELE GRAY
- -TIMBER FLOOR FOR DANCE STUDIO
- -CONCRETE FLOOR FOR MAIN STAGE & SECONDARY THEATRE STAGE

FLOOR FINISHES SPECIFICATION:

- -DILIVERIES, FIRE ESCAPE, STORE ROOMS, EQUIPMENT STORE -GRANO FINISH. or similar approved.
- REHEARSAL 2, MAIN STAGE, SIDE PROMPT 1, SIDE PROMPT 2, STAGE MANAGER, SECONDARY THEATRE STAGE, BELGOTEX- CHARLSTON . KINGSWOOD or similar approved.
- -SECONDARY THEATRE, MAIN AUDITORIUM, STAFF OFFICE, CREATIVE MANAGER'S OFFICE, STAIR LOBBY, SOUND LOCKS, MANAGER'S OFFICE, STAIRCASE, POETRY 1 AND 2, -BELGOTEX CARPET TILES 600mm x 600mm or similar approved
- REHEARSAL ROOM 01 -Polyurethane foam puzzle tile 930 x 930 mm (± 1.5%), RUBBER FLOOR FINISH OR SIMILAR APPROVED.
- LOADING ZONE -SIKA FLOOR-TELE GRAY RAL 7045 OR SIMILAR APPROVED.
- -ENTRANCE CANOPY, BALCONY AND FRONT CANOPY ENTRANCE STAIRCASE -SIKA FLOOR-TELE GRAY RAL 7045 OR SIMILAR APPROVED
- -DISABLED TOILETS, TOILETS LOBBY, KITCHENATE, DRESSING ROOMS, MALE & FEMALE CHANGE ROOMS, GREEN ROOM, CLEANERS, MALE & FEMALE ABLUTIONS, STAFF ROOM, COFFEE SHOP, RESTAURANT & BAR, FOOD PREPARATION, TRAINING INSTITUTION, OUTSIDE EATING AREA, REHEARSAL LOBBY, LOBBY 02, AUDITORIUM LOBBY, PUBLIC CIRCULATION, ENTRANCE PORCH, CONTROL ROOM, OFFICE BOOKSHOP, EMERGENCY PASSAGE, LOBBY 01. -PORCELAIN TILES 600mm x 600mm. or similar approved
- -SPEC 91mm Oak wood Solid hardwood OR Oak engineered board with a hardwood wear layer on A 12mm thick WBP plywood followed by a 9mm thick water-proof solid hardwood panel a fixed on top of 75x20mm counter-batten frame with a Triple layer of custom machined southern yellow pine mounted on Dual density shock dampening elastomer blocks at predetermined intervals. ALL SPECIFICATIONS TO BE AS PER THE ROOM PLATE DETAILS.
- -SERVICE TOWER -OSHA STILL CATWALK



LEVEL 1392.0
SCALE 1:100

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

REV	DESCRIPTION	DATE
01	[illegible]	[illegible]
02	[illegible]	[illegible]

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWR/HS/01/R

PROJECT NUMBER: TBA

DATE: 21-06-2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: LEVEL 1392.0m WALLS & FLOOR FINISHES

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER: AC64-LPT-DWG- 504-4	REV: 01
WORK STAGE	(STAGE 04)

WALL FINISHES LEGEND

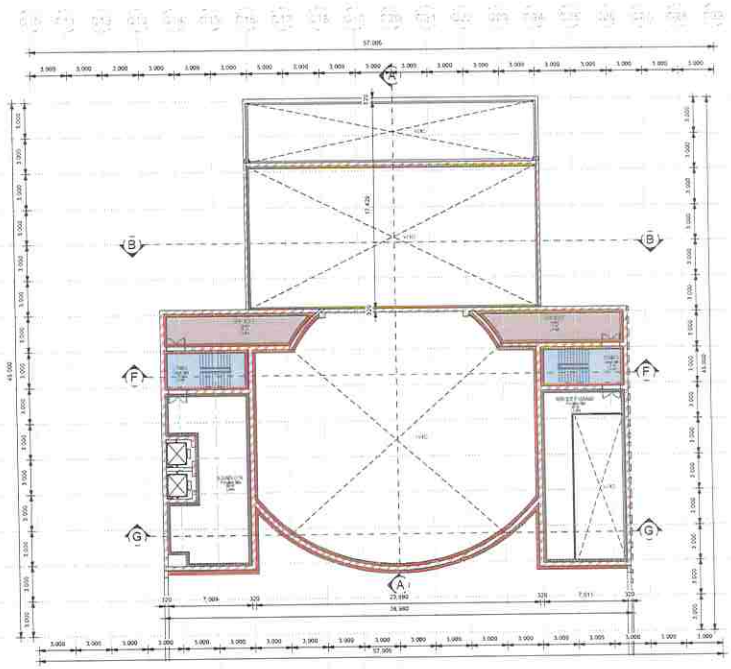
- +1 coat Cement Plaster + 2 coats- Waterbased superior low sheen acrylic, durable, washable) or similar approved, PRODUCT CODE: PEM 1000.
- -PORCELAIN WALL TILES FULL HEIGHT DURATILE, 600X300MM OFF WHITE PORCELAIN POLISHED WALL TILES, CODE: DD439.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -ACOUSTIC PANELS FINISH, or similar approved.
- -ONE COAT DULUX TRADE ALKALI RESISTANT PLASTER PRIMER (full coat) TWO COATS DULUX TRADE 100 LOWSHEEN OR SIMILAR APPROVED.
- -VERTICAL TIMBER CLADDING (133mmx50mm) @ 50mm SPACING. UH61 COLOUR :WALNUT. ON DANCE STUDIOS MIRRORS MOUNTED ON THE WALLS 3000mm HEIGHT x 2000mm WIDTH.
- -PORCELAIN MOSAIC SHEET 300mm X 300mm WALL TILES FULL HEIGHT. or similar approved.
- +1 coat Cement Plaster + 2 coats- Waterbased superior low sheen acrylic, durable, washable) or similar approved, PRODUCT CODE: PEM 1000.
- -GLASS MOSAIC TILES 300mm x 300mm full height, or similar approved.
- -VERTICAL TIMBER CLADDING (155mmx50mm) @ 50mm SPACING UH61 COLOUR :WALNUT. UP TO CEILING HEIGHT.

FLOOR FINISHES LEGEND

- -GRANO FINISH
- -TIMBER
- -CARPET TILES
- -PORCELAIN TILES
- -RUBBER FLOOR
- -CONCRETE PURCEM TELE GRAY
- -TIMBER FLOOR FOR DANCE STUDIO
- -CONCRETE FLOOR FOR MAIN STAGE & SECONDARY THEATRE STAGE

FLOOR FINISHES SPECIFICATION:

- **-DILIVERIES, FIRE ESCAPE, STORE ROOMS, EQUIPMENT STORE**
  -GRANO FINISH. or similar approved.
- **REHEARSAL 2, MAIN STAGE, SIDE PROMPT 1, SIDE PROMPT 2, STAGE MANAGER, SECONDARY THEATRE STAGE,** BELGOTEX- CHARLSTON KINGSWOOD or similar approved.
- **-SECONDARY THEATRE, MAIN AUDITORIUM, STAFF OFFICE, CREATIVE MANAGER'S OFFICE, STAIR LOBBY, SOUND LOCKS, MANAGER'S OFFICE, STAIRCASE, POETRY 1 AND 2.**
  -BELGOTEX CARPET TILES 600mm x 600mm or similar approved
- **REHEARSAL ROOM 01**
  -Polyurethane foam puzzle tile 900 x 900 mm (± 1.5%). RUBBER FLOOR FINISH OR SIMILAR APPROVED.
- **LOADING ZONE**
  -SIKA FLOOR-TELE GRAY RAL 7045 OR SIMILAR APPROVED.
- **-ENTRANCE CANOPY, BALCONY AND FRONT CANOPY ENTRANCE STAIRCASE**
  -SIKA FLOOR-TELE GRAY RAL 7045 OR SIMILAR APPROVED
- **-DISABLED TOILETS, TOILETS LOBBY, KITCHENATE, DRESSING ROOMS, MALE & FEMAILE CHANGE ROOMS, GREEN ROOM, CLEANERS, MALE & FEMALE ABLUTIONS, STAFF ROOM, COFFEE SHOP, RESTAURANT & BAR, FOOD PREPARATION, TRAINING INSTITUTION, OUTSIDE EATING AREA, REHEARSAL LOBBY, LOBBY 02, AUDITORIUM LOBBY, PUBLIC CIRCULATION, ENTRANCE PORCH, CONTROL ROOM, OFFICE BOOKSHOP, EMERGENCY PASSAGE, LOBBY 01,**
  -PORCELAIN TILES 600mm x 600mm. or similar approved
- -SPEC
  91mm Oak wood Solid hardwood OR Oak engineered board with a hardwood wear layer on A 12mm thick WBP plywood followed by a 9mm thick water-proof solid hardwood panel is fixed on top of 75x20mm counter-batten frame with a Triple layer of custom machined southern yellow pine mounted on Dual density shock dampening elastomer blocks at predetermined intervals. ALL SPECIFICATIONS TO BE AS PER THE ROOM PLATE DETAILS.
- **-SERVICE TOWER**
  -OSHA STILL CATWALK



LEVEL 1395.5
SCALE 1:100

NORTH

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV	AMENDMENTS	DATE
01	GENERAL	FEBRUARY
02	GENERAL AMENDMENTS	JUNE

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/11/1R

PROJECT NUMBER: TBA

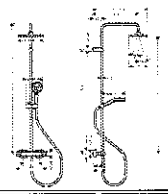
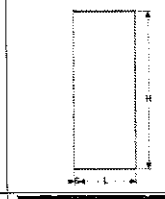
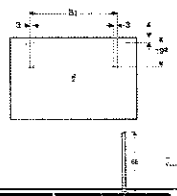
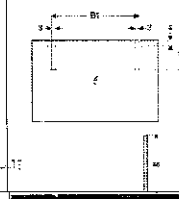
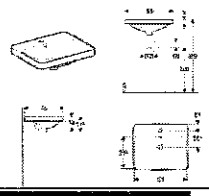
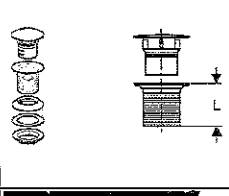
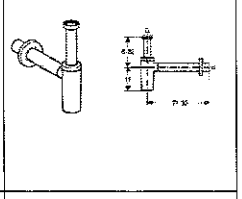
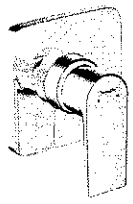
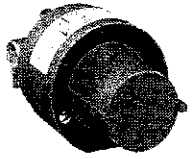
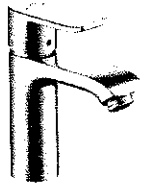
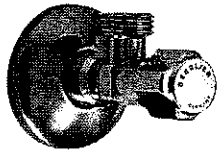
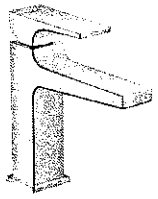
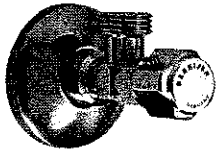
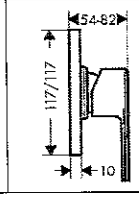
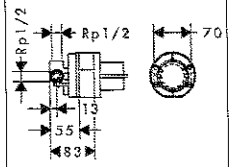
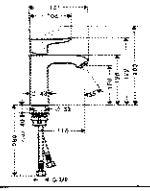
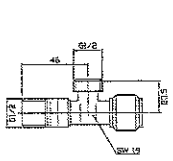
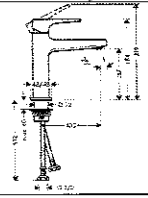
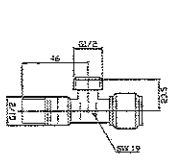
DATE: 21-06-2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: LEVEL 1395.5m WALLS & FLOOR FINISHES

DRAWN BY	N.S
CHECKED BY	T.N
SCALE ON A0	1:100
DRAWING NUMBER: ACE-LPT-DWG- 504-5	REV: 01
WORK STAGE	(STAGE 04)

SANITARY SCHEDULE (HANSGROHE& GEBERIT)

	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
IMAGE							
DIMENSION	1124x512mm	H:2002x L:990mm	H: 600x L:1000X W:42mm	H: 600x L:1200X W:42mm	H: 178x D:450X W:550mm	L:120mmX H:100mm&Dia:60mm	L:84mmX Dia:45mm&Dia:30mm
MATERIAL	*STAINLESS STEEL*	*Reflective fumé glass*		White		*Brass Chrome Plated*	*Plastic (Bright Chrome Plated)*
QUANTITY	●	●	●	●	●	●	●
DISCRIPTION	*Vernis Shape Showerpipe 230 1jet EcoSmart with thermostat*	Geberit walk-in shower panel,Premounted sealing profile under shower partition wall For mounting on shower trays 8mm thick Glass	*Geberit Option Basic illuminated mirror, lighting on both sides*	*Geberit Option Basic illuminated mirror, lighting at the top 100-230 V AC 12 V DC*	*Geberit countertop washbasin VariForm, rectangular, with tap hole bench*	*Geberit waste outlet with free outlet bright chrome-plated 180m*	*Geberit bottle trap with dip tube, for washbasin, horizontal outlet, d32mm G1 1/4" bright chrome-plated*
LOCATION	*LEVEL 1381.5 (Dressing room, 1-6) Female Change Rooms, Male Change Rooms.*	*LEVEL 1381.5 (Dressing room, 1-6) Female Change Rooms, Male Change Rooms.*	*LEVEL 1381.5 (Dressing room, 1-6) Female Change Rooms, Male Change Rooms and Family Toilet*	*LEVEL 1381.5 Female Change Rooms, Male Change Rooms. LEVEL 1385.0 Male Ablutions 1&2 Female Ablutions 1&2*	*LEVEL 1381.5 (Dressing room, 1-6) Female Change Rooms, Male Change Rooms and Family Toilet*	*LEVEL 1381.5 (Dressing room, 1-6) Female Change Rooms, Male Change Rooms and Family Toilet*	*LEVEL 1381.5 (Dressing room, 1-6) Female Change Rooms, Male Change Rooms and Family Toilet*
TECHNICAL DRAWING							
NAME	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	
IMAGE							
DIMENSION	*N/A*	*N/A*	*H:172X W:48X L:151mm*	*N/A*	H:219mmX L:159mmX W:48mm	N/A	
MATERIAL	*N/A*	*N/A*	*Chrome*	*N/A*	*Chrome*	N/A	
QUANTITY	●	●	●	●	●	●	
DISCRIPTION	[redacted] *Single lever shower mixer for concealed installation*	*Basic set for single lever shower mixer for concealed installation*	*The single-lever washbasin mixer Metris 110 is part of an exclusive hansgrohe bathroom design range with generous surfaces and a tapered body. The slender mixer is modern in appearance.*	*Benkiser Angle Regulating Valve C.P. ½*	*The Metropol 110 single lever basin tap features impressively vast surfaces and a geometric design to blend in with modern bathroom décor. Its large gap between spout and wash basin creates more room for many uses, including washing hands with ease*	*Benkiser Angle Regulating Valve C.P. ½*	
LOCATION	*LEVEL 1381.5 (Dressing room, 1-6) Female Change Rooms, Male Change Rooms.*	*LEVEL 1381.5 (Dressing room, 1-6) Female Change Rooms, Male Change Rooms.*	*LEVEL 1381.5 Female Change Rooms, Male Change Rooms. LEVEL 1385.0 Male Ablutions 1&2 Female Ablutions 1&2*	*LEVEL 1381.5 Female Change Rooms, Male Change Rooms. LEVEL 1385.0 Male Ablutions 1&2 Female Ablutions 1&2*	*LEVEL 1381.5 (Dressing room, 1-6) Female Change Rooms, Male Change Rooms, Female Change Room and Male Change Rooms.*	*LEVEL 1381.5 (Dressing room, 1-6) Female Change Rooms, Male Change Rooms, Female Change Room and Male Change Rooms.*	
TECHNICAL DRAWING							

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

[redacted] civil and Structural Engineers cc

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA

Department of SPORT, ARTS & CULTURE

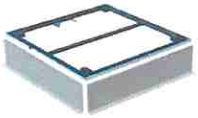
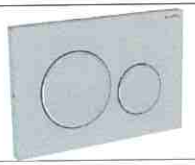
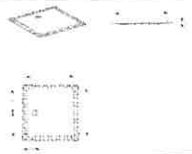
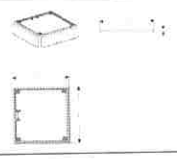
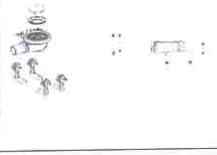
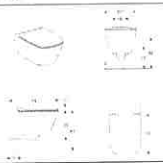
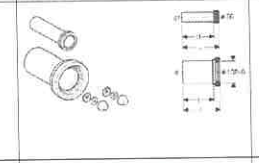
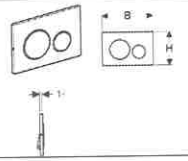
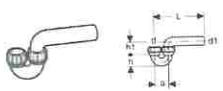
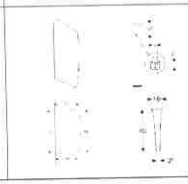
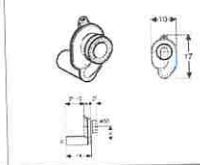
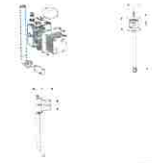
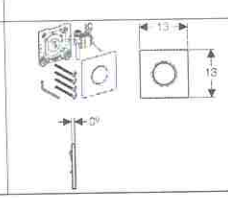
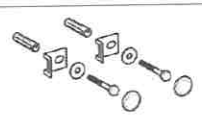
REV:	DESCRIPTION:	DATE:
00	FOR INFORMATION	2023/06/10

PROJECT:

CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER:	LDPWRI-10/1/1/R
REFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	10-06-2023
TITLE:	PROPOSED LIMPOPO THEATRE
SHEET CONTENT	SANITARY SCHEDULE
DRAWN BY:	MM
CHECKED BY:	TN
SCALE:	NTS
DRAWING NUMBER:	ACE-LPT-DWG-603-1
REV	00
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)

SANITARY SCHEDULE (GEBERIT)

IMAGE							
DIMENSION	L:900mmX W:900mm&H:900mm	L:900mmX Dia:900mm&Dia:900mm	N/A	H: 330x L:450X W:352mm	L: 300mm		L: 1080mm W:120mm
MATERIAL	*Vanicor (white alpine)*	*Powder coated steel*	N/A	DUROPLAST, ANTIBACTERIAL (WHITE)	*MATTE PLATED-CHROME*	*BRUSHED/POLISHED STAINLESS STEEL*	
QUANTITY	1	1	1	1	1	1	1
DISCRIPTION	*Geberit shower surface Setaplano*	*Installation frame Setaplano, for 4 feet, up to 100 cm: B:90cm L:90cm*	*Geberit installation set for Setaplano, depth of water seal 50 mm: d:52mm*	*Geberit Smyle Square set of wall-hung WC, shrouded, Rimfree, with WC seat, sandwich shape, Soft-closing mechanism, Quick-release hinges: white*	*Geberit connection set for wall-hung WC, length 300 MM*	*Geberit actuator plate Sigma30 for dual flush, screwable, stainless steel brushed/polished/ brushed*	Geberit Kombifix element for wall-hung WC, 108 cm, with Sigma concealed cistern 12 cm, SABS
LOCATION	*LEVEL 1381.5 (Dressing room, +-6) Female Change Rooms, Male Change Rooms*	*LEVEL 1381.5 (Dressing room, +-6) Female Change Rooms, Male Change Rooms.*	*LEVEL 1381.5 (Dressing room, +-6) Female Change Rooms, Male Change Rooms*	*LEVEL 1381.5 (Dressing room, +-6) Female Change Rooms, Male Change Rooms. LEVEL 1385.0 Male Ablutions 1&2 Female Ablutions 1 &2 family toilet*	*LEVEL 1381.5 (Dressing room, +-6) Female Change Rooms, Male Change Rooms. LEVEL 1385.0 Male Ablutions 1&2 Female Ablutions 1 &2 family toilet.*	*LEVEL 1381.5 (Dressing room, +-6) Female Change Rooms, Male Change Rooms. LEVEL 1385.0 Male Ablutions 1&2 Female Ablutions 1 &2 family toilet.*	*LEVEL 1381.5 (Dressing room, +-6) Female Change Rooms, Male Change Rooms. LEVEL 1385.0 Male Ablutions 1&2 Female Ablutions 1 &2 family toilet.*
TECHNICAL DRAWING							
NAME					GEBERIT FASTENING SET FOR URINAL		
IMAGE							
DIMENSION	*d50mm d1=50mm*	H:700mmX L:460mm W:400mm	N/A	N/A	SIZE: 160mm X 160mm	N/A	W:360mmX H:610mm D:370mm
MATERIAL	*Black*	*white*	*PLASTIC (White Alpine)*		*PLASTIC (Matt Chrome plated)*	*White*	*VITREOUS CHINA: White*
QUANTITY	1	1	1	1	1	1	1
DISCRIPTION	*Geberit P trap, vertical inlet and horizontal outlet, d50mm d1=50mm*	*Geberit urinal division: L:40cm B:50cm, H:70cm*	*Geberit urinal trap, horizontal outlet: d50mm white alpine*	*Installation set with flush pipe, for Geberit urinal flush control, universal*	*Geberit urinal flush control with pneumatic flush actuation, actuator plate type 01, matt chrome plated.*	*Geberit fastening set for urinal, Rotafix (2 pc.) white*	*Geberit Selnova urinal for concealed urinal control, outlet to the rear, white*
LOCATION	*LEVEL 1(Female Change Rooms,Male Change Rooms,Staff Change Female,Staff Change Male &Performers Dressing Rooms)*	LEVEL 1385.0 (Male Ablutions)	LEVEL 1385.0 (Male Ablutions)	LEVEL 1385.0 (Male Ablutions)	LEVEL 1385.0 (Male Ablutions)	LEVEL 1385.0 (Male Ablutions)	LEVEL 1385.0 (Male Ablutions)
TECHNICAL DRAWING							

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

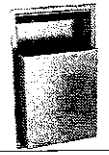
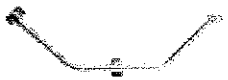
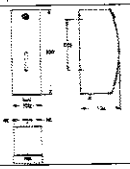
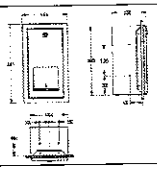
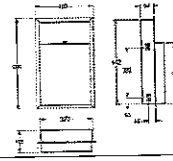
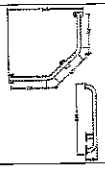
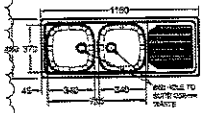
LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

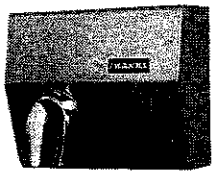
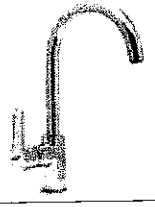
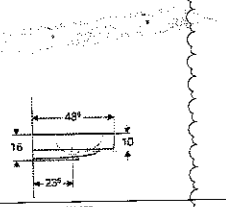
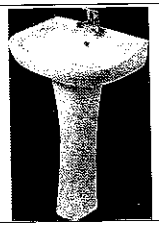
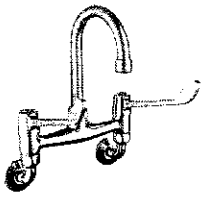
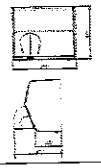
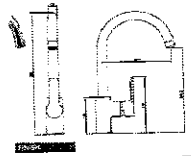
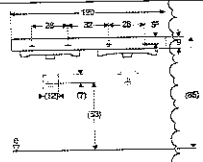
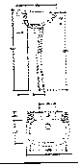
REV:	DESCRIPTION:	DATE:
00	FOR INFORMATION	2023/06/10

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER:	LDPWRI-10/1/1/R
REFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	10-06-2023
TITLE:	PROPOSED LIMPOPO THEATRE
SHEET CONTENT	SANITARY SCHEDULE
DRAWN BY:	MM
CHECKED BY:	TN
SCALE:	NTS
DRAWING NUMBER:	ACE-LPT-DWG-603-2
REV	00
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)

SANITARY SCHEDULE (FRANKE & GEBERIT)

IMAGE							
DIMENSION	*N/A*	*N/A*	*N/A*	*N/A*		Mass Volume Pan 14.00kg 0.075m³	*700L x 460W mm*
MATERIAL	*Satin Finished Stainless Steel*	*Satin Finished Stainless Steel*	*Satin Finished Stainless Steel*				*Staff Room*
QUANTITY							
DISCRIPTION	Surface mounted soap dispenser, manufactured from Grade 304 1.2/1.5mm Stainless Steel, satin finished with surface treatment - ImpRus (anti fingerprint).The main dispenser incorporates a replaceable and refillable 1 litre container which is suitable for liquid and antiseptic soaps and lotions. Cylinder lock with Franke standard key, includes mounting kit.ST/KB/1 100 x 134 x 304 2U0041	*Double toilet roll holder with spindle system for recessed mounting, 9.8 mm Stainless Steel, surface satin finished. Folded front cover. Cylinder lock with Franke standard key, for 2 rolls with max. Ø 120 mm, second roll will be released after consumption of first roll, reserve roll not visible, includes Stainless Steel screws and dowels. RO2/ASTEE T 184 x 175 x 341 2U0102*	Waste bin for recessed mounting, 9.8 mm Stainless Steel, surface satin finished Rounded edges, Cylinder lock with Franke standard key, capacity 23 liter capacity,mounting with its wall frame. Includes Stainless Steel screws and dowels. *RO/ABT/BSE 478 x 159 x 696 2120098*	No. 1 x "Chairman Industries" 32mm dia standard stainless steel grade 304 satin polished finish dog-legged side grab rail (code DL3) fixed to wall strictly to manufacturers specifications. Supplied complete with stainless steel fixing screws and plastic wall plugs for fixing.(or equal approved)	No. 1 x "Chairman Industries" 32mm dia standard stainless steel grade 304 satin polished finish rear grab rail around cistern (code SR2) fixed to wall strictly to manufacturers specifications. Supplied complete with stainless steel fixing screws and plastic wall plugs for fixing. (Or equal approved)	Vaal Sanitaryware vitreous china "Pearl Paraplegic" semi-close fire cistern complete with lid, fitments, and purpose made CP, side-flush lever (left or right). Supplied with purpose made thermoset seat and cover plate. The suite is designed to flush effectively on 6 litres.	Rajantiflex sinks are manufactured using state of the art monoblock technology for strength and hygiene. Sinks are supplied with 58mm PVC waste fittings with plugs. Sink Dimensions: 1160L x 460W mmBowl Dimensions: 340L x 370W x 140D mmCut-Out Dimensions: 1140L x 440W mmProduct Code: 1590031
LOCATION	*LEVEL 1381.5 (Dressing room, i-6) Female Change Rooms, Male Change Rooms.* LEVEL 1385.0 (Female, Male Ablutions and Family Toilet)	*LEVEL 1381.5 (Dressing room, i-6) Female Change Rooms, Male Change Rooms.* LEVEL 1385.0 (Female, Male Ablutions and Family Toilet)	*LEVEL 1381.5 (Dressing room, i-6) Female Change Rooms, Male Change Rooms.* LEVEL 1385.0 (Female, Male Ablutions and Family Toilet)	LEVEL 1385.0 (Female and Male disabled Ablutions.)	LEVEL 1385.0 (Female and Male disabled Ablutions.)	LEVEL 1385.0 (Female and Male disabled Ablutions.)	LEVEL 1385.0 *(Staff Room)*
TECHNICAL DRAWING					N/A	N/A	

NAME			GEBERIT ICON DOUBLE WASHBASIN		*PARAPLEGIC Medical Mixer elbow action medical CP mixer,*		
IMAGE							
DIMENSION	*N/A*	*N/A*	L:1200mm W:485mm	*N/A*	*N/A*		
MATERIAL	*Satin finished Stainless Steel*	*CHROME*	*Fine fireclay*	Vaal Sanitaryware vitreous china	*Medical Mixer elbow action medical CP mixer*		
QUANTITY							
DISCRIPTION	*Hand Dryer HK340HDSensor operated hand dryer for wall mounting, manufactured fromGrade 304 1.2mm Stainless Steel, satin finish. — Automatic on-off — 10mm air output of 28m/s at 65°C — Adjustable sensitivity from 150 to 350mm — Vandal resistant lock, screws and key wrench Electrical*	*• Ceramic Disk Cartridge with 'Anti -scrib+' Solid DZR Brass Construction.• Smart Lime Cleaning Aerator• Connection dimension: DN 15 • Connection type: G 1/2 " connection*	*Geberit iCon double washbasin,Can be installed with a washbasin cabinet.*	*Vaal Sanitaryware vitreous china 510x405mm roundec "Hibiscus" basin with three semi-punched tapholes (i.e available in zero,one,two or three taphole configurations) intergrated overflow, and chainstay hole through the centre semi-punched taphole.*	*No. off 15mm Medical Mixer elbow action medical CP mixer, wall type with bent connections at 178mm fixed centre and curved swan neck swivel outlets as "cobra 515/055-21 CPA" (Hot and cold water) Elbow action 1/4 turn ceramic disc wall type mixer with swivel outlet 1/2 BSP fixed male connection inlets with 178mm centres SANS 226 TYPE*		
LOCATION	*LEVEL 1381.5 (Dressing room, i-6) Female Change Rooms, Male Change Rooms. LEVEL 1385.0 Male Ablutions 1&2 Female Ablutions 1 &2 family toilet.*	LEVEL 1385.0 *(Restaurant Kitchen)*	*LEVEL 1381.5 (Dressing room, i-6) Female Change Rooms, Male Change Rooms. LEVEL 1385.0 Male Ablutions 1&2 Female Ablutions 1 &2 family toilet.*	LEVEL 1385.0 (Female and Male disabled Ablutions.)	LEVEL 1385.0 (Female and Male disabled Ablutions.)		
TECHNICAL DRAWING					N/A		

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

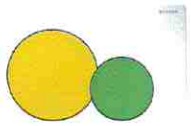
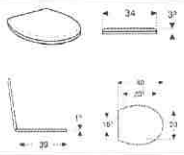
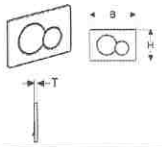
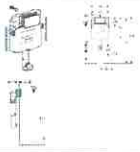
LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
Department of SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	FOR INFORMATION	2023/06/10
01	REVISED DISABLED ABLUTION SANITARY FITTINGS	2023/08/21

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER:	LDPWRI-10/1/1/R
REFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	10-06-2023
TITLE:	PROPOSED LIMPOPO THEATRE
SHEET CONTENT	SANITARY SCHEDULE
DRAWN BY:	MM
CHECKED BY:	TN
SCALE:	NTS
DRAWING NUMBER:	ACE-LPT-DWG-603-3
REV	01
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)

SANTARY SCHEDULE (GEBERIT)

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
IMAGE				
DIMENSION	D:580mm W:350mm H:340mm	N/A	N/A	N/A
MATERIAL	Vitreus China (White)	Duroplast (WHITE)	Plastic White,Yellow & Green	
QUANTITY	1	1	1	1
DISCRIPTION	Geberit Bambini floor standing WC for children, washdown, for use design, for WC seat 150 mm, white	Geberit Bambini WC seat white	Geberit actuator plate Sigma01 for dual flush white, yellow/ green Dual Flush	Geberit Sigma concealed cistern 12 cm, 6/ 3 litres, SAR6
LOCATION	LEVEL 1385.0 (Family Toilet)	LEVEL 1385.0 (Family Toilet)	LEVEL 1385.0 (Family Toilet)	LEVEL 1385.0 (Family Toilet)
TECHNICAL DRAWING				

[redacted]

- -ALL PIPES, WHERE POSSIBLE AND SUBJECT TO THE LOCAL AUTHORITY REQUIREMENT ARE TO BE BUILT-IN RATHER THAN SURFACE MOUNTED OR CHASED INTO WALLS. ALL CHASES, WHERE REQUIRED WILL BE NEATLY EXECUTED AND NO EXCESSIVE CHASING OF WALLS WILL BE PERMITTED.
- -THE CONTRACTOR IS TO ENSURE THAT ALL PLUMBING PIPES OCCURRING UNDERGROUND ARE PROPERLY PROTECTED BY APPROVED AND RECOGNISED METHOD OF PROTECTION. GALVANISED PIPEWORK MUST BE EITHER WRAPPED OR PAINTED WITH EPOXY PAINT, TO AN APPROVED SPECIFICATION DEPENDING UPON DIAMETER OF PIPEWORK. PIPEWORK OF THE OTHER MATERIALS IS TO HAVE THE APPROPRIATE METHOD OD PROTECTION APPLIED.
- -WHEREVER POSSIBLE, PIPEWORK IS TO BE RUN ABOVE GROUND IN CEILING VOIDS AND APPROVED SPACES, IN PREFERENCE TO BEING RUN UNDERGROUND.
- -POSITION AND ROUTING OF ALL INTERNAL PIPEWORK SHALL BE TO THE ARCHITECT'S APPROVAL AND IN ACCORDANCE WITH THE LOCAL AUTHORITIES' REQUIREMENTS.
- -ANY PIPEWORK PASSING BENEATH STRUCTURED OR ROADWAYS OR WHERE LOADING OF ANY SORT MAY CAUSE DAMAGE TO THE PIPEWORK IS TO BE SUITABLY HAUNCHED AND/OR PROTECTED IN CONCRETE.
- -THE CONTRACTOR IS TO ENSURE THAT ALL PIPES REQUIRED TO BE CAST IN UNDER BUILDINGS, ETC, ARE PLACED IN POSITION AND FULLY TESTED PRIOR TO CASTING OF ANY CONCRETE FOUNDATIONS, SURFACE BEDS, ETC. OVER THESE.
- -ALL EXPOSED PIPE SERVICES AND CABLE TRAYS ARE TO BE PAINTED IN WHITE HIGH GLOSS ENAMEL

[redacted]

SOIL PIPES - PWD BROWN
WASTE PIPES - BRILLIANT GREEN
SOIL VENT PIPES - SIGNAL RED
WASTE VENT PIPES - LIGHT BLUE
FIRE HOSEREEL PIPEWORK - SIGNAL RED
COLD WATER SUPPLY - DEEP BLUE
HOT WATER SUPPLY - MAGIC GREEN

- WHERE SPECIFIC MANUFACTURER'S INSTRUCTIONS RECOMMENDATIONS CONTRADICTS THAT OF THE *OHSA*, *NBR OR SABS* THEN THE ARCHITECT IS TO IMMEDIATELY BE NOTIFIED PRIOR TO COMMENCEMENT WITH THE AFFECTED TRADE/INSTALLATION.
- ANY DISCREPANCY OR CONTRADICTION TO IMMEDIATELY BE REPORTED TO THE ARCHITECT IN WRITING.
- ALL DIMENSIONS AND MATERIALS TO BE CHECKED ON SITE PRIOR TO ODERING OF MANUFACTURING.
- [redacted]

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

J&T Architects and Civil Engineers cc
[redacted]

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	FOR INFORMATION	2023/06/10

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 10-06-2023

TITLE:
PROPOSED LIMPOPO THEATRE

SHEET CONTENT:
SANITARY SCHEDULE

DRAWN BY: MM

CHECKED BY: TN

SCALE: NTS

DRAWING NUMBER: ACE-LPT-DWG-603-4

REV: 00

WORK STAGE: DESIGN DEVELOPMENT - (STAGE 03)

SANITARY SCHEDULE GUARD HOUSE (GEBERIT & FRANKE)

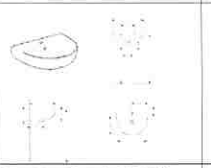
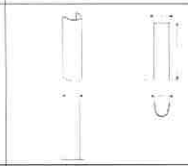
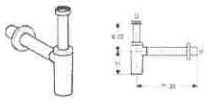
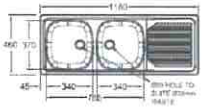
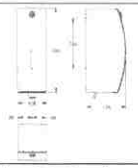
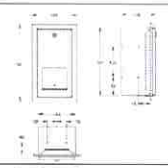
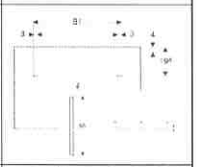
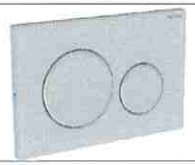
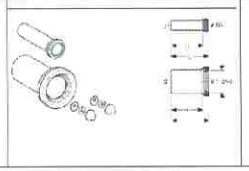
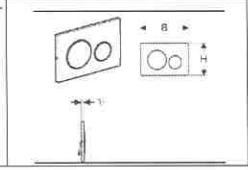
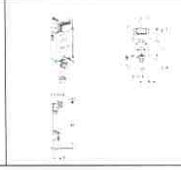
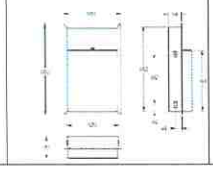
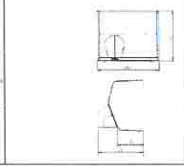
IMAGE								
DIMENSION	D 410mm W 500mm H 180mm	N/A	N/A	L 500mm	1160L x 460W mm	N/A	N/A	H 600x L1200X W 42mm
MATERIAL	Vitreous China (White)	Vitreous China (White)	Plastic (Bright chrome plated)	Brass Chrome - plat(bright chrome -plated)	N/A	Satin Finished Stainless Steel	Satin Finished Stainless Steel	White
QUANTITY	1	1	1	1	1	1	1	1
DISCRIPTION	Geberit Selnova handrinse basin, 450cm white with 1 tap hole	Geberit Selnova tail pedestal, white	Geberit bottle trap with dip tube, for washbasin, horizontal outlet, Ø32mm, G1 1/4", bright chrome -plated	Geberit waste outlet with free outlet, bright chrome - plated 5cm	[redacted] Powerflow sinks are manufactured using state of the art moulding technology for strength and hygiene. Sinks are supplied with 38mm PVC waste fittings with plugs. Sink Dimensions: 1160L x 460W. Inset/flow Dimensions: 1400 x 700W x 140D mm Cut Out Dimension: 1148L x 448W mm Radius: 7 Code: 1948031	[redacted] Surface mounted soap dispenser, manufactured from Grade 304 (1.4 %mo. Stainless Steel, satin finished with surface treatment. Invisible seal fingerproof. The soap dispenser incorporates a replaceable and refillable 1 litre container which is suitable for liquid and antiseptic soaps and lotions. Cylinder lock with Franke standard key, includes mounting kit STR18 (B 190 x 151 x 304 210/001	Double toilet roll holder with spindle system for recessed mounting. 0.8 mm Stainless Steel surface satin finished. Folded front cover. Cylinder lock with Franke standard key. For 2 rolls with max. Ø 135 mm, second roll will be released after consumption of first roll, reserve roll not visible, includes Stainless Steel screws and dowels. RDY9612L / 184 x 138 x 341 210/902	Geberit Option Basic illuminated mirror, lighting at the top 100 - 230 V AC 12 V DC
LOCATION	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House
TECHNICAL DRAWING								

IMAGE								
DIMENSION	H 330 x L 450 W 352mm	L 300mm	N/A	L 1080mm W 120mm	N/A	N/A	N/A	H 172 X W 488 X L 157mm
MATERIAL	DUROPLAST, ANTIBACTERIAL (WHITE)	BRUSHED/POLISHED MATTE PLATED- CHROME	BRUSHED/POLISHED STAINLESS STEEL		CHROME	Satin Finished Stainless Steel	Satin finished Stainless Steel	Chrome
QUANTITY	1	1	1	1	1	1	1	1
DISCRIPTION	Geberit Smart Square set of wall -hung WC, rimless, white, with WC seat, soft-touch shape, Soft closing mechanism, Quick-release hinges, white	Geberit connection set for wall -hung WC, length 300 MM	Geberit actuation plate Sigma30 for dual flush, removable stainless steel brushed/polished/chrome	Geberit Sanibloc element for wall -hung WC, 128 cm, with Sigma concealed cistern 12 cm, SARS	[redacted] • Ceramic Disk Cartridge with lever • Solid CP Brass Construction • Smart Flow Cleaning device • Connection dimension: DN 15 • Connection type: G 1/2 " connection	[redacted] Waste bin for recessed mounting, 0.8 mm Stainless Steel surface satin finished Recessed edges. Cylinder lock with Franke standard key, approx. 15 liter capacity, mounting with in-wall frame, includes Stainless Steel screws and dowels. RDY9605L / 408 x 168 x 660 210/998	Hand Dryer HF3400HDSensor operated hand dryer for wall mounting manufactured from Grade 304 1.2mm Stainless Steel, satin finish — Automatic On/Off — Warm air output of 2kw's at ±5°C — Adjustable sensitivity from 100 to 400mm — Vandal resistant lock, screws and key — Centrifugal	The single lever washbasin mixer Metris 110 is part of an exclusive hansgrohe bathroom design range with generous surfaces and a tapered body. The slender mixer is modern in appearance.
LOCATION	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House
TECHNICAL DRAWING								

- -ALL PIPES WHERE POSSIBLE AND SUBJECT TO THE LOCAL AUTHORITY REQUIREMENT ARE TO BE BUILT-IN RATHER THAN SURFACE MOUNTED OR CHASED INTO WALLS. ALL CHASES WHERE REQUIRED WILL BE NEATLY EXECUTED AND NO OVERSIZE CHASING OR WALLS WILL BE PERMITTED.
- -THE CONTRACTOR IS TO ENSURE THAT ALL PLUMBING PIPES OCCURRING UNDERGROUND ARE PROPERLY PROTECTED BY APPROVED AND RECOGNISED METHOD OF PROTECTION. GALVANISED PIPEWORK MUST BE EITHER WRAPPED OR PAINTED WITH EPOXY PAINT, TO AN APPROVED SPECIFICATION, DEPENDING UPON DIAMETER OF PIPEWORK. PIPEWORK OF THE OTHER MATERIALS IS TO HAVE THE APPROPRIATE METHOD OD PROTECTION APPLIED.
- -WHERE VER POSSIBLE, PIPEWORKS IS TO BE RUN ABOVE GROUND IN CEILING VOIDS AND APPROVED SPACES, IN PREFERENCE TO BEING RUN UNDERGROUND.
- -POSITION AND ROUTING OF ALL INTERNAL PIPEWORK SHALL BE TO THE ARCHITECT'S APPROVAL AND IN ACCORDANCE WITH THE LOCAL AUTHORITIES REQUIREMENTS.
- -ANY PIPEWORK PASSING BENEATH STRUCTURED OR ROADWAYS OR WHERE LOADING OF ANY SORT MAY CAUSE DAMAGE TO THE PIPEWORK IS TO BE SUITABLY HAUNCHED AND/OR PROTECTED IN CONCRETE.
- -THE CONTRACTOR IS TO ENSURE THAT ALL PIPES REQUIRED TO BE CAST IN UNDER BUILDINGS, ETC. ARE PLACED IN POSITION AND FULLY TESTED PRIOR TO CASTING OF ANY CONCRETE FOUNDATIONS, SURFACE BEDS, ETC. OVER THESE.
- -ALL EXPOSED PIPE SERVICES AND CABLE TRAYS ARE TO BE PAINTED IN WHITE HIGH GLOSS PAINT.

SOIL PIPES - PWD BROWN.
WASTE PIPES - BRILLIANT GREEN.
SOIL VENT PIPES - SIGNAL RED.
WASTE VENT PIPES - SKY BLUE.
FIRE HOSEREEL PIPEWORK - SIGNAL RED.
COLD WATER SUPPLY - DEEP BLUE.
HOT WATER SUPPLY - MAGIC GREEN.

- -WHERE SPECIFIC MANUFACTURERS INSTRUCTIONS /RECOMMENDATIONS CONTRADICTS THAT OF THE CONTRACT WORKS SAID THEN THE ARCHITECT IS TO IMMEDIATELY BE NOTIFIED PRIOR TO COMMENCEMENT WITH THE AFFECTED TRADE/INSTALLATION.
- -ANY DISCREPANCY OR CONTRADICTION TO IMMEDIATELY BE REPORTED TO THE ARCHITECT IN WRITING.
- -ALL DIMENSIONS AND MATERIALS TO BE CHECKED ON SITE PRIOR TO ORDERING OF MANUFACTURING.

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

dtct. Architects and Civil Engineers cc

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

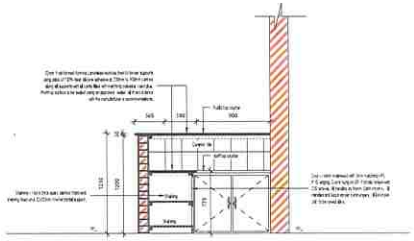
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

REV.	DESCRIPTION:	DATE:
00	FOR INFORMATION	2023/06/10

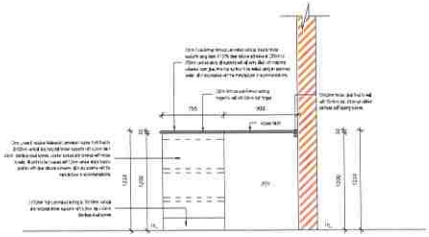
PROJECT:

CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY.

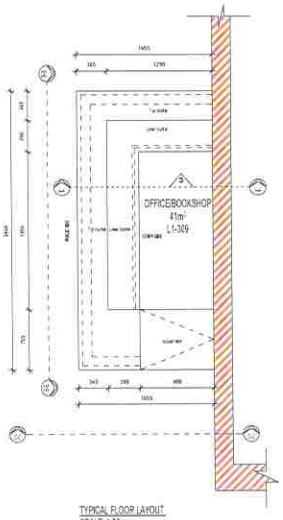
PROJECT NUMBER:	LDPWRI-10/1/1/R
REFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	10-06-2023
TITLE:	PROPOSED LIMPOPO THEATRE
SHEET CONTENT:	SANITARY SCHEDULE
DRAWN BY:	MM
CHECKED BY:	TN
SCALE:	NTS
DRAWING NUMBER:	ACE-LPT-DWG-603-5
REV	00
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)



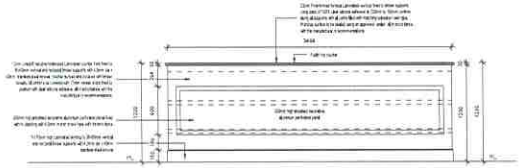
SECTION A-A
SCALE 1:20



TYPICAL ELEVATION C-C
SCALE 1:20



TYPICAL FLOOR LAYOUT
SCALE 1:20



TYPICAL ELEVATION B-B
SCALE 1:20

BOOKSHOP COUNTER JOINERY DETAILS
SCALE 1:20

ALL DISCREPENCIES TO BE BROUGHT TO
ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
01	-	-
02	-	-
03	-	-
04	-	-
05	-	-
06	-	-
07	-	-
08	-	-

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER:
LDPWR&I-SP1/1/R

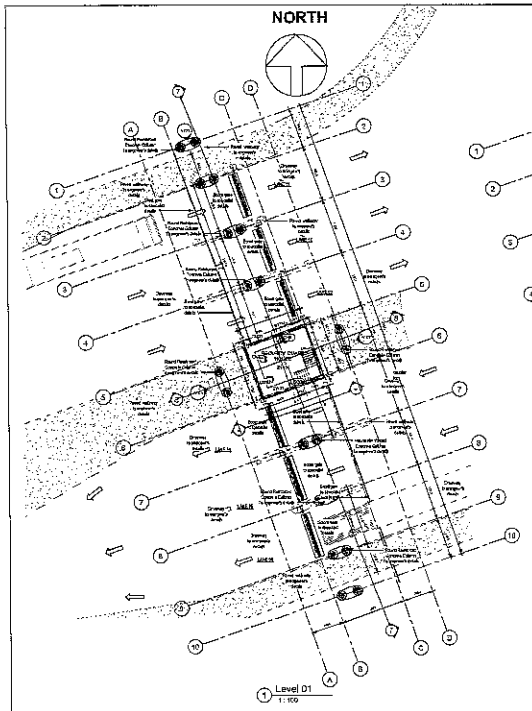
PROJECT NUMBER:
TBA

DATE:
16/09/2023

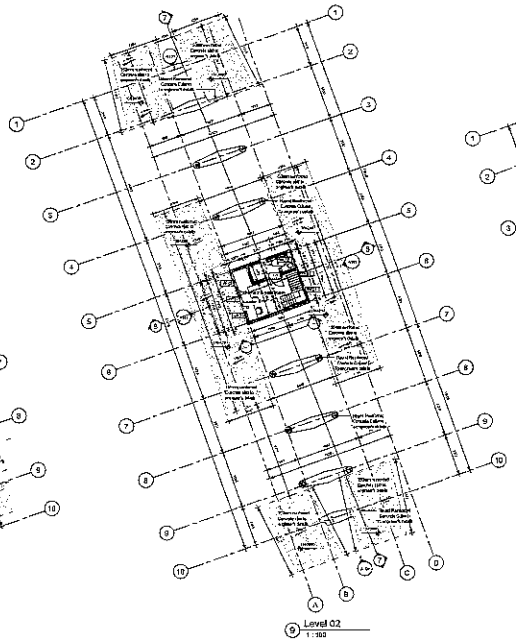
TITLE:
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT:
BOOKSHOP COUNTER JOINERY DETAILS

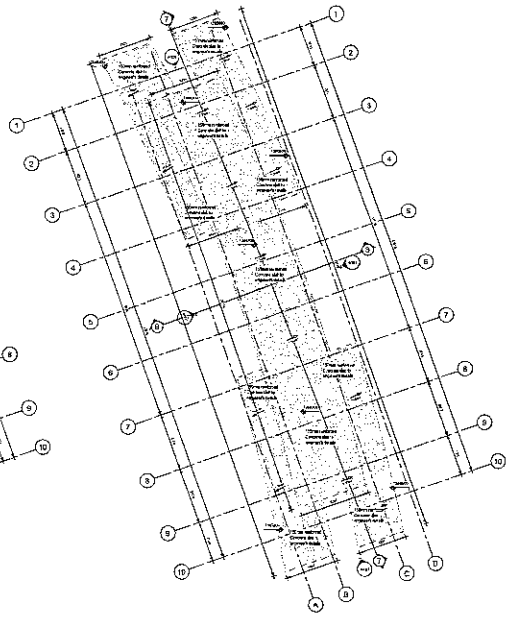
DRAWN BY	M.S
CHECKED BY	E.L
SCALE ON A0	1:20
DRAWING NUMBER	REV.
ACSLPT-DWG-484	04
WORK STAGE	(STAGE 04)

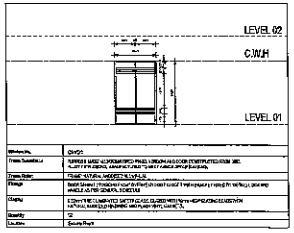


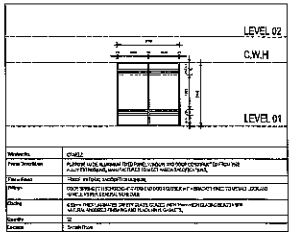
1 Level 01
1 : 100

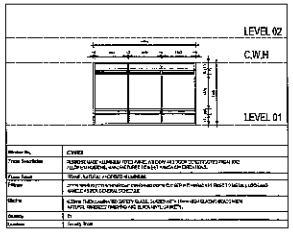


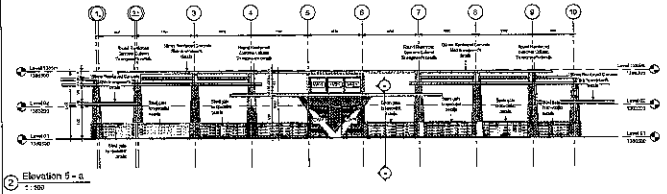
9 Level 02
1 : 100



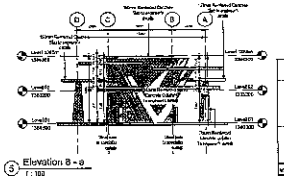




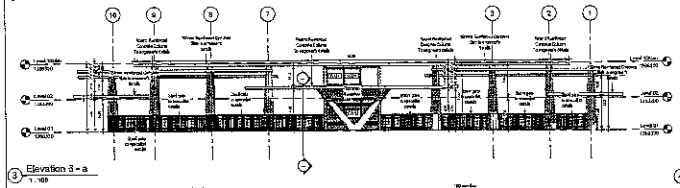




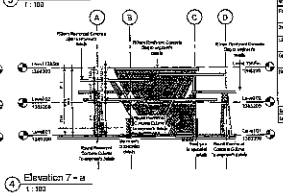
2 Elevation 5 - a
1 : 100



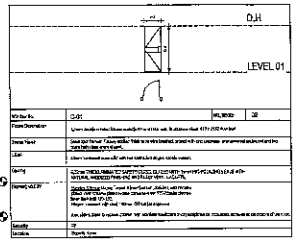
3 Elevation 8 - a
1 : 100

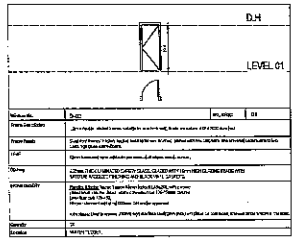


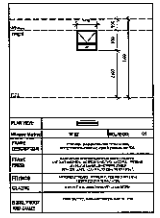
3 Elevation 3 - a
1 : 100

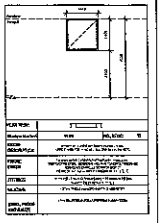


4 Elevation 7 - a
1 : 100

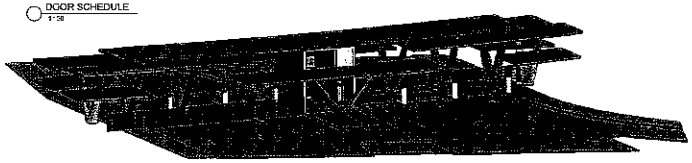






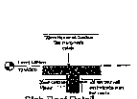


DOOR SCHEDULE
1 : 50





12 Slab Detail
1 : 25



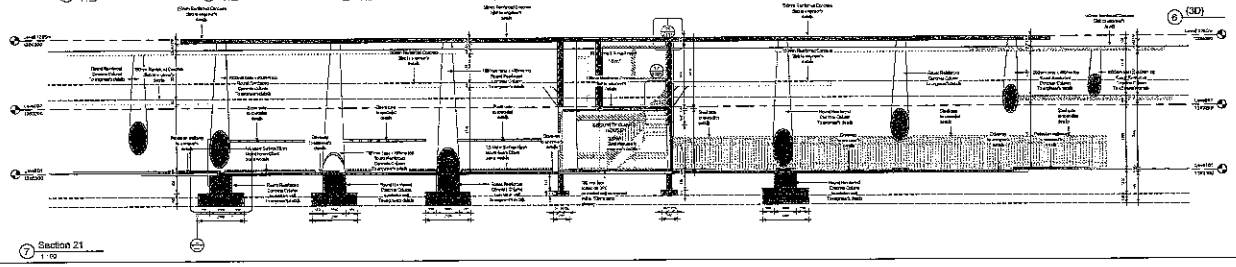
13 Slab Roof Detail
1 : 25



14 Foundation detail
1 : 25

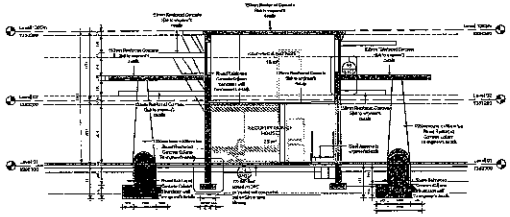


15 Slab Detail 02
1 : 25



7 Section 21
1 : 100

6 (3D)



6 Section 22
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

ACC architects and Civil Engineers

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

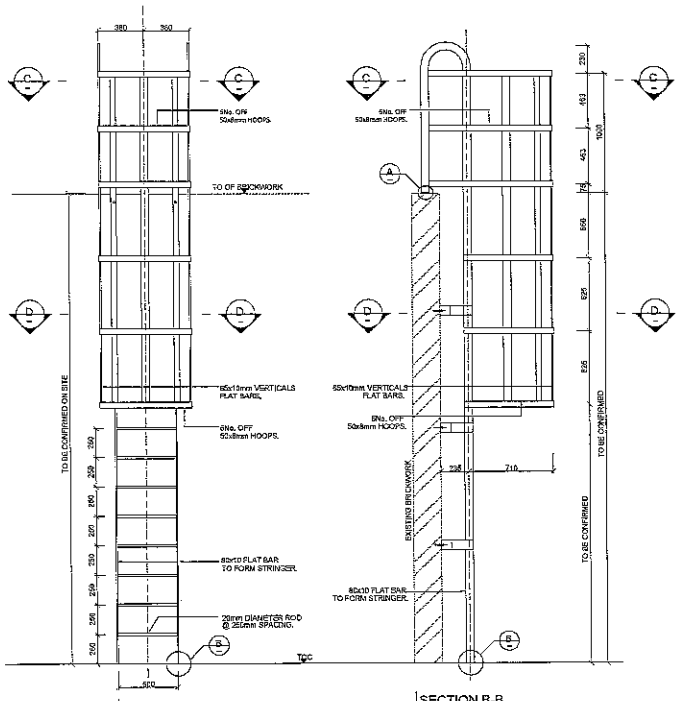
USER CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	FIRST ISSUE	31-05-2023

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

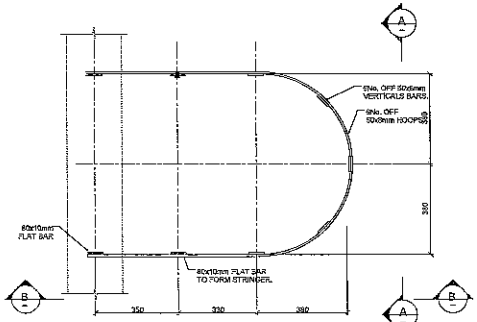
PROJECT NUMBER:	ACE-LT-21-
RTEFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	17-06-2023
TITLE:	PROPOSED LIMPOPO PROVINCIAL THEATRE
SHEET CONTENT	SECURITY GUARD HOUSE
DRAWN BY:	A.M
CHECKED BY:	T.N
SCALE:	As Shown
DRAWING NUMBER:	ACE-LPT-DWG-800
REV:	00
WORK STAGE	DESIGN DEVELOPMENT (WORK STAGE 4)



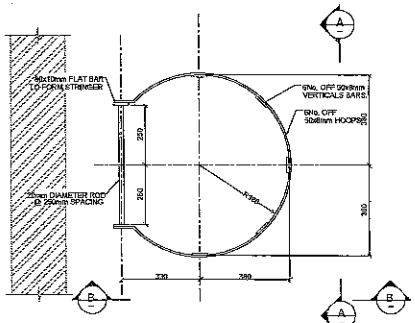
ELEVATION A-A
AD-004 SCALE 1 : 20

CAT LADDER
AD-004 SCALE 1 : 20

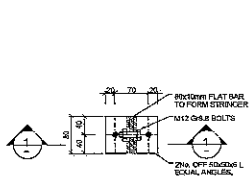
SECTION B-B
AD-004 SCALE 1 : 20



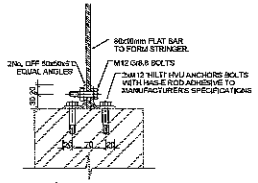
SECTION C-C
AD-004 SCALE 1 : 10



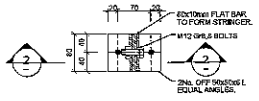
SECTION D-D
AD-004 SCALE 1 : 10



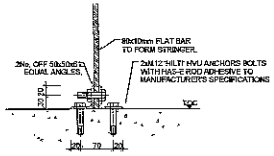
A DETAIL A
AD-004 SCALE 1 : 5



1 SECTION 1
AD-004 SCALE 1 : 5



B DETAIL B
AD-004 SCALE 1 : 5



2 SECTION 2
AD-004 SCALE 1 : 5

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

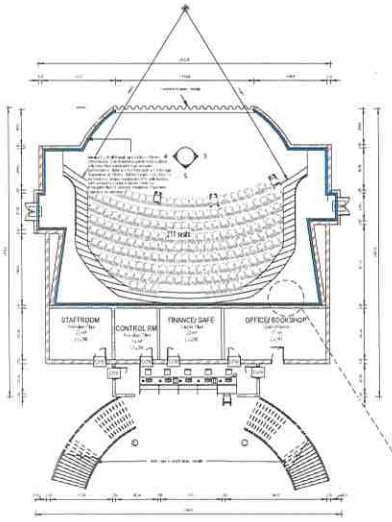
USER CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

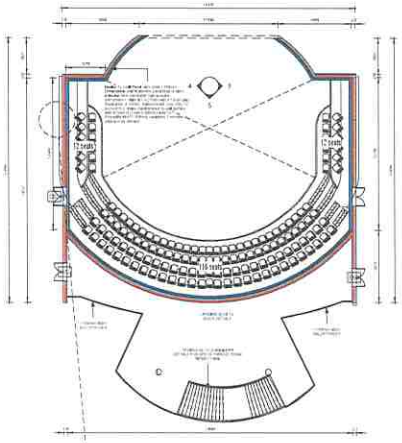
REV:	DESCRIPTION:	DATE:
00	DESIGN	2023/05/15

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT RAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

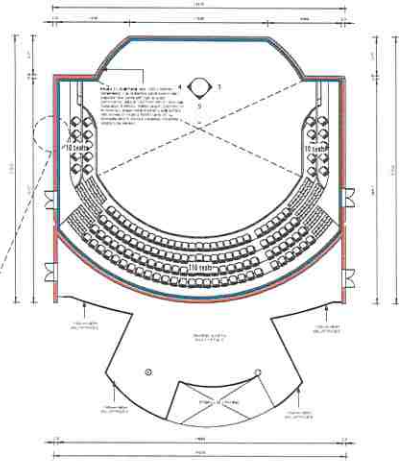
PROJECT NUMBER:	LDPWRI-10/1/1/R
REFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	15-06-2023
TITLE:	PROPOSED LIMPOPO THEATRE
SHEET CONTENT:	CATLADDER DETAIL DRAWING
DRAWN BY:	NS
CHECKED BY:	T.N
SCALE:	As indicated on drawing
DRAWING NUMBER:	ACE-LPT-DWG-CT-01
REV	00
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)



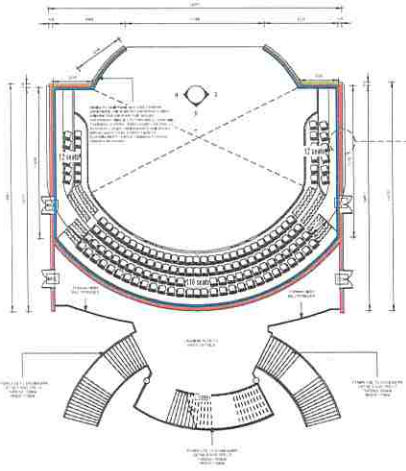
1 FIRST LEVEL LAYOUT
1 : 150



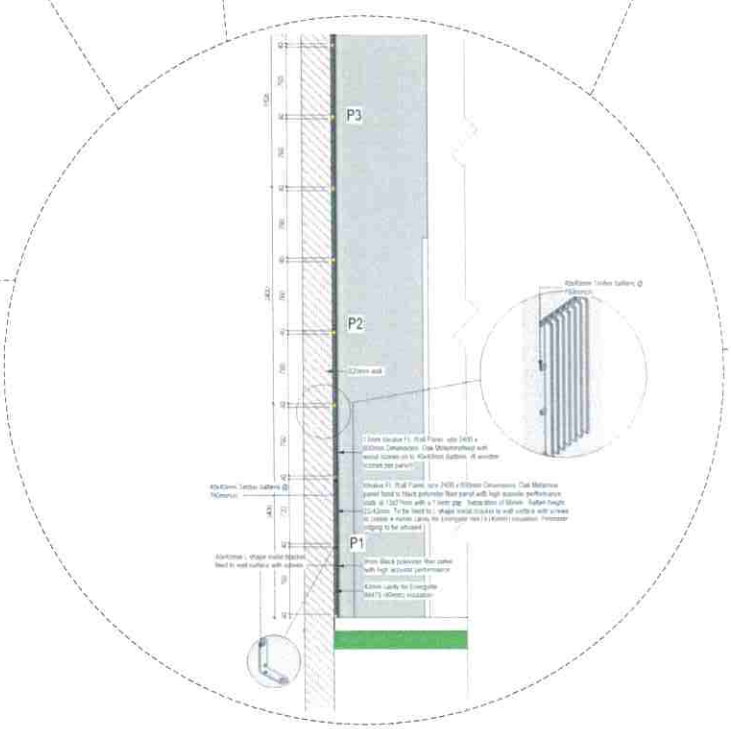
3 level 3
1 : 150



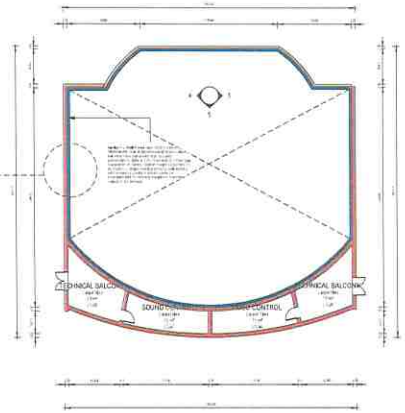
4 level 4
1 : 150



2 level 2
1 : 150



IDEALUX FL WITH INSULATION TIMBER WALL PANELS CONNECTION DETAIL



5 level 5
1 : 150

153

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

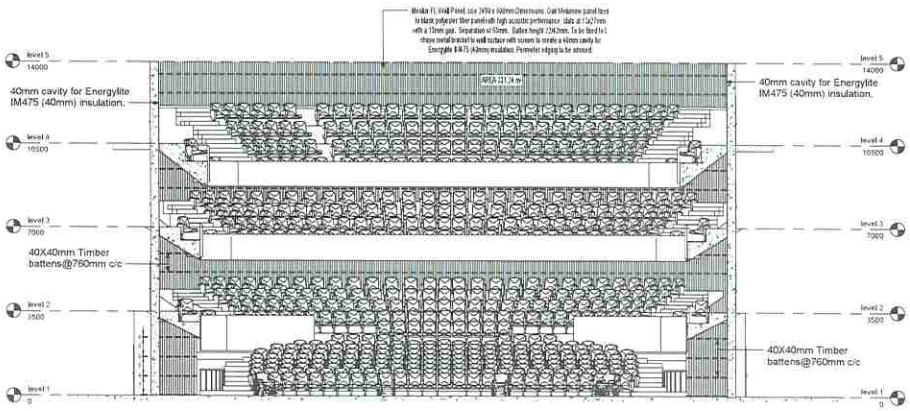
CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

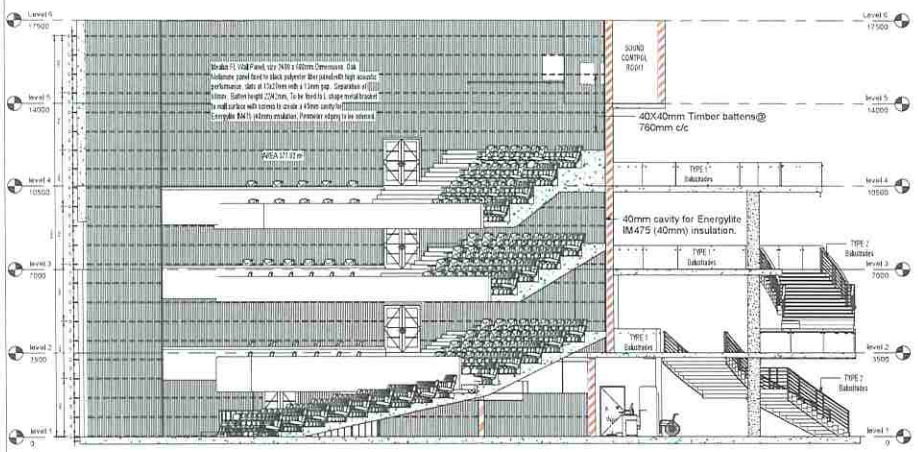
NO.	DESCRIPTION	DATE
01	1ST ISSUE	2022-04-29

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE/ CAPRICORN DISTRICT MUNICIPALITY

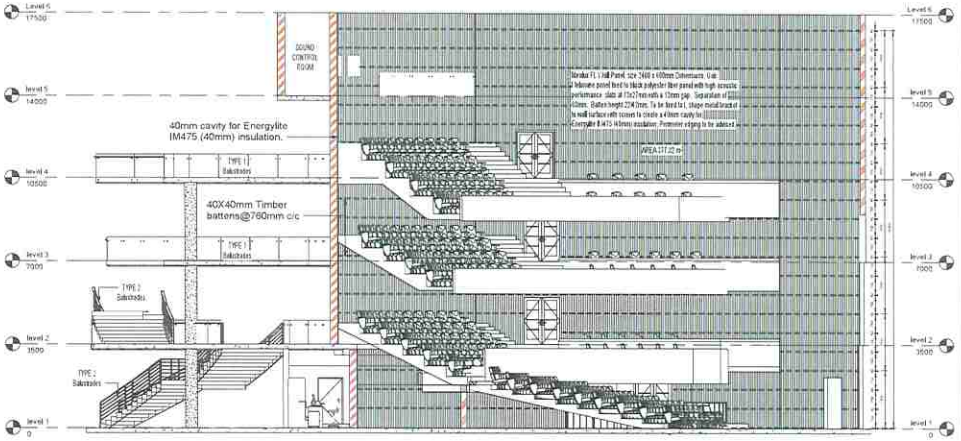
REFERENCE NUMBER	LDPWR-10/11/R
PROJECT NUMBER	LDPWR-10/11/R
DATE	29-09-2022
TITLE	LIMPOPO PROVINCIAL THEATRE
SHEET CONTENT	ACOUSTIC PANELS FLOOR PLANS AND CONNECTION DETAILS
DRAWN BY	GM
CHECKED BY	SC
SCALE	1 : 150
DRAWING NUMBER	ACE-LPT-DWG-MTWR-01
REV	00
WORK STAGE	STAGE 04



5 Elevation 4
1 : 75



3 Elevation 3
1 : 75



4 Elevation 1
1 : 75

ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
Department of
SPORT, ARTS & CULTURE

No.	Description	Date
01	- ISSUED	20.09.22

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER
LDPWRI-10/11/R

PROJECT NUMBER
LDPWRI-10/11/R

DATE
20-09-2022

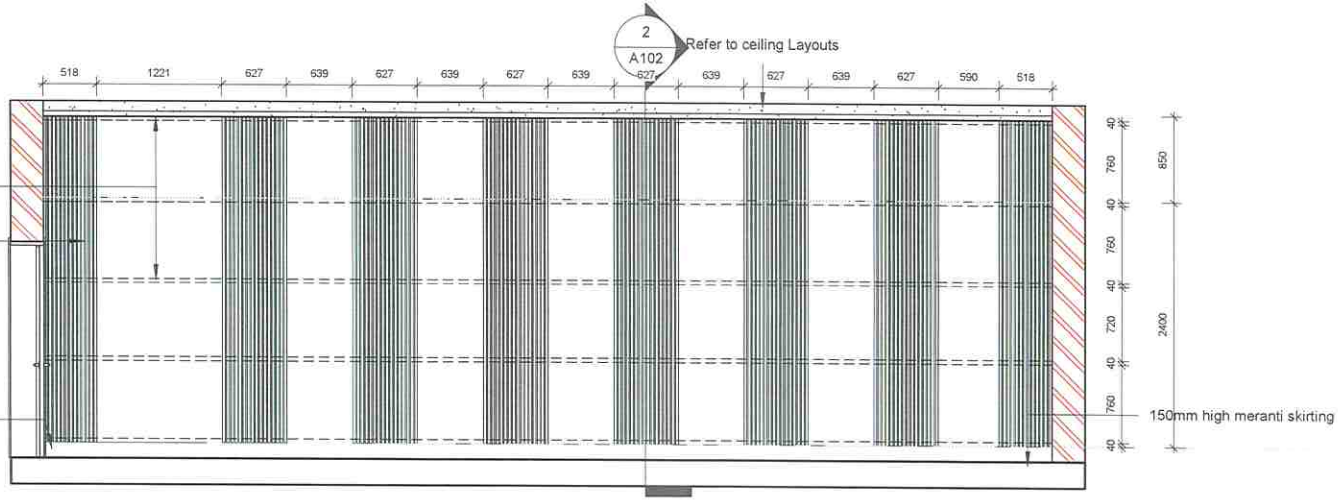
TITLE
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
ACOUSTIC DETAILS ELEVATIONS

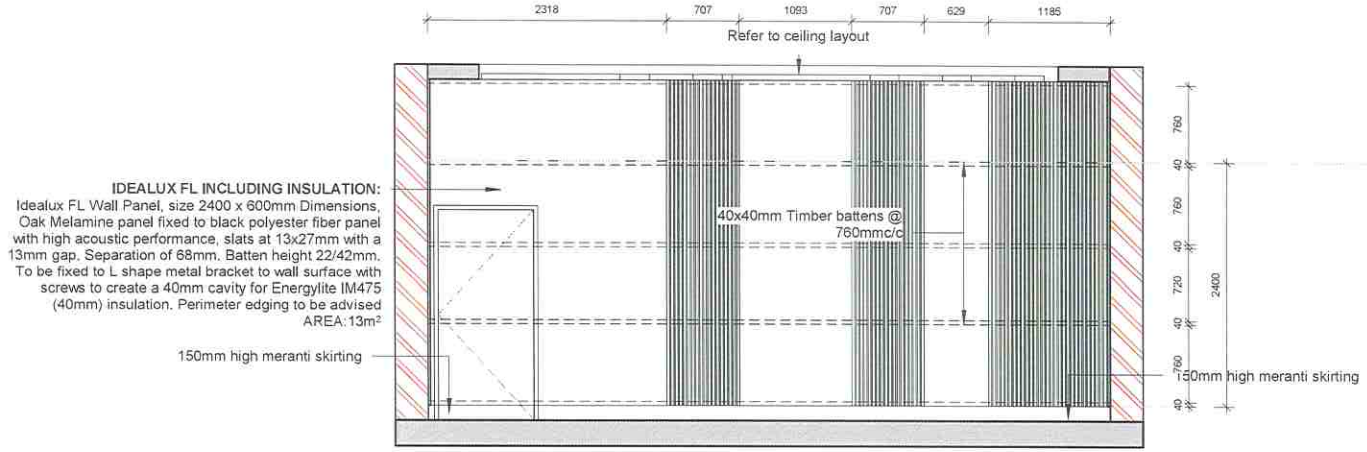
DRAWN BY	GM
CHECKED BY	BC
SCALE	1 : 75
DRAWING NUMBER	REV
ACS-LPT-DWG-MT/VP-02	00

WORK STAGE
STAGE 04

134



1 Elevation 3
1 : 50



2 Elevation 1
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

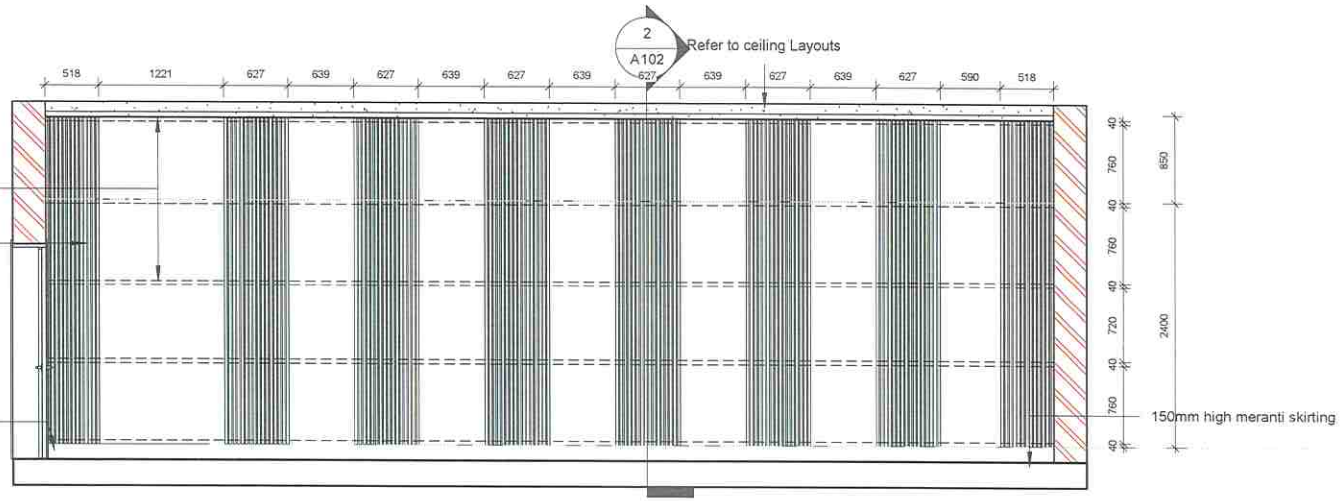
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

TITLE:
REHEARSAL ROOM 2 ELEVATION 1 & 3

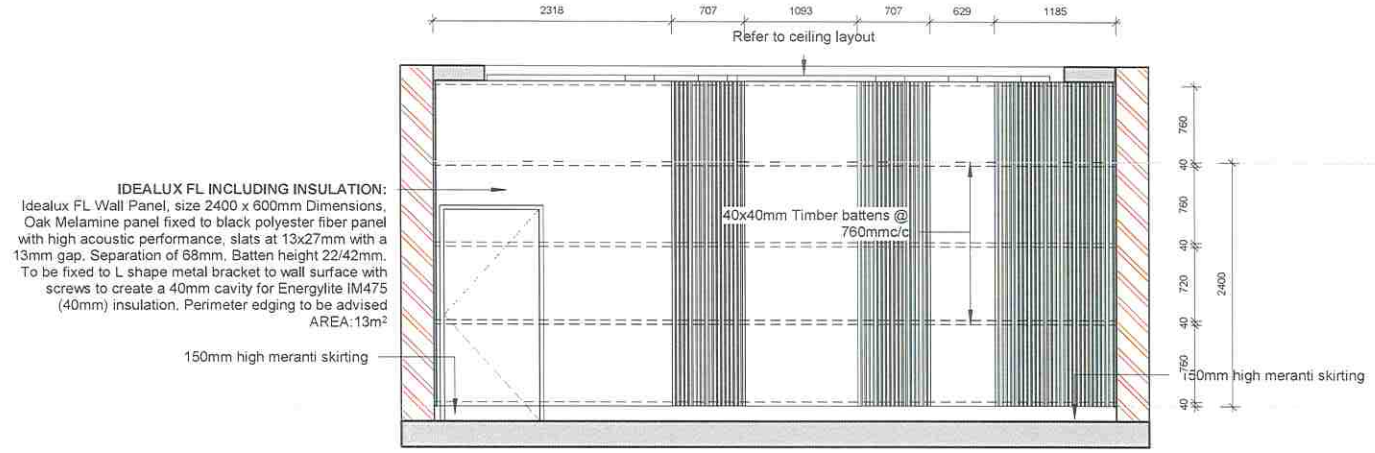
WORK STAGE: DESIGN DEVELOPMENT (STAGE 3)

USER CLIENT: LIMPOPO

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50
Drawn by MM	DRAWING NUMBER: ACE-LPT-DWG-RH-01	REV
Checked by TN	REFERENCE NUMBER LDPWRI-10/1/1/R	00



1 Elevation 3
1 : 50



2 Elevation 1
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT: civil, electrical and fire Engineers

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

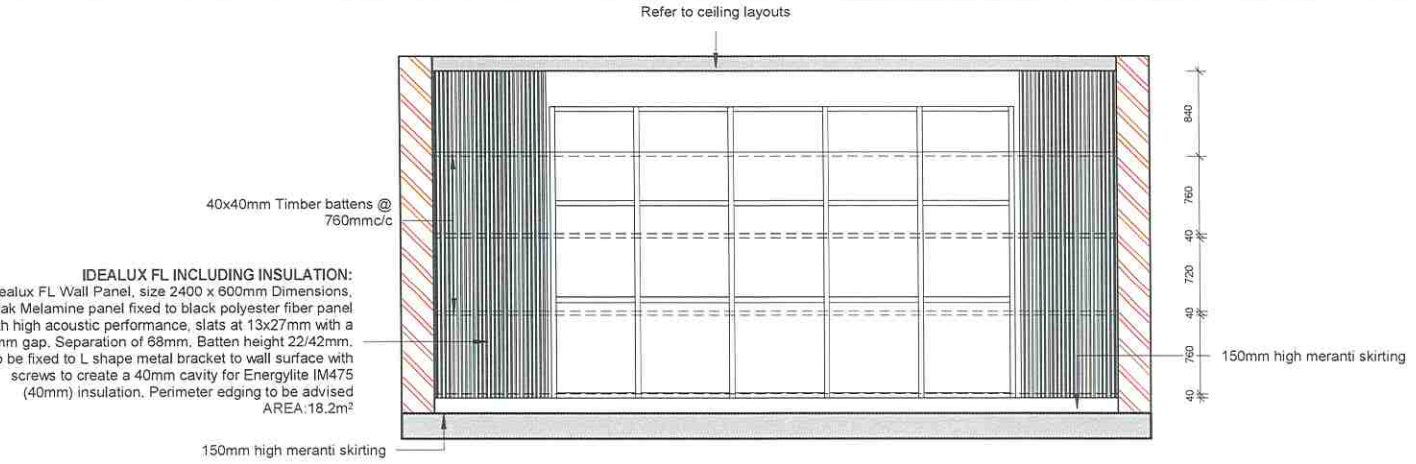
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

TITLE:
REHEARSAL ROOM 2 ELEVATION 1 & 3

WORK STAGE: DESIGN DEVELOPMENT (STAGE 3)

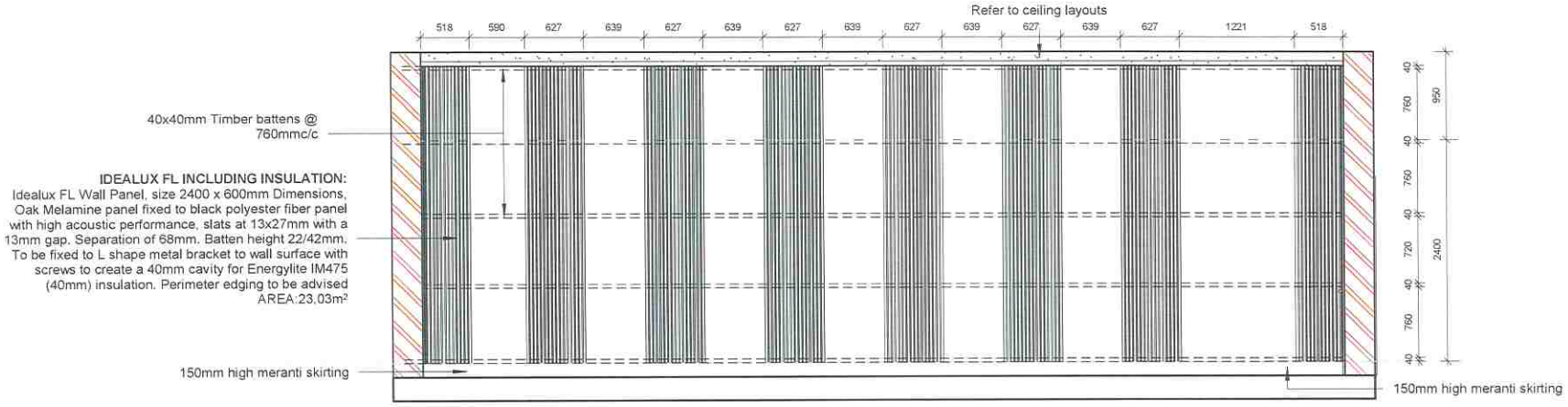
USER CLIENT: LIMPOPO

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50	
Drawn by MM	DRAWING NUMBER ACE-LPT-DWG-RH-01		REV
Checked by TN	REFERENCE NUMBER : LDPWRI-10/1/1/R		00



1 Elevation 4

1 : 50



2 Elevation 2

1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

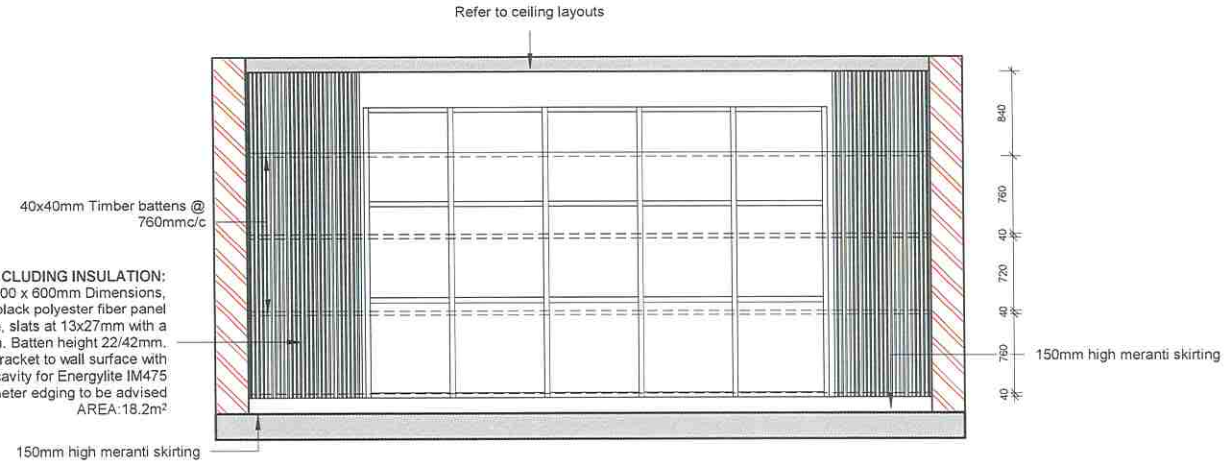
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

TITLE:
REHEARSAL ROOM 2 ELEVATION 2 & 4

WORK STAGE: DESIGN DEVELOPMENT (STAGE 3)

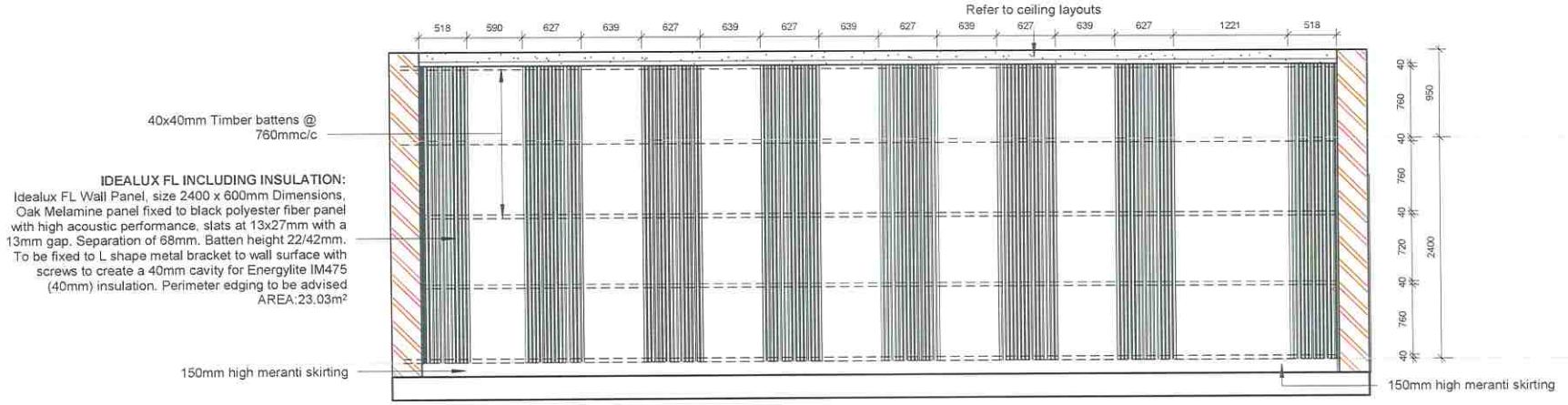
USER CLIENT: LIMPOPO PROVINCIAL GOVERNMENT

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50
Drawn by MM	DRAWING NUMBER: ACE-LPT-DWG-RH-03	REV
Checked by TN	REFERENCE NUMBER : LDPWRI-10/1/1/R	00



1 Elevation 4

1 : 50



2 Elevation 2

1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

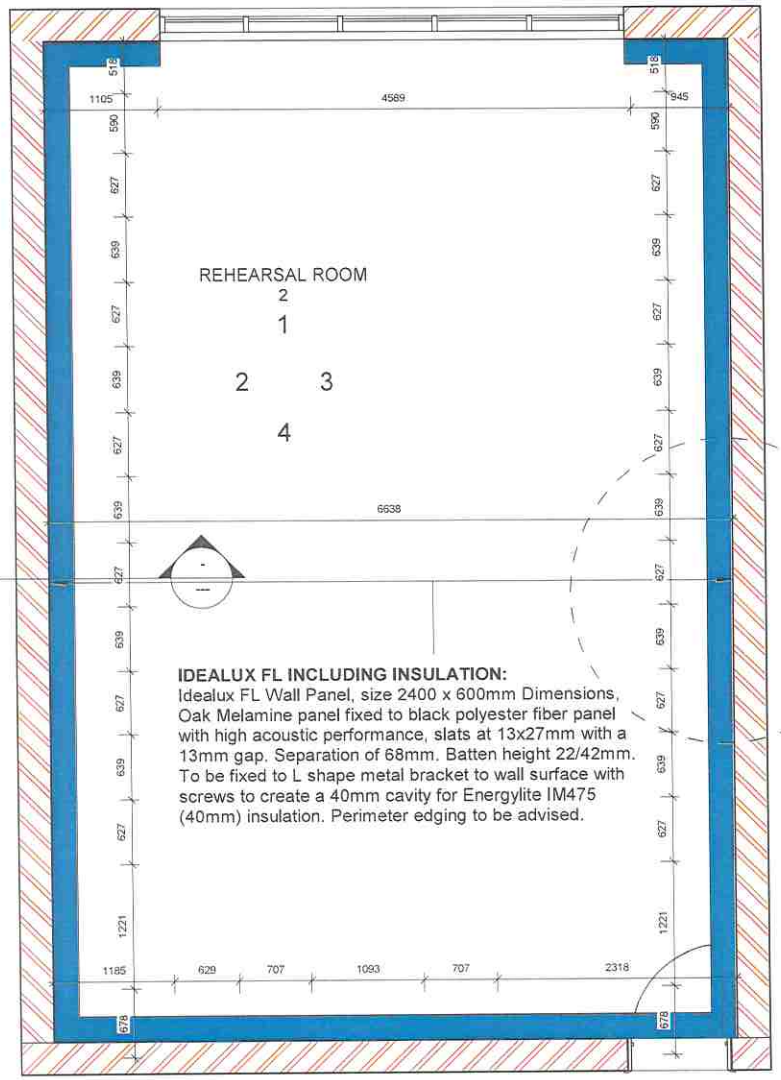
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

TITLE:
REHEARSAL ROOM 2 ELEVATION 2 & 4

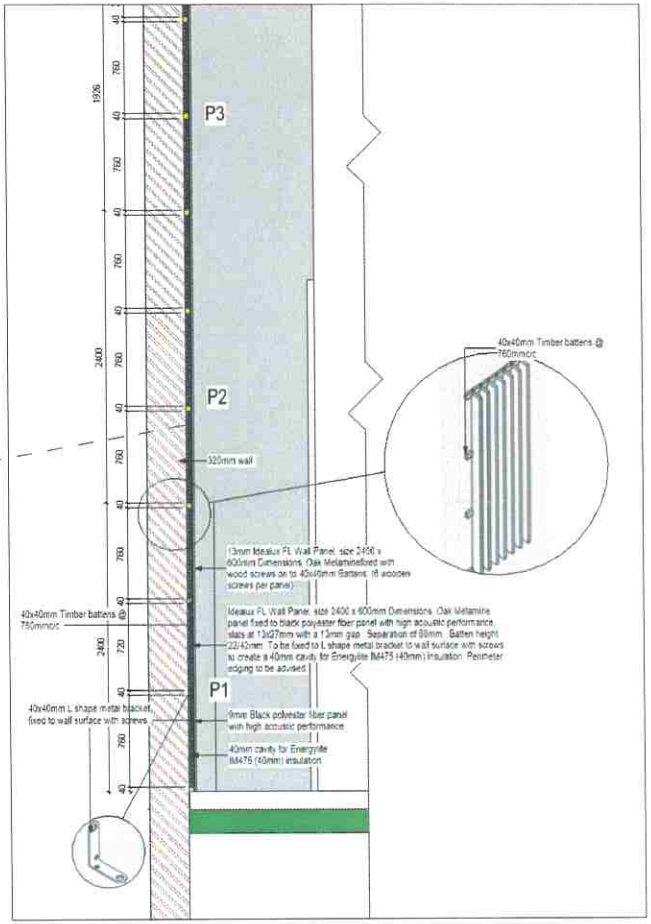
WORK STAGE: DESIGN DEVELOPMENT (STAGE 3)

USER CLIENT: LIMPOPO

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50
Drawn by MM	DRAWING NUMBER ACE-LPT-DWG-RH-03	REV
Checked by TN	REFERENCE NUMBER LDPWRI-10/1/1/R	00



IDEALUX FL WITH INSULATION TIMBER WALL PANELS
CONNECTION DETAIL



IDEALUX FL WITH INSULATION TIMBER WALL PANELS
CONNECTION DETAIL

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT, DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

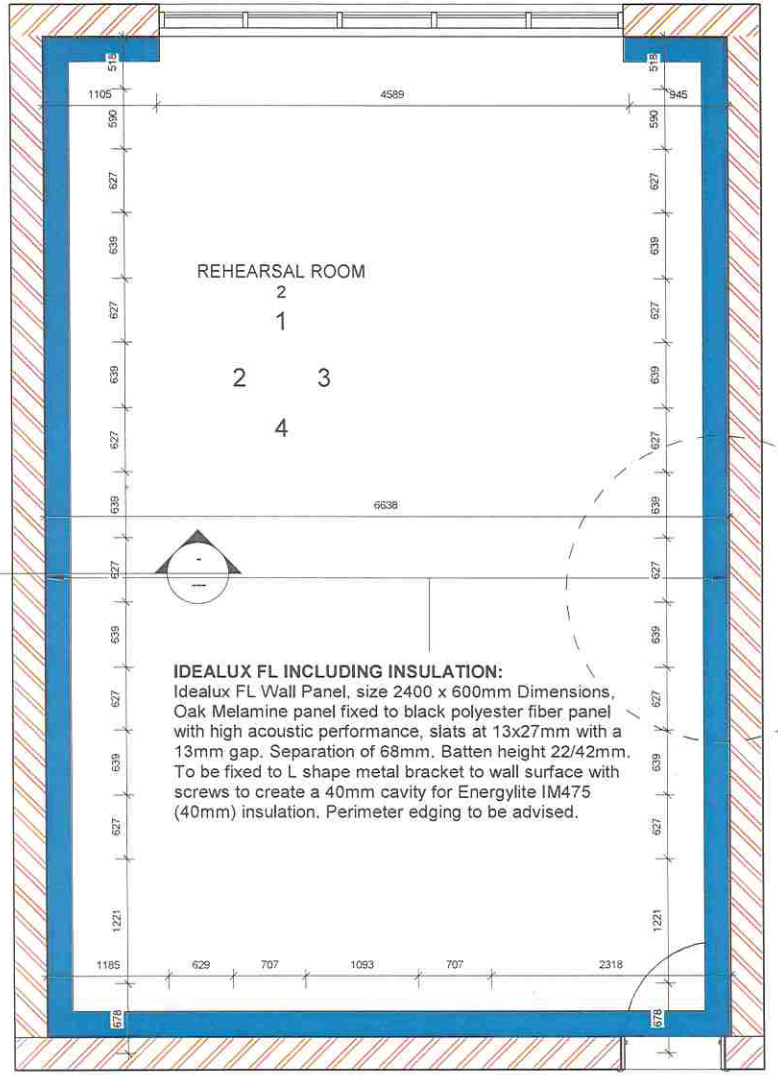
PROJECT: CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

TITLE: REHEARSAL ROOM 01 ACOUSTIC WALL FLOOR LAYOUT

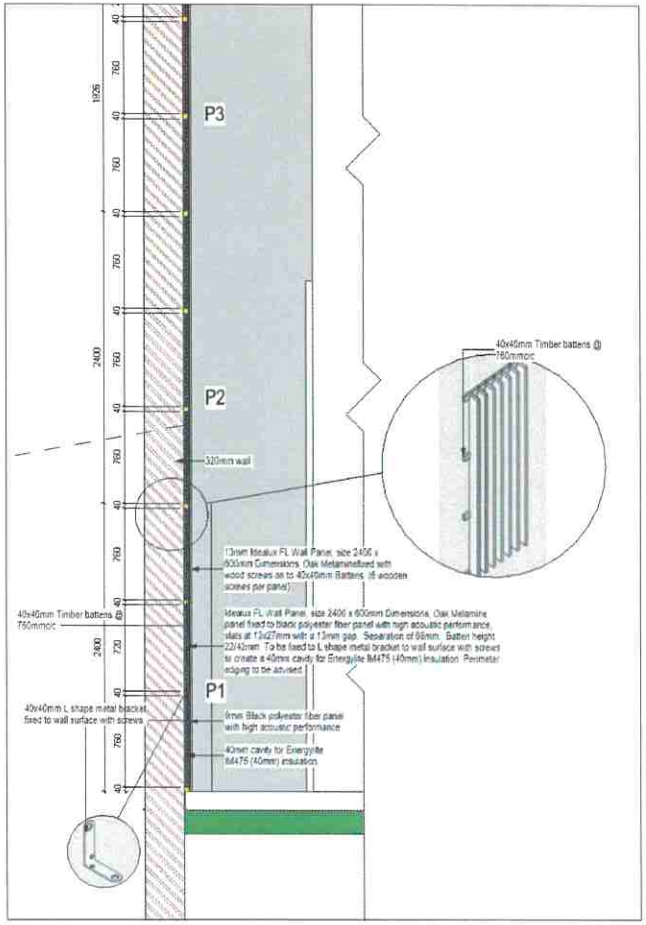
WORK STAGE: DESIGN DEVELOPMENT (STAGE 3)

USER CLIENT: LIMPOPO

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50
Drawn by MM	DRAWING NUMBER: ACE-LPT-DWG-RH-01	REV
Checked by TN	REFERENCE NUMBER LDPWRI-10/1/1/R	00



IDEALUX FL WITH INSULATION TIMBER WALL PANELS
CONNECTION DETAIL



IDEALUX FL WITH INSULATION TIMBER WALL PANELS
CONNECTION DETAIL

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

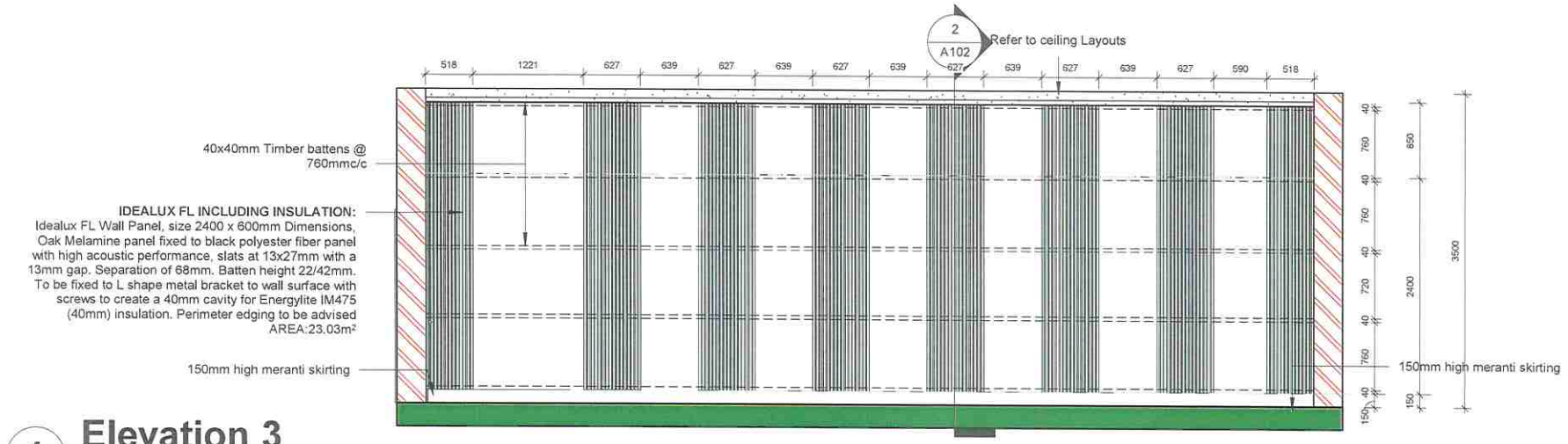
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

TITLE:
REHEARSAL ROOM 01 ACOUSTIC WALL FLOOR LAYOUT

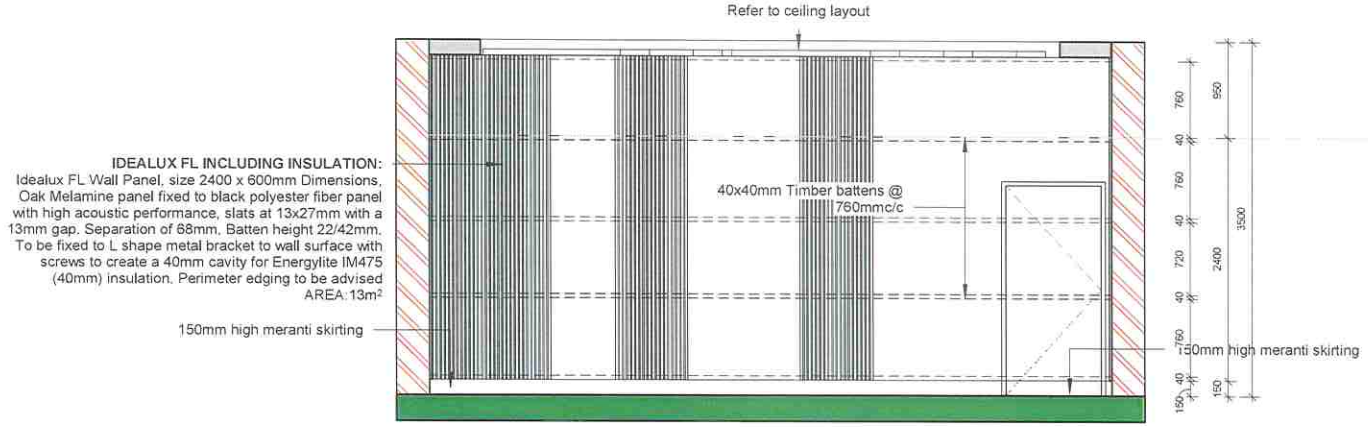
WORK STAGE: DESIGN DEVELOPMENT (STAGE 3)

USER CLIENT: LIMPOPO

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50
Drawn by MM	DRAWING NUMBER ACE-LPT-DWG-RH-01	REV
Checked by TN	REFERENCE NUMBER LDPWRI-10/1/1/R	00



1 Elevation 3
1 : 50



2 Elevation 1
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT, REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

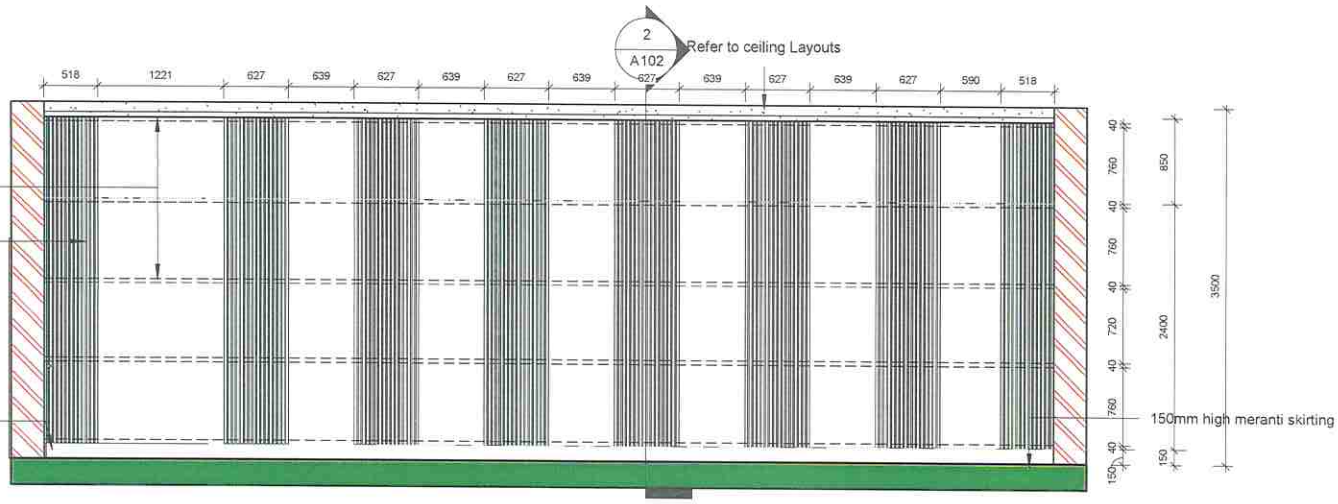
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

TITLE:
REHEARSAL ROOM 2 ELEVATION 1 & 3

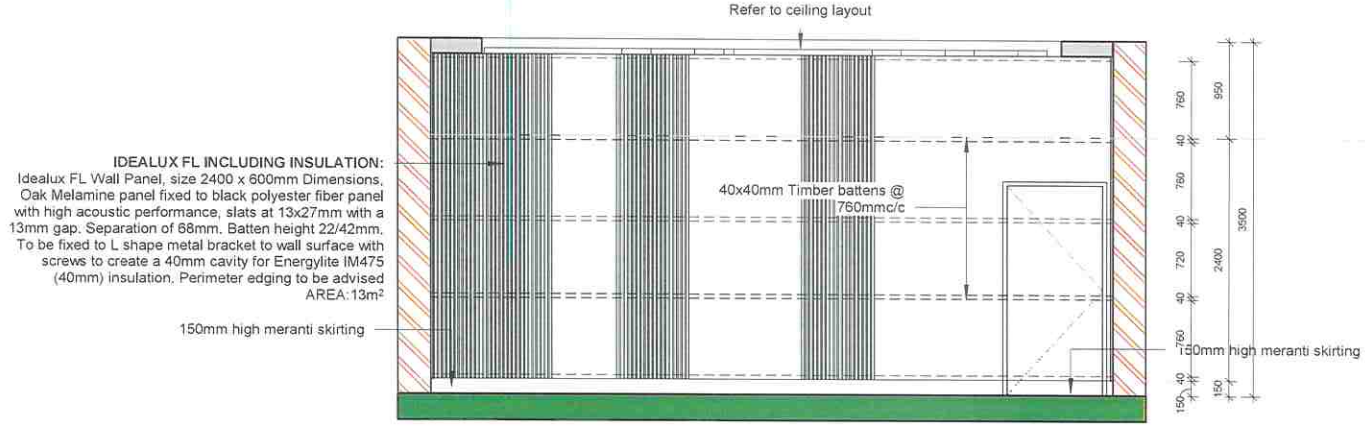
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USER CLIENT: LIMPOPO PROVINCIAL GOVERNMENT

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50
Drawn by MM	DRAWING NUMBER: ACE-LPT-DWG-RH-01	REV
Checked by TN	REFERENCE NUMBER : LDPWRI-10/1/1/R	00



1 Elevation 3
1 : 50



2 Elevation 1
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT, DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

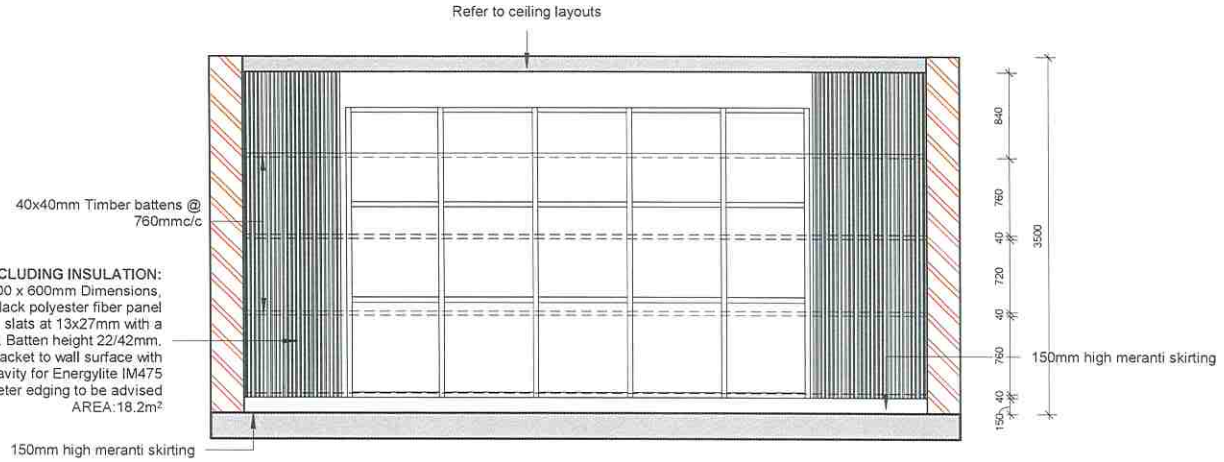
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

TITLE:
REHEARSAL ROOM 2 ELEVATION 1 & 3

WORK STAGE: DESIGN DEVELOPMENT (STAGE 3)

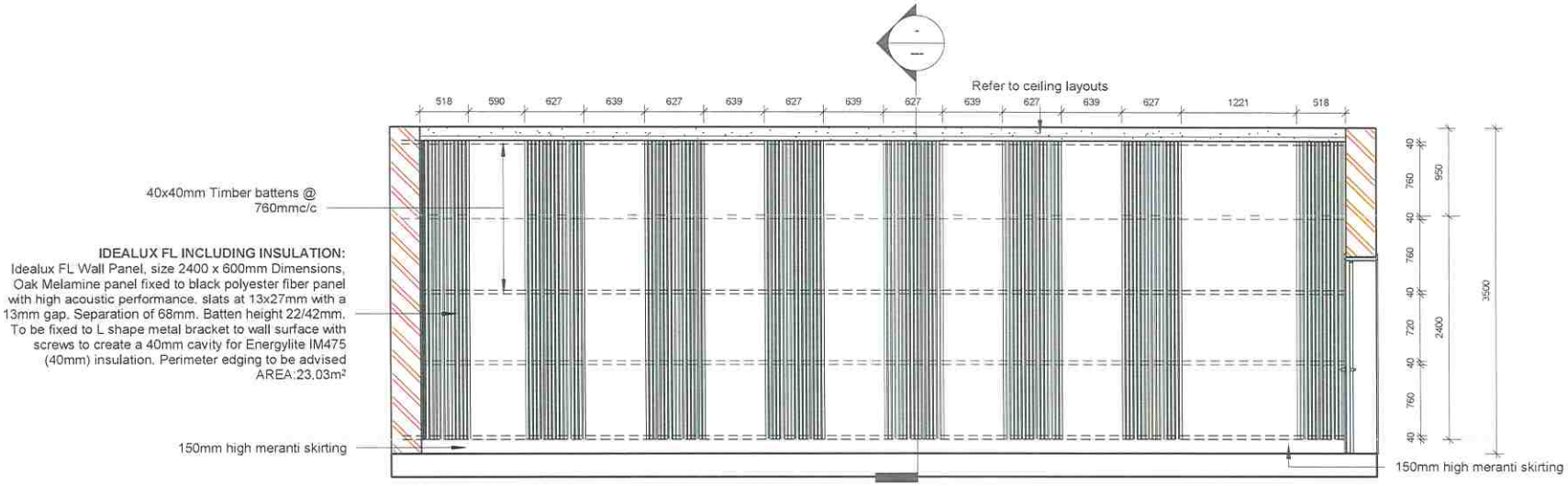
USER CLIENT: LIMPOPO

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50
Drawn by MM	DRAWING NUMBER: ACE-LPT-DWG-RH-01	REV
Checked by TN	REFERENCE NUMBER LDPWRI-10/1/1/R	00



1 Elevation 4

1 : 50



2 Elevation 2

1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT, REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

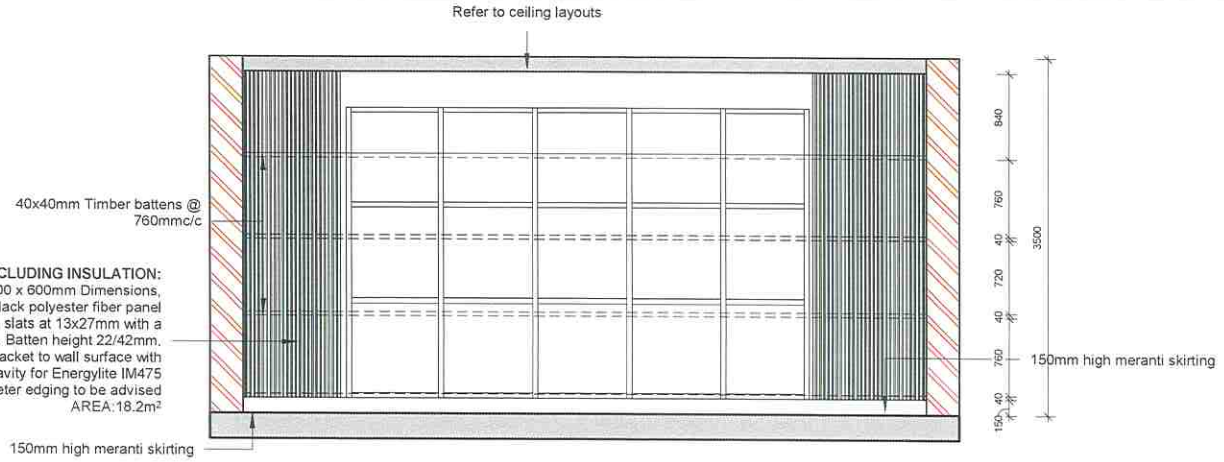
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

TITLE:
REHEARSAL ROOM 2 ELEVATION 2 & 4

WORK STAGE: DESIGN DEVELOPMENT (STAGE 3)

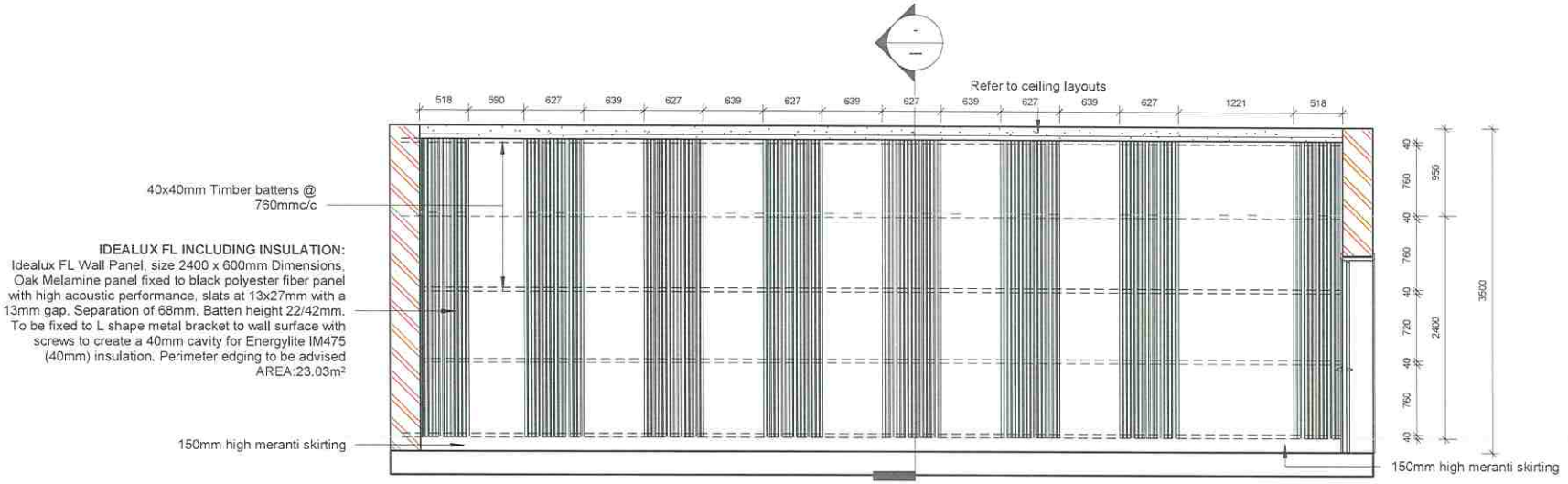
USER CLIENT: LIMPOPO

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50
Drawn by MM	DRAWING NUMBER ACE-LPT-DWG-RH-03	REV
Checked by TN	REFERENCE NUMBER LDPWRI-10/1/1/R	00



1 Elevation 4

1 : 50



2 Elevation 2

1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

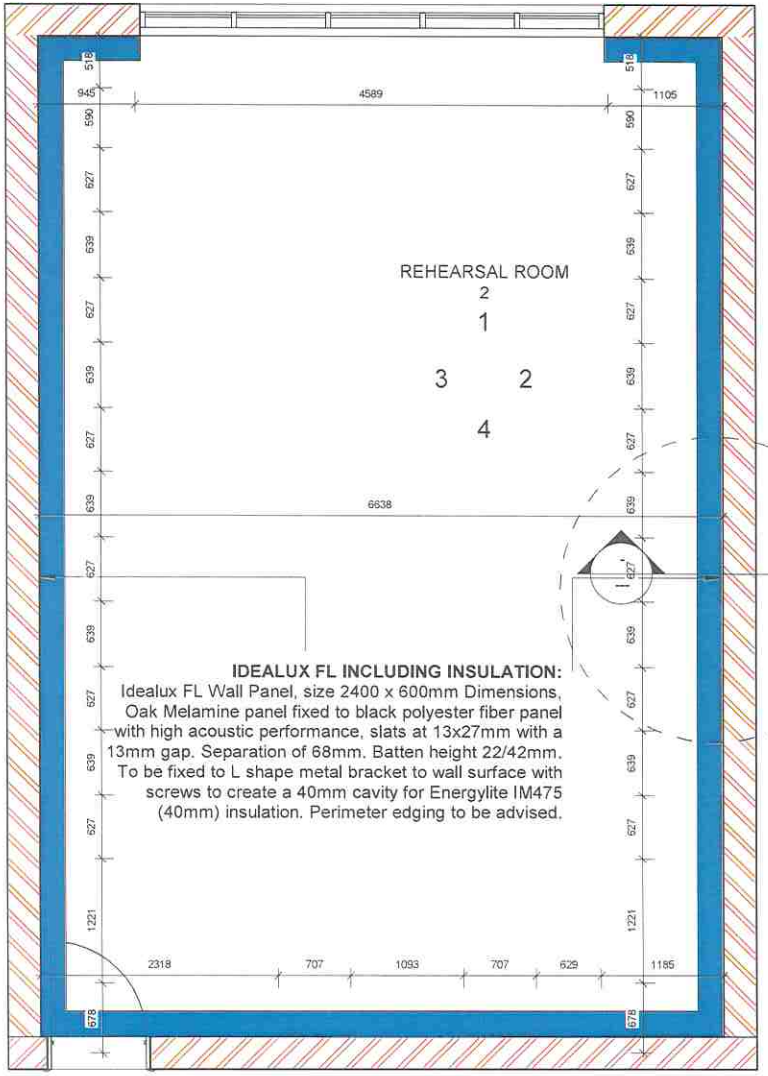
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

TITLE:
REHEARSAL ROOM 2 ELEVATION 2 & 4

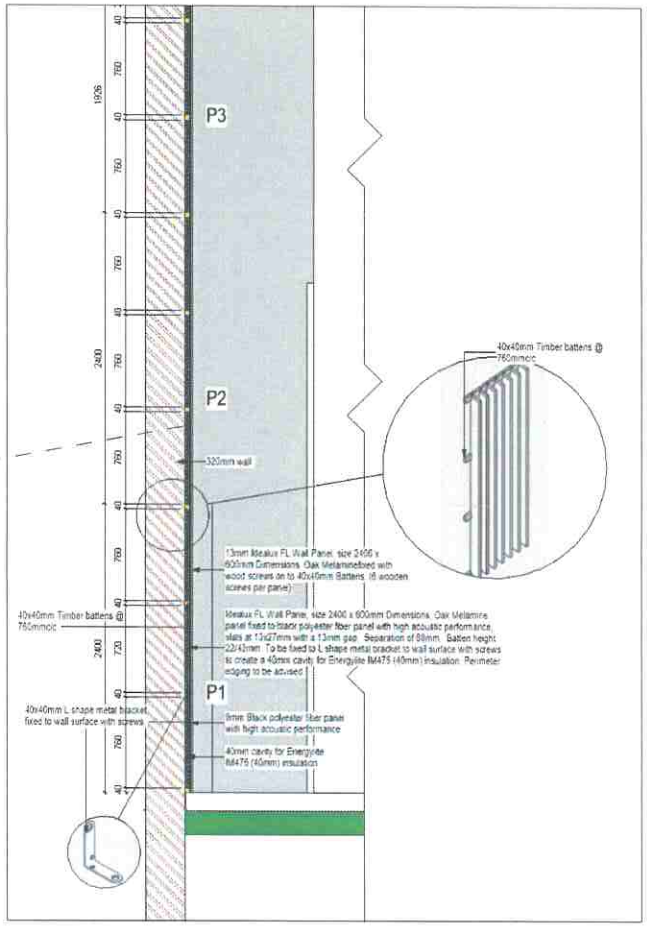
WORK STAGE: DESIGN DEVELOPMENT (STAGE 3)

USER CLIENT: LIMPOPO

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50
Drawn by MM	DRAWING NUMBER ACE-LPT-DWG-RH-03	REV
Checked by TN	REFERENCE NUMBER LDPWRI-10/1/1/R	00



IDEALUX FL WITH INSULATION TIMBER WALL PANELS
CONNECTION DETAIL



IDEALUX FL WITH INSULATION TIMBER WALL PANELS
CONNECTION DETAIL

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT: ekhl. Architects and Built Environment

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

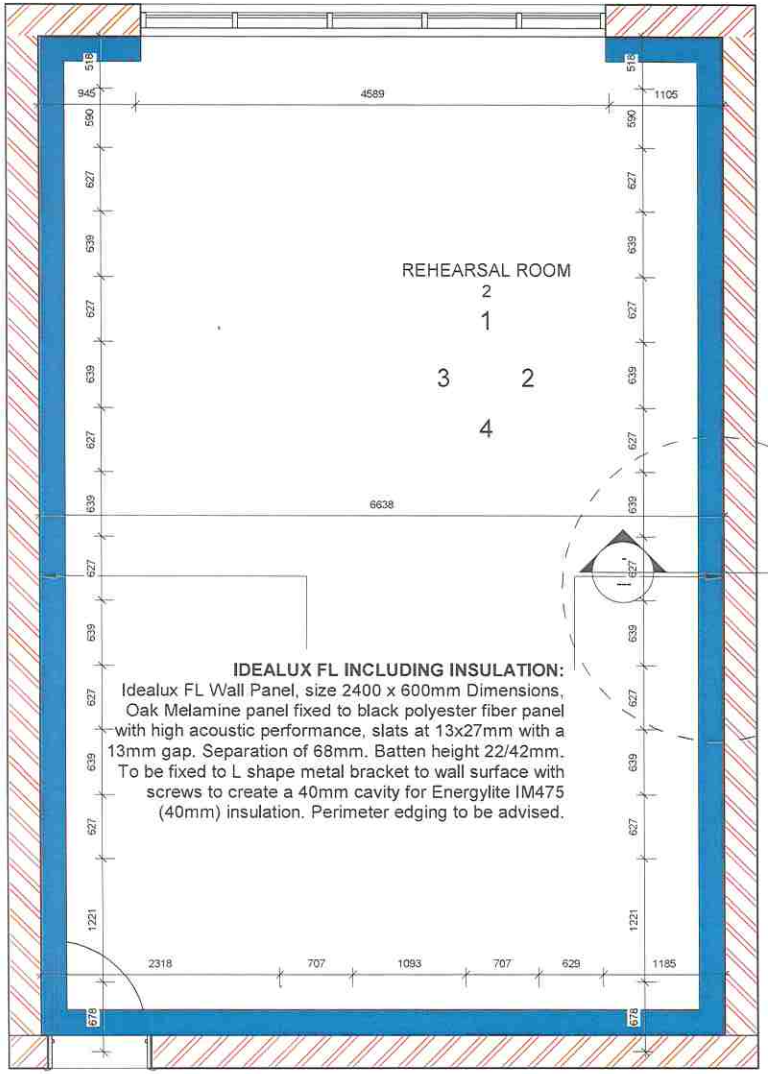
PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

TITLE: REHEARSAL ROOM 2 ACOUSTIC WALL FLOOR LAYOUT

WORK STAGE: DESIGN DEVELOPMENT (STAGE 3)

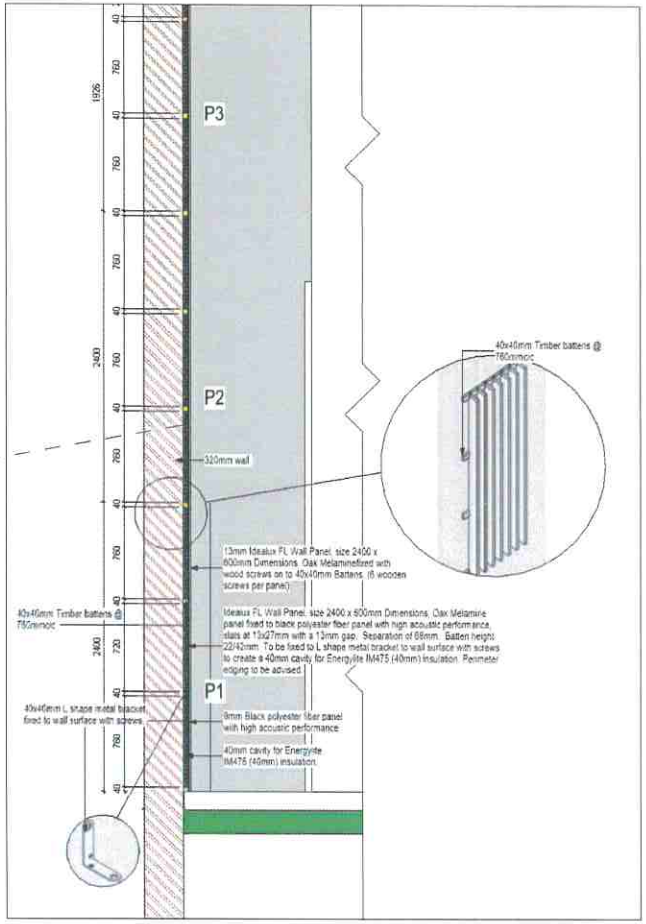
USER CLIENT: LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50
Drawn by MM	DRAWING NUMBER ACE-LPT-DWG-RH-01	REV
Checked by TN	REFERENCE NUMBER LDPWRI-10/1/1/R	00



IDEALUX FL INCLUDING INSULATION:
Idealux FL Wall Panel, size 2400 x 600mm Dimensions, Oak Melamine panel fixed to black polyester fiber panel with high acoustic performance, slats at 13x27mm with a 13mm gap. Separation of 68mm. Batten height 22/42mm. To be fixed to L shape metal bracket to wall surface with screws to create a 40mm cavity for Energylite IM475 (40mm) insulation. Perimeter edging to be advised.

IDEALUX FL WITH INSULATION TIMBER WALL PANELS CONNECTION DETAIL



IDEALUX FL WITH INSULATION TIMBER WALL PANELS CONNECTION DETAIL

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

No.	Description	Date

CONSULTANT:

CLIENT: LIMPOPO PROVINCIAL GOVERNMENT, REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

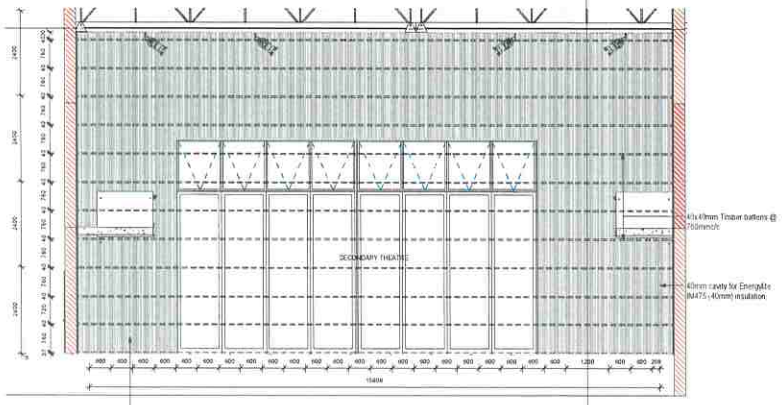
TITLE: REHEARSAL ROOM 2 ACOUSTIC WALL FLOOR LAYOUT

WORK STAGE: DESIGN DEVELOPMENT (STAGE 3)

USER CLIENT: LIMPOPO

Date 17-06-2023	Project number ACE-LT-21-	Scale (ON A3) 1:50
Drawn by MM	DRAWING NUMBER: ACE-LPT-DWG-RH-01	REV
Checked by TN	REFERENCE NUMBER :LDPWRI-10/1/1/R	00

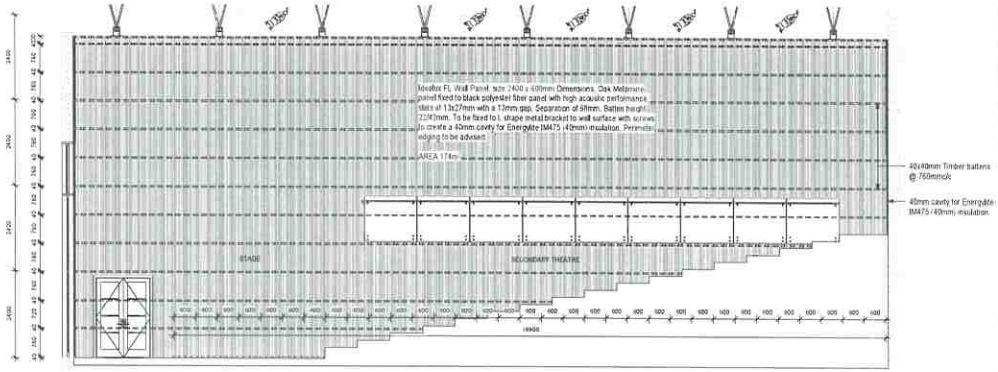
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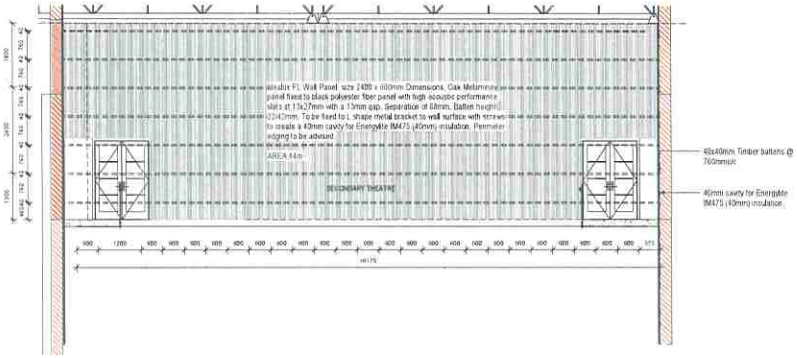
Idealux FL Wall Panel, size 2400 x 600mm Dimensions. Oak Melamine panel fixed to black polyester fiber panel with high acoustic performance slats at 13x27mm with a 13mm gap. Separation of 68mm. Batten height 22/42mm. To be fixed to L shape metal bracket to wall surface with screws to create a 40mm cavity for Energylite (M475 / 40mm) insulation. Perimeter edging to be advised.

AREA 90m²

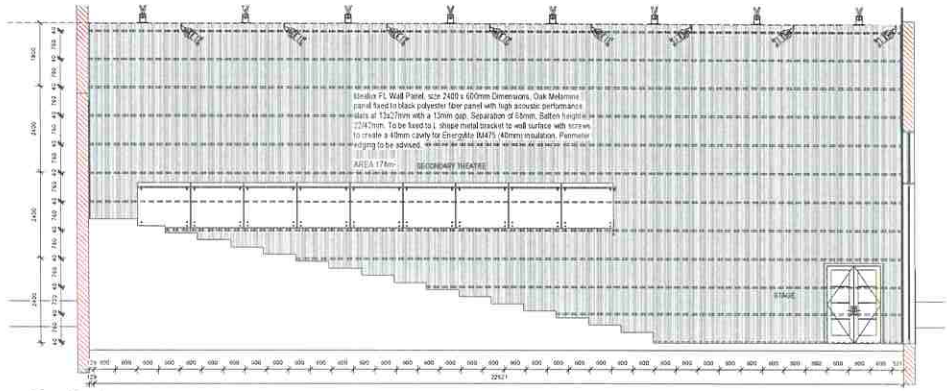
1 Elevation 1
1 : 50



2 Elevation 2
1 : 50



3 Elevation 3
1 : 50



4 Elevation 4
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION

-ALL DIMENSIONS TO BE CONFIRMED ON SITE

LOCALITY PLAN

CONSULTANT

CLIENT

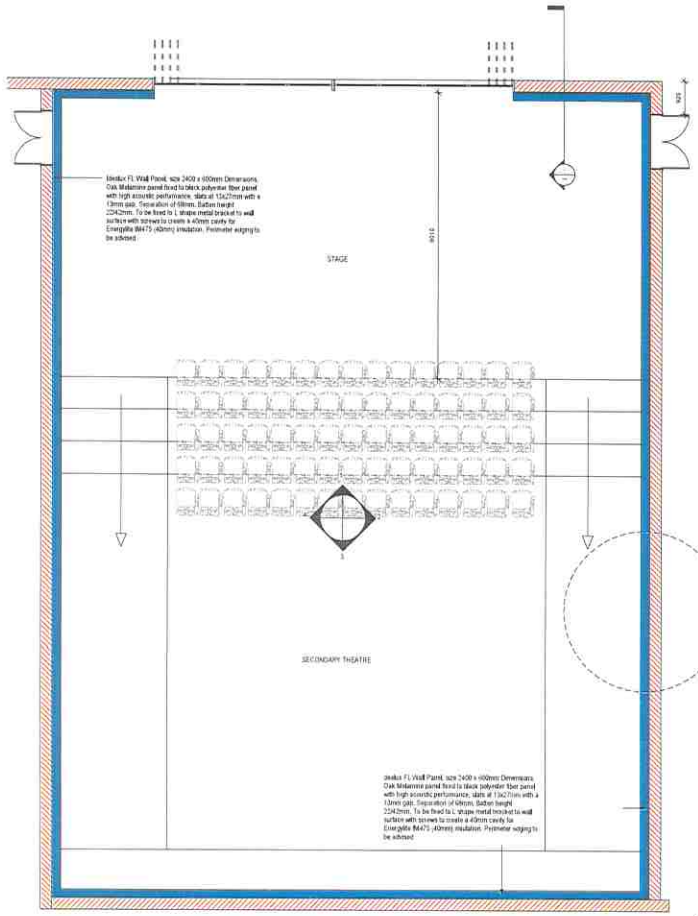
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT

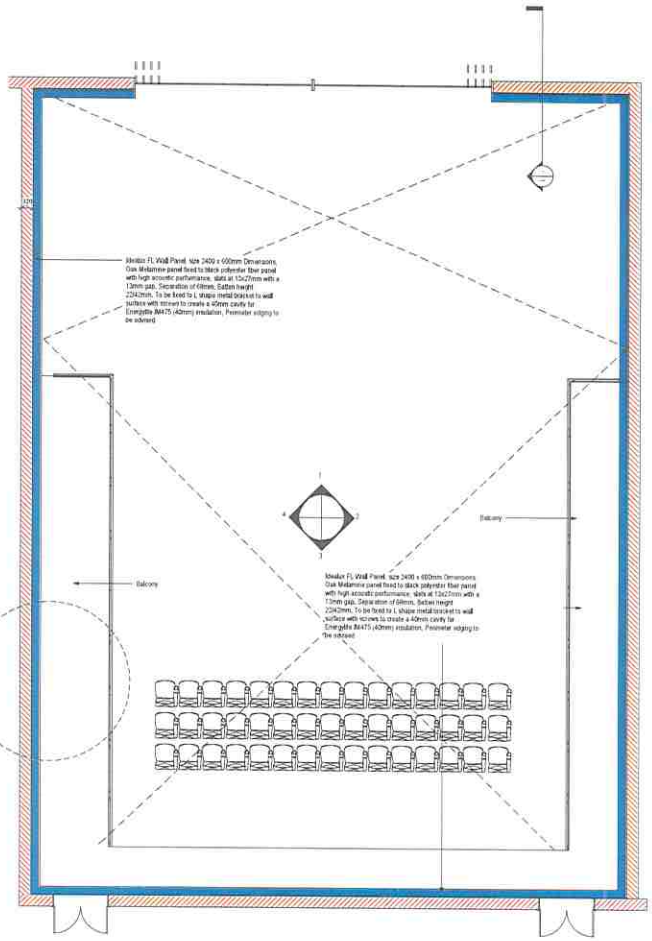
LIMPOPO PROVINCIAL GOVERNMENT
Department of SPORT, ARTS & CULTURE

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BANONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

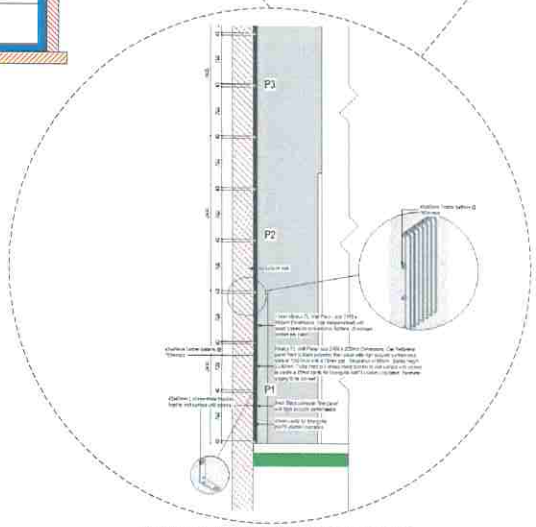
REFERENCE NUMBER	LDPWRP/1011/18
PROJECT NUMBER	LDPWRP-19/1/1/R
DATE	2023/06/17 11:23:59
TITLE	PROPOSED LIMPOPO PROVINCIAL THEATRE
SHEET CONTENT	ACOUSTIC PANELS WALL INTERIOR ELEVATIONS
DRAWN BY	MM
CHECKED BY	TN
SCALE	1:50
DRAWING NUMBER	ACE-LPT-DWG-
REV	00
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)



1 Level 1
1 : 50



2 Level 2
1 : 50



IDEALUX FL WITH INSULATION TIMBER WALL PANELS
CONNECTION DETAIL

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of
SPORT, ARTS & CULTURE

DWG	DESCRIPTION	ISSUED
01		

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/11/18

PROJECT NUMBER: LDPWRI-10/11/18

DATE: 2023/06/17 11:30:33

TITLE: PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: GROUND FLOOR PLAN, FIRST FLOOR PLAN ACOUSTIC PANELS WALL CONECTION DETAIL

DRAWN BY:

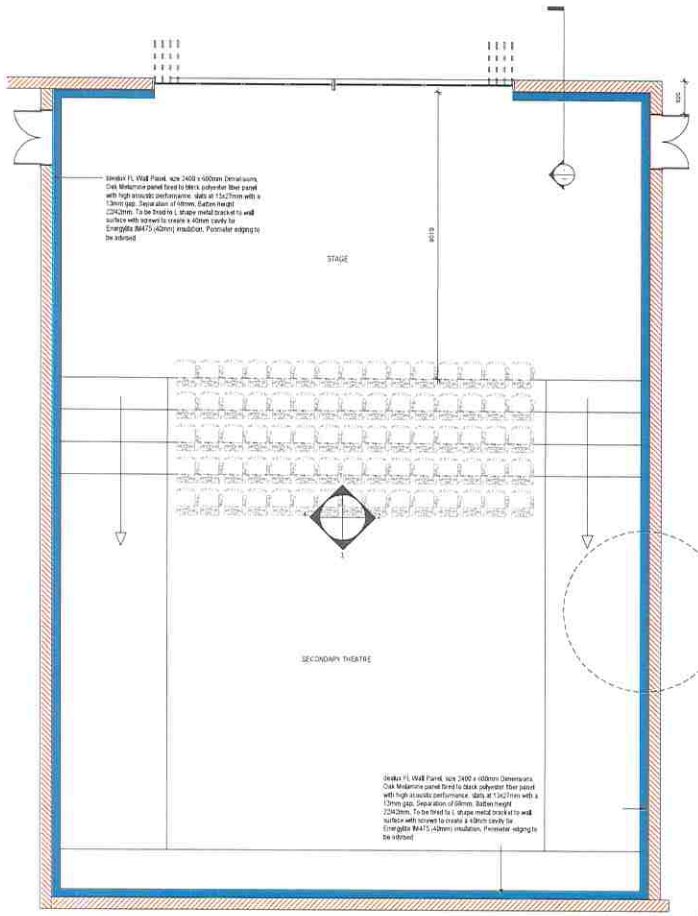
CHECKED BY:

SCALE: 1:50

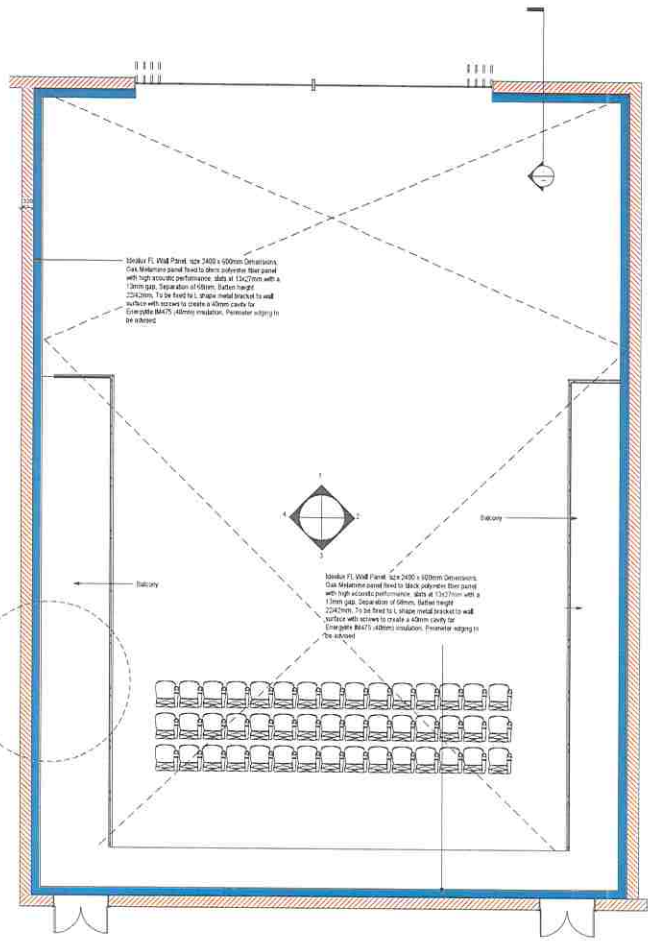
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REV: 00

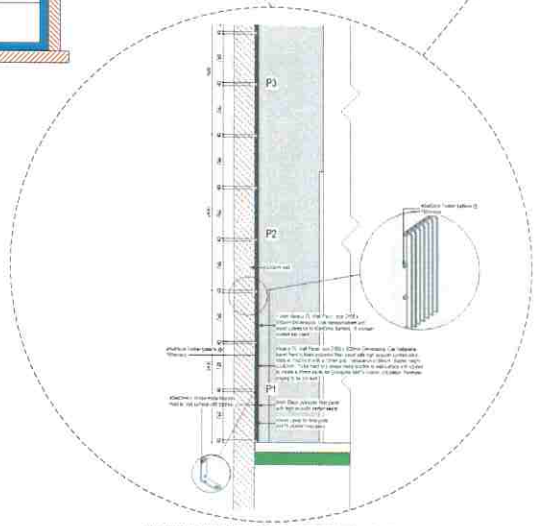
WORK STAGE: DESIGN DEVELOPMENT - (STAGE 03)



1 Level 1
1 : 50



2 Level 2
1 : 50



IDEALUX FL WITH INSULATION TIMBER WALL PANELS
CONNECTION DETAIL

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
Department of
SPORT, ARTS & CULTURE

NUMBER	DESCRIPTION	DATE
1	FOR SPECIAL COUNCIL MEETING	2023/07/17

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SEKHUNE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/11/18

PROJECT NUMBER: LDPWRI-10/11/18

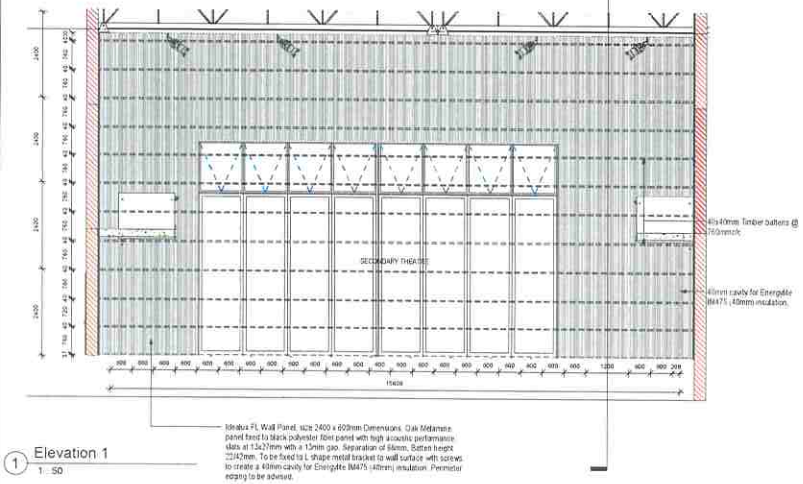
DATE: 2023/06/17 11:30:33

TITLE:
PROPOSED LIMPOPO PROVINCIAL THEATRE

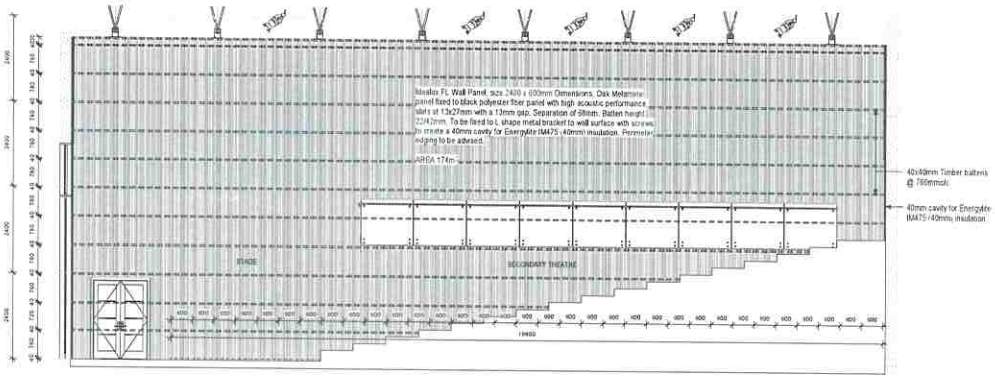
SHEET CONTENT:
GROUND FLOOR PLAN FIRST FLOOR PLAN ACOUSTIC PANELS WALL CONNECTION DETAIL

DRAWN BY	
CHECKED BY	
SCALE	1:50
DRAWING NUMBER	REV
ACE/LPT-DWG-	00
WORK STAGE	DESIGN DEVELOPMENT + (STAGE 03)

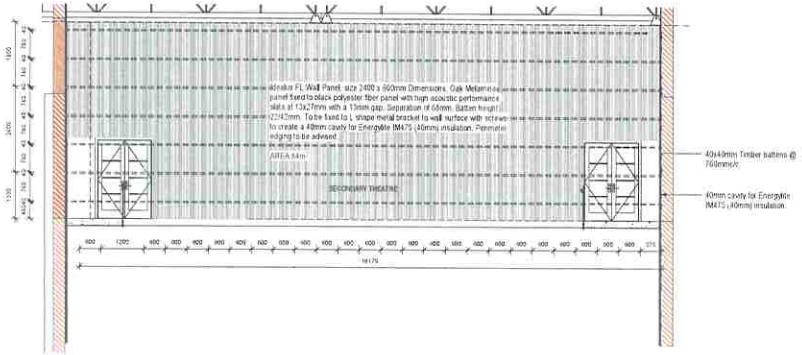
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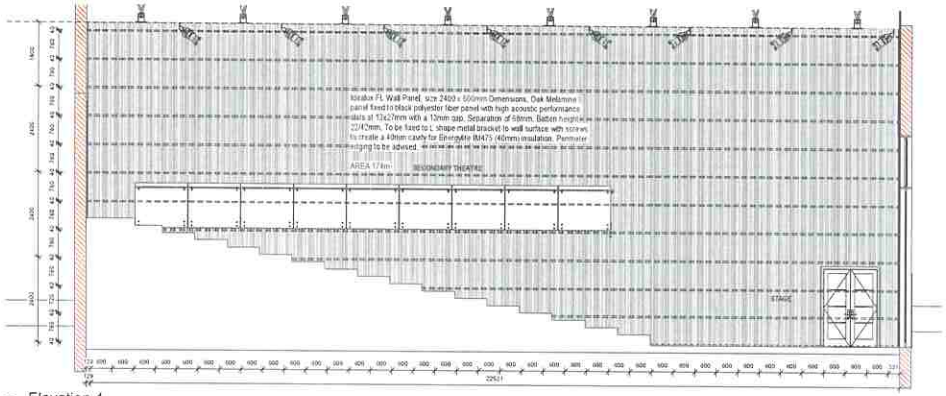
1 Elevation 1
1 : 50



2 Elevation 2
1 : 50



3 Elevation 3
1 : 50



4 Elevation 4
1 : 50

ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
Department of
SPORT, ARTS & CULTURE

No.	Description	Date

PROJECT TITLE
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER
LDPWRI-10/11/R

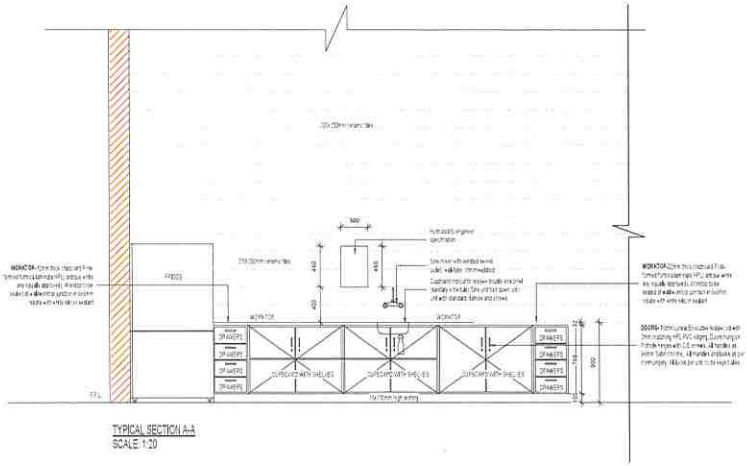
PROJECT NUMBER
LDPWRI-10/11/R

DATE
2023/06/17 11:23:59

TITLE
PROPOSED LIMPOPO PROVINCIAL THEATRE

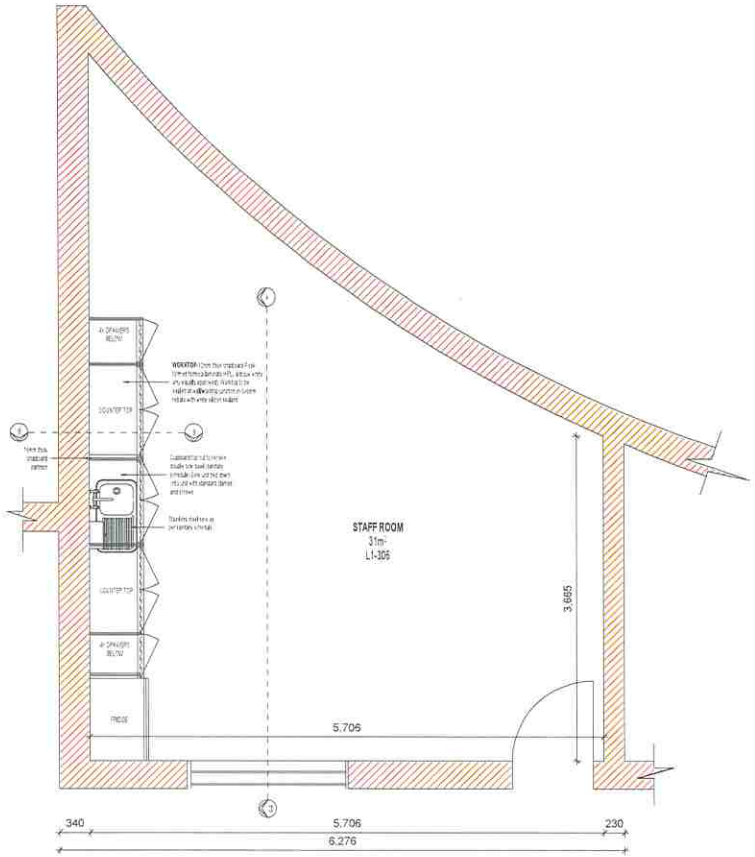
SHEET CONTENT
ACOUSTIC PANELS WALL INTERIOR ELEVATIONS

DRAWN BY	MM
CHECKED BY	TN
SCALE	1:50
DRAWING NUMBER	REV
ACE-PT-DWG-	00
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)

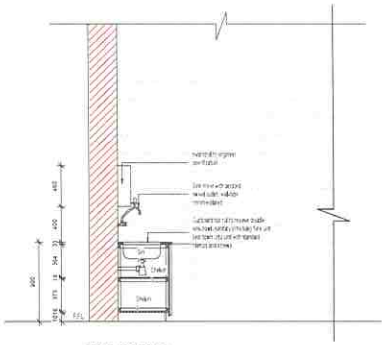


TYPICAL SECTION A-A
SCALE 1:20

STAFFROOM L1-40
SCALE 1:20



TYPICAL FLOOR LAYOUT
SCALE 1:20



TYPICAL SECTION B-B
SCALE 1:20

ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
Department of
SPORT, ARTS & CULTURE

DWG No.	REVISION No.	DATE
01	-	01/09/23
02	-	15/09/23
03	-	30/10/23
04	-	20/11/23
05	-	20/11/23
06	-	20/11/23
07	-	20/11/23
08	-	20/11/23

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

REFERENCE NUMBER: LDPWRI-1021/1/R

PROJECT NUMBER: TBA

DATE: 16/08/2023

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: STAFF ROOM JOINERY DETAILS

DRAWN BY:	M.S
CHECKED BY:	E.L
SCALE ON A0:	1:20
DRAWING NUMBER: ACE-LPT- DWG-603	REV: 04
WORK STAGE:	(STAGE 04)

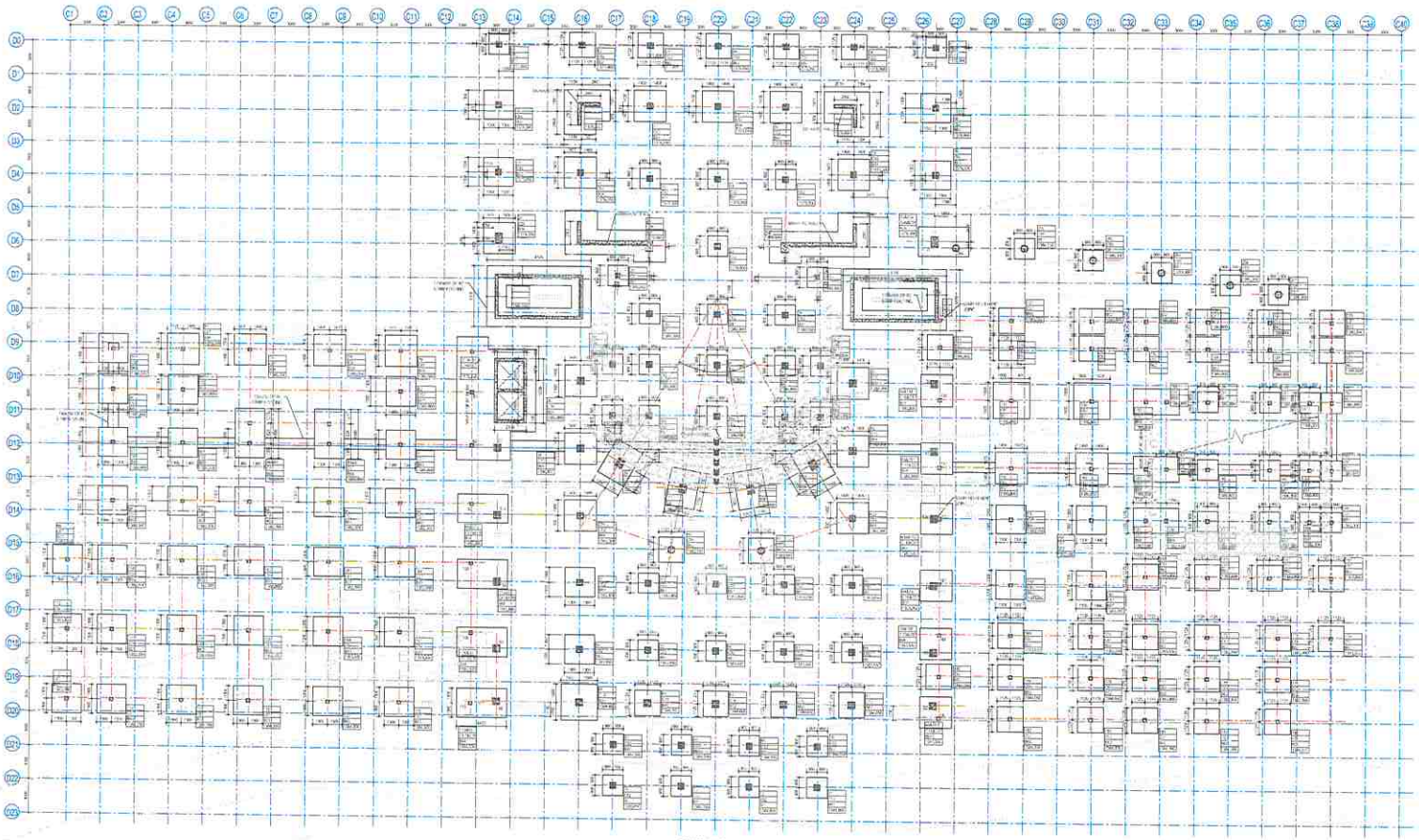
LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS
AND INFRASTRUCTURE

C4.2.2:

STRUCTURAL ENGINEER

DRAWINGS & SPECIFICATIONS



FOUNDATION LAYOUT

SCALE 1:100

FOUNDATION KEY

FOUNDATION LEGEND

COLUMN KEY

COLUMN LEGEND

KEY

CONCRETE NOTES:

STEEL NOTES:

No	Date	Description	By	Chk
3	15.06.2021	REVISED FOR INFORMATION	SD	DK
4	16.06.2021	REVISED FOR INFORMATION	SD	DK

Client: LIMPOPO PROVINCIAL GOVERNMENT

User Client: LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS AND INFRASTRUCTURE

Consultant: MVUMBA ENGINEERING SERVICES

Discipline: STRUCTURAL

Project: CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE- MAPALA IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY

Drawing title: FOUNDATION LAYOUT AND DETAILS

Engineers

Drawn By:	Designed By:	Checked By:
S.Dlamini	S.Dlamini	S.Mavuso
	T.Jantjies	S.Mbulaz

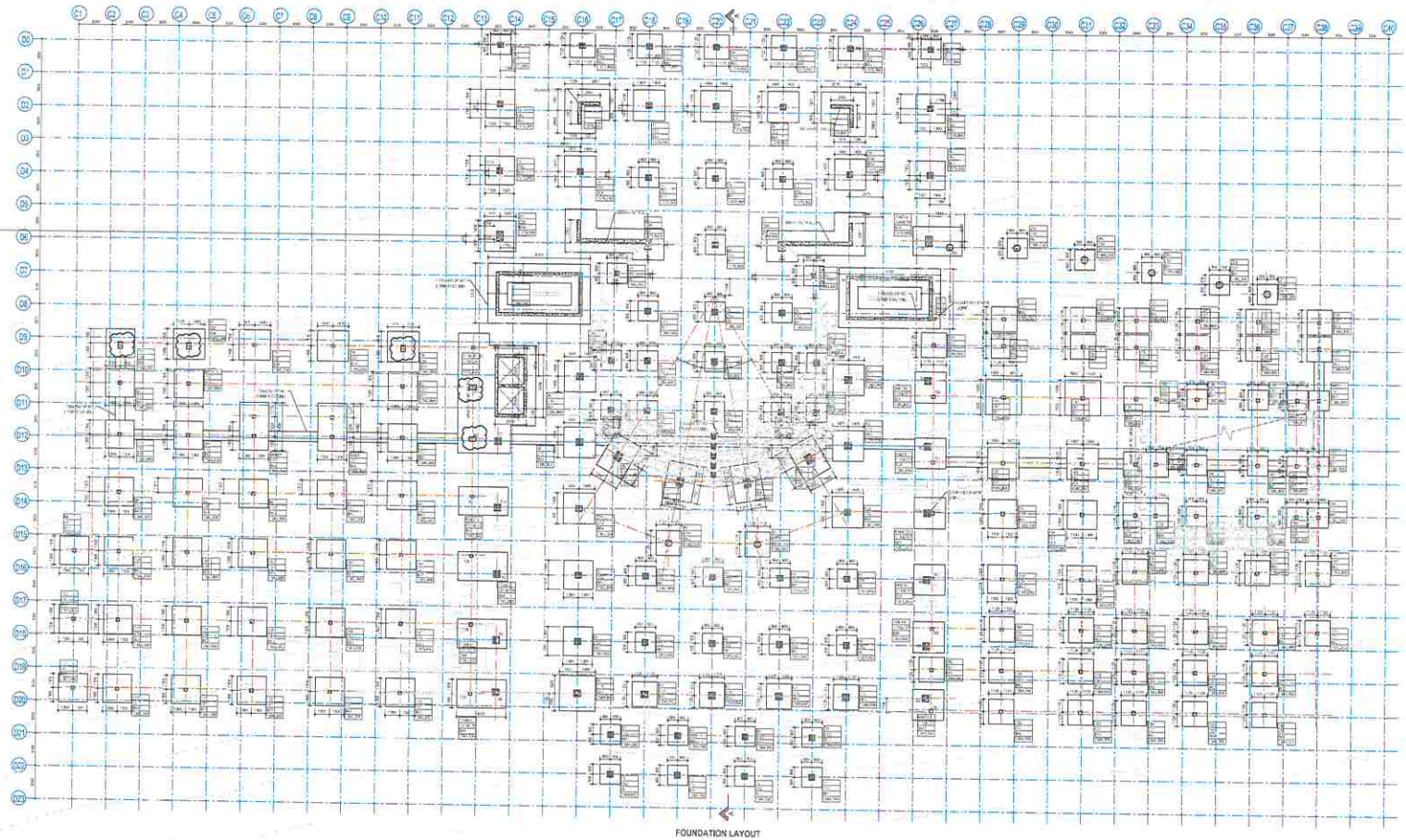
Size	Scale	Original Date
A0	As Shown	Jan 2021

Status/Purpose: INFORMATION

QMS Drawing Number: SES/057/S/A/01

Revision: Rev B

INFORMATION



FOUNDATION LAYOUT

SCALE: 1:100

FOUNDATION KEY

FOUNDATION LEGEND

COLUMN KEY

COLUMN LEGEND

KEY

CONCRETE NOTES:

STEEL NOTES:

No	Date	Details	Drn	Appr
C	24/04/23	ISSUED FOR BID CONSTRUCTION	BS	SK
B	14/04/23	ISSUED FOR APPROVAL	BS	SK
A	30/01/23	ISSUED FOR APPROVAL	BS	SK

Client: LIMPOPO

User Client:

Consultants: SIYAMBA ENGINEERING SERVICES

Discipline: STRUCTURAL

Project Title: CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE- MAPALA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

Drawing Title: FOUNDATION LAYOUT AND DETAILS

Engineers

Drawn By	Designed By	Checked By
S. Mamushiane	S. Mamushiane	M. Mudau

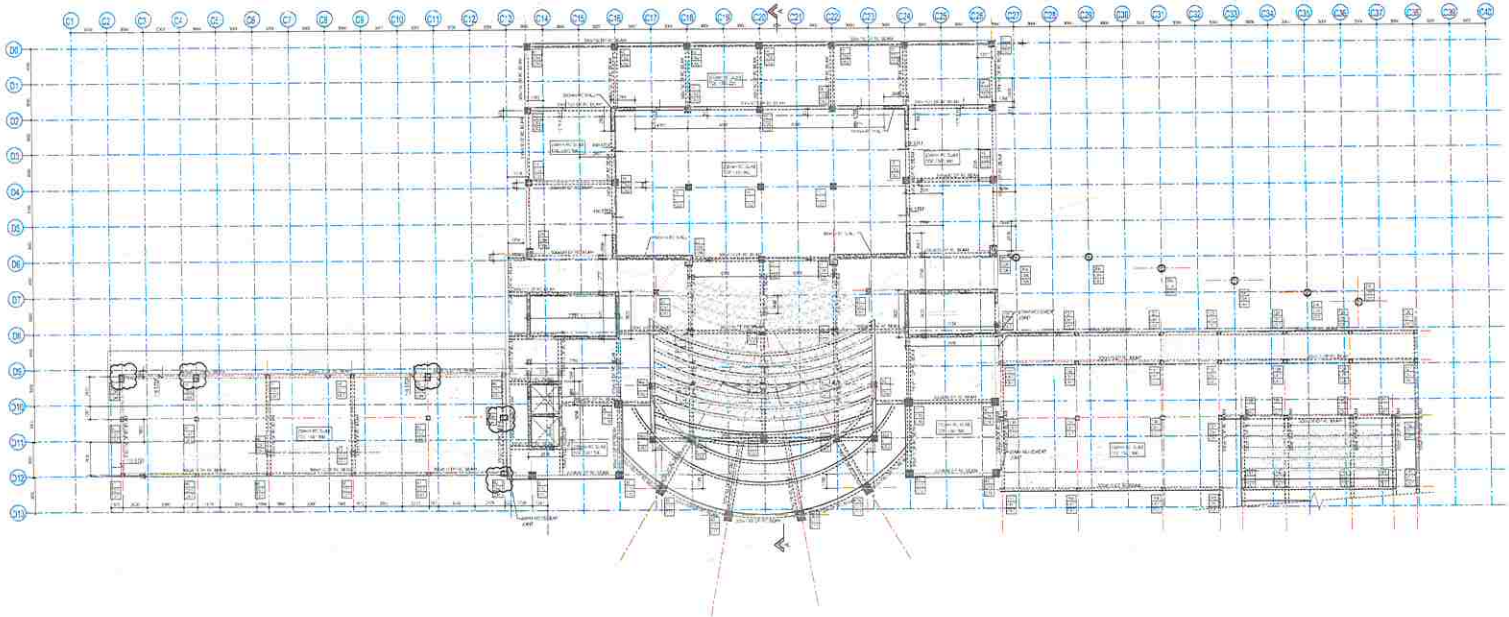
Size	Scale	Original Date
A0	As Shown	Jan 2023

Issued For: INFORMATION

SIPA Drawing Number: SES/057/S/A/01

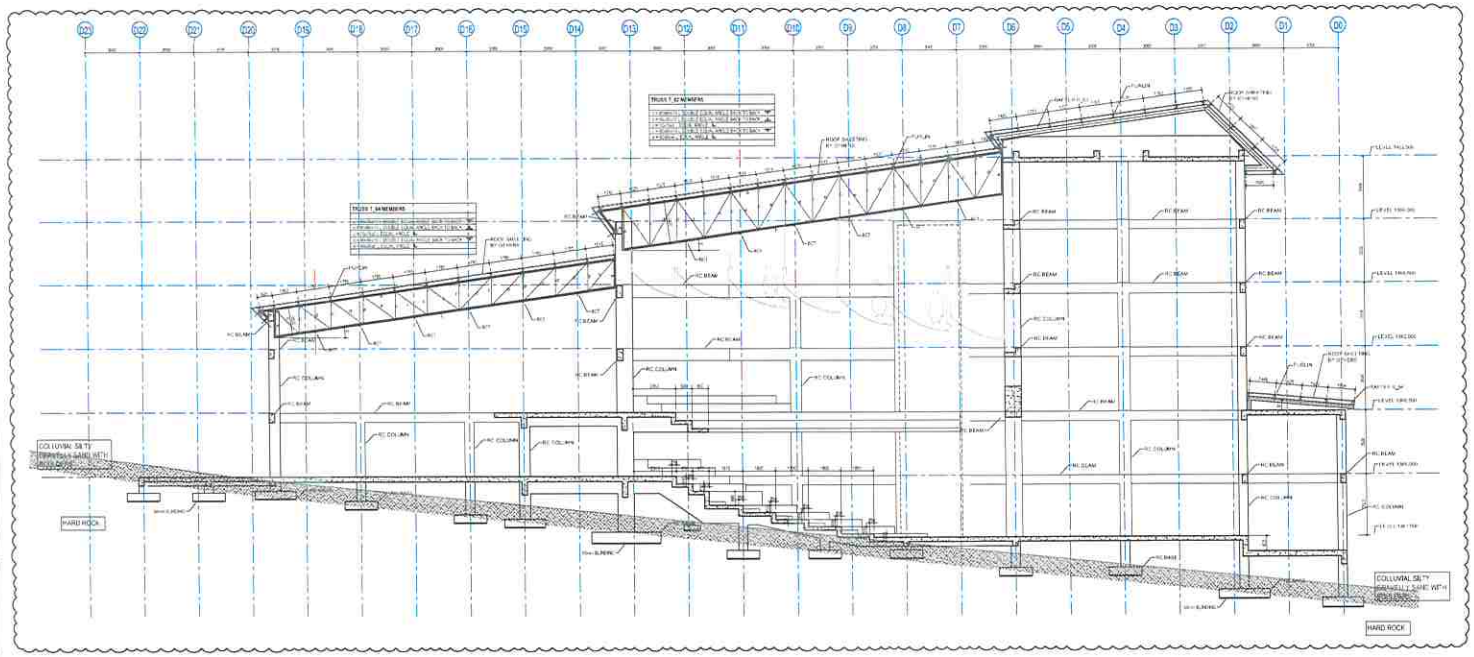
Number: Rev C

INFORMATION



LEVEL 01 (1381.5) LAYOUT

SCALE 1:100



SECTION A-A

SCALE 1:100

COLUMN KEY

COLUMN LEGEND

KEY

CONCRETE NOTES:

STEEL NOTES:

No.	Date	Details	Drn	Chk
A	Mar.2023	ISSUED FOR INFORMATION	SS	DK

Client: LIMPOPO

Consultant: KHUMBA ENGINEERING SERVICES

Discipline: STRUCTURAL

Project: CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE - MAPALA IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY

Drawing title: LEVEL 01 LAYOUT AND DETAILS

Engineer	Designed By	Checked By
	S.Sethusha	S.Mashilo

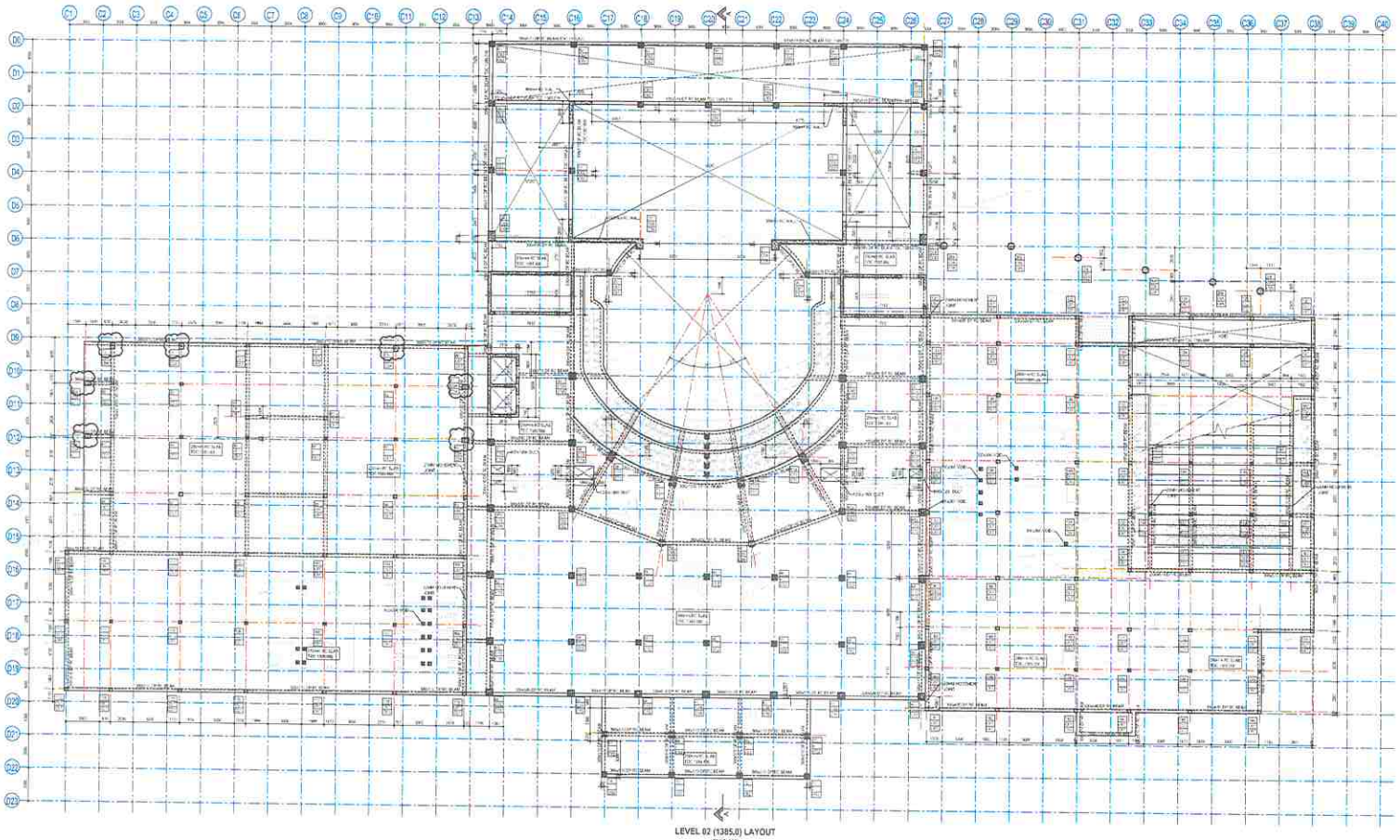
Size	Scale	Original Date
A0	As Shown	Jan 2023

Issued For: INFORMATION

CPG Drawing Number: SES/057/S/A/02

Revision: Rev B

INFORMATION



LEVEL 02 (1385.0) LAYOUT

SCALE 1:100

COLUMN KEY

COLUMN LEGEND

KEY

CONCRETE NOTES:

STEEL NOTES:

STRUCTURAL

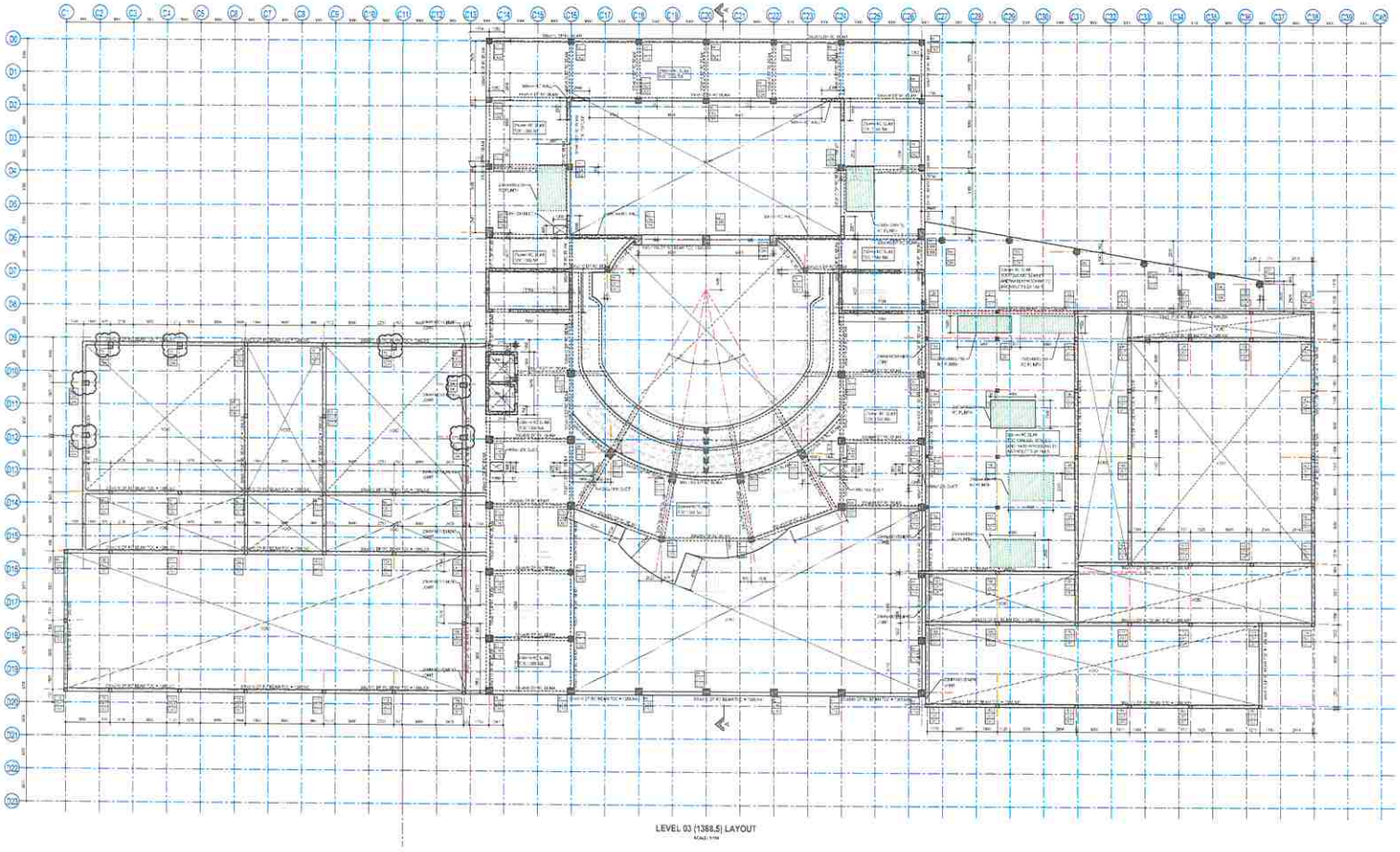
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE- MAPALA, IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY

LEVEL 02 LAYOUT AND DETAILS

A2 | As Shown | Jan 2021

INFORMATION

SES/057/S/A/03 | Rev B



LEVEL 03 (1388.5) LAYOUT

SCALE 1:100

COLUMN KEY

COLUMN LEGEND

KEY

CONCRETE NOTES:

STEEL NOTES:

No.	Date	Details	Init.	Appr.
A	2023/01/31	ISSUED FOR INFORMATION	ST	GA
B	2023/02/17	ISSUED FOR INFORMATION	ST	GA

Client: LIMPOPO

User Dept.:

Consultant: SIVUMBA ENGINEERING SERVICES

Discipline: STRUCTURAL

Project: CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE- MAPALA IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY

Drawing No.: LEVEL 03 LAYOUT AND DETAILS

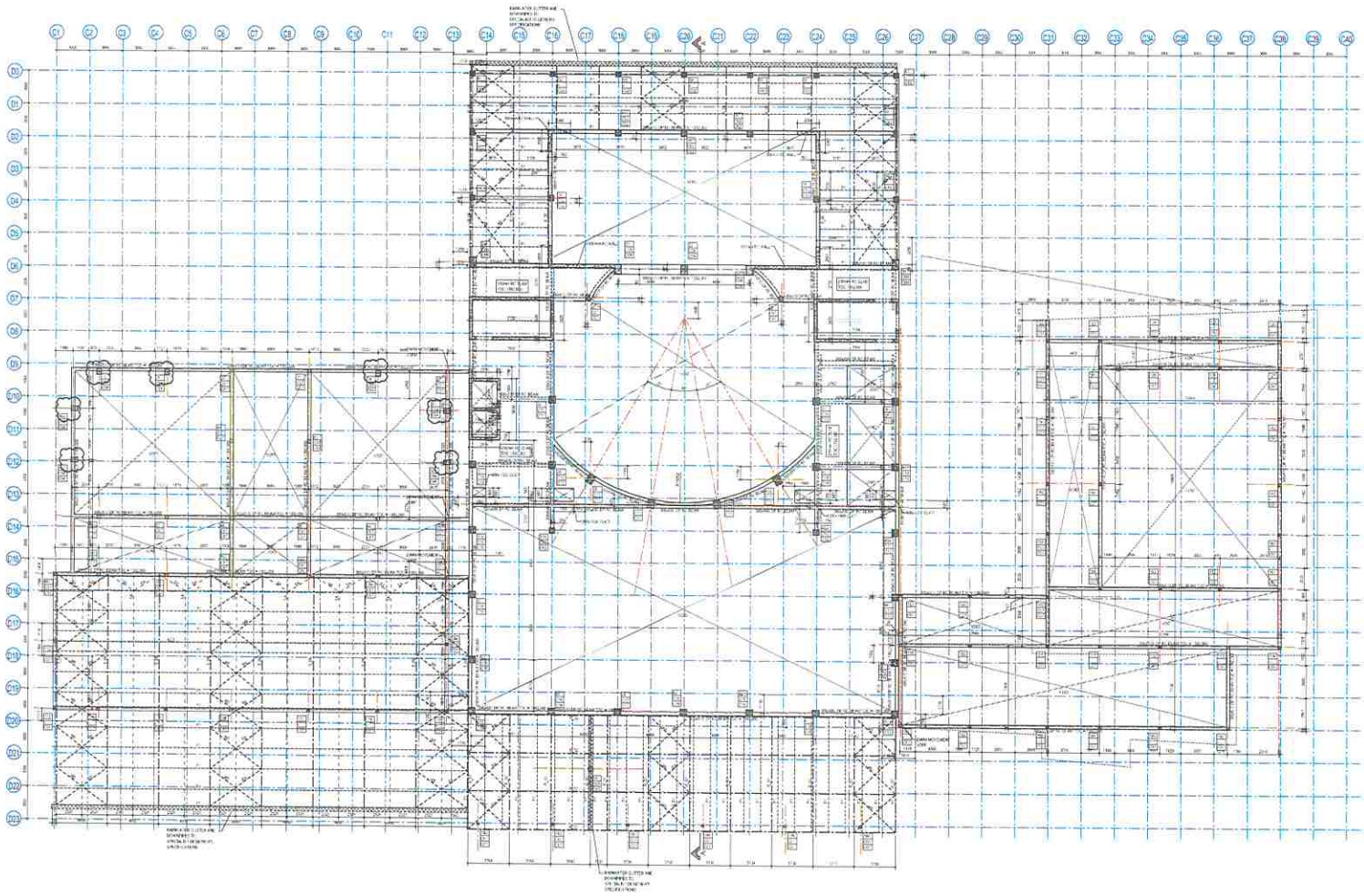
Engineer	Designed By	Checked By
Project Mgr.	S. Sivumbava	M Mbulaheni

Size	Scale	Original Date
A0	As Shown	Jan 2023

Issued For: INFORMATION

Project No.	Drawing No.	Revision
SES/057/S/A/04		Rev B

INFORMATION



LEVEL 04 (1392.0) LAYOUT

COLUMN KEY

COLUMN LEGEND

STEEL ROOF MEMBERS LEGEND

KEY

CONCRETE NOTES:

STEEL NOTES:

No	Date	Issue	Ch	Appr
1	04/08/2021	ISSUED FOR INFORMATION	EE	SA
A	29/07/2021	ISSUED FOR INFORMATION	EE	SA

Client: LIMPOPO

User Client:

Consultant: MAHWA ENGINEERING SERVICES

Discipline: STRUCTURAL

Project: CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE - MAPALA IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY.

Drawing title: LEVEL 04 LAYOUT AND DETAILS

Drawn By:	Designed By:	Issued By:
S. Mahwasane	S. Ramphele	S. Mahwasane
	T. Ramphele	

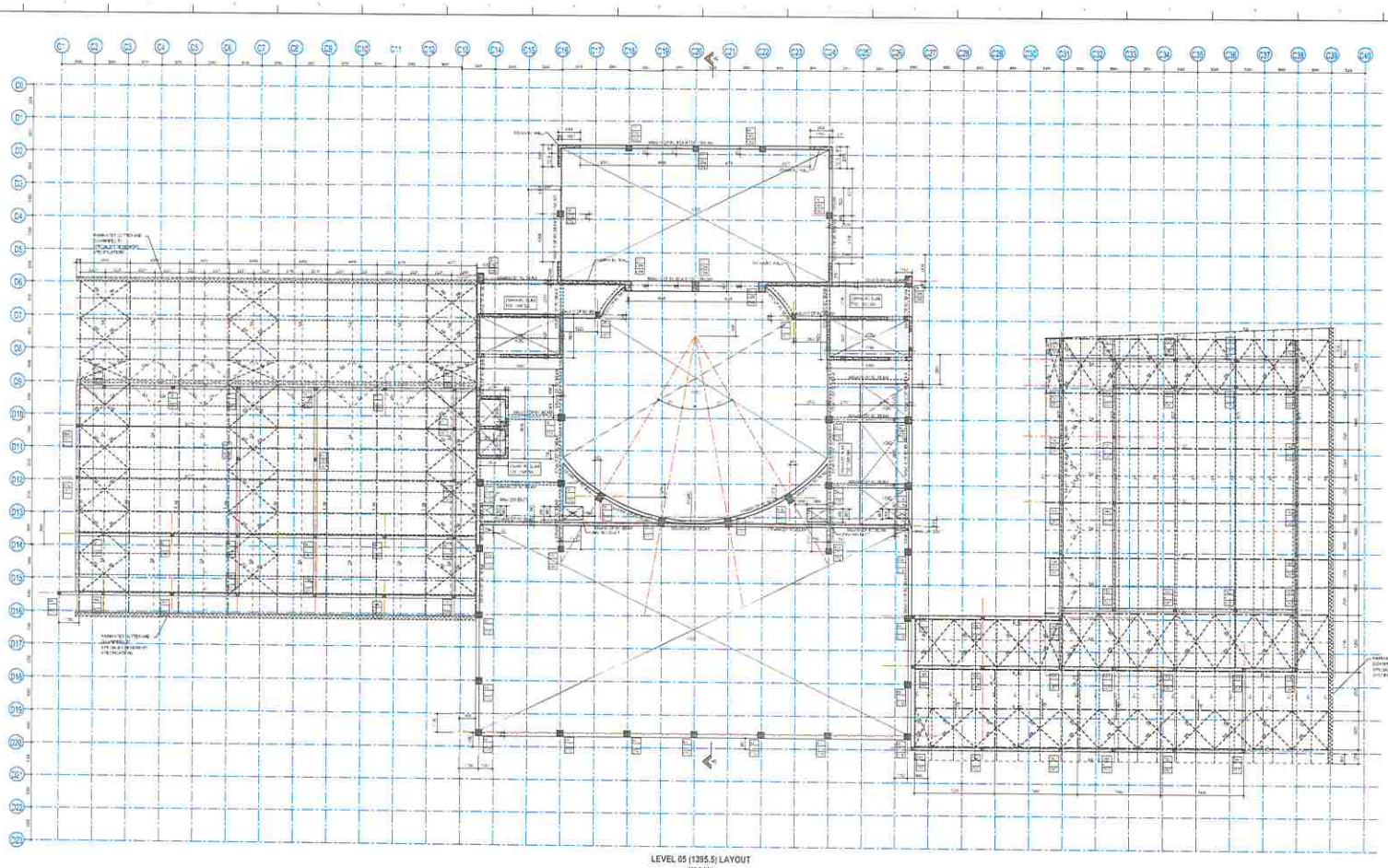
Size	Scale	Date Issued
A0	As Shown	Jan 2021

Issued For: INFORMATION

Project No: SES/057/S/A/05

Revision: Rev B

INFORMATION



LEVEL 05 (1395.5) LAYOUT

SCALE: 1:100

COLUMN KEY

COLUMN LEGEND

STEEL ROOF MEMBERS LEGEND

KEY

CONCRETE NOTES

STEEL NOTES

No	Date	Details	Drawn
A	15.05.2023	ISSUED FOR INFORMATION	EC
B	15.05.2023	ISSUED FOR INFORMATION	EC

Client: LIMPOPO

Sub Client: LIMPOPO

Consultant: SESHUMA ENGINEERING SERVICES

Discipline: STRUCTURAL

Project: CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE- MAPALA IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY

Drawing Title: LEVEL 05 LAYOUT AND DETAILS

Drawn By	Checked By	Approved By
A. Nkadimeng	L. Sigidimeni	L. Sigidimeni
	T. Ramovha	A. Mbulaheni

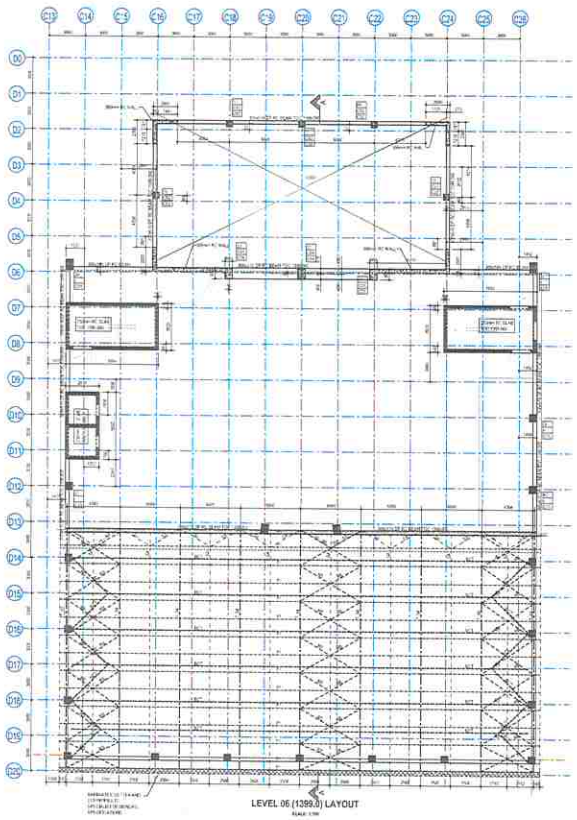
Size	Scale	Original Date
A0	As Shown	Jan 2023

Issued For: INFORMATION

Office Drawing No: SES/057/S/A/06

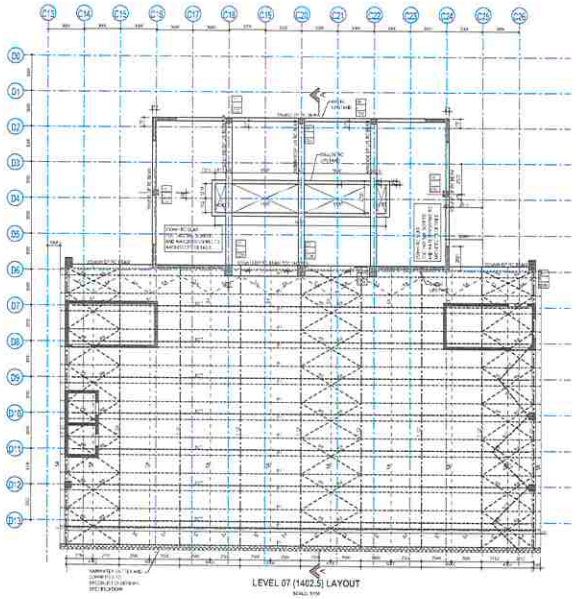
Revision: Rev B

INFORMATION



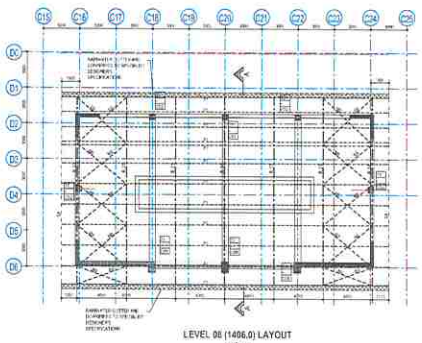
LEVEL 06 (1399.0) LAYOUT

SCALE: 1:100



LEVEL 07 (1402.5) LAYOUT

SCALE: 1:100



LEVEL 08 (1406.0) LAYOUT

SCALE: 1:100

COLUMN KEY

COLUMN LEGEND

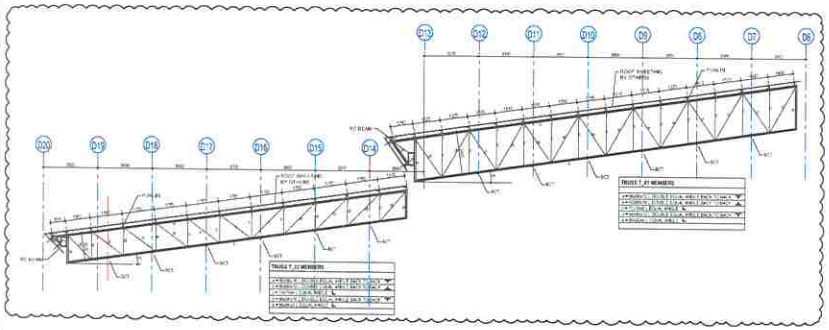
STEEL ROOF MEMBERS LEGEND

NOTES:

KEY

CONCRETE NOTES:

STEEL NOTES:



TRUSS T_01 MEMBERS

TRUSS T_02 MEMBERS

B	24.08.2023	ISSUED FOR TENDER	EC
A	24.04.2023	ISSUED FOR CONSTRUCTION	EC
No.	Date	Details	Init.

Client: LIMPOPO

User Client: LIMDEDEA

Consultant: MUTHEA ENGINEERING SERVICES cc

Discipline: STRUCTURAL

Project: CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE- MAPALA, IN POLOKWANE, CAPRICORN DISTRICT MUNICIPALITY

Drawing Title: LEVEL 06, 07 AND 08 LAYOUT AND DETAILS

Engineers

Drawn By:	Analysed By:	Checked By:
C. Nyamukondiwa	C. Nyamukondiwa T. Nemukondeni	C. Nyamukondiwa K Mbulaheni

Size:	Scale:	Original Date:
A0	As Shown	Jan 2023

Issued For: INFORMATION

Job / Drawing No.: SES/057/S/A/07

Revision: Rev B

INFORMATION

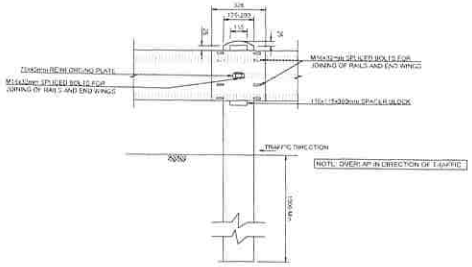
LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS
AND INFRASTRUCTURE

C4.2.3:

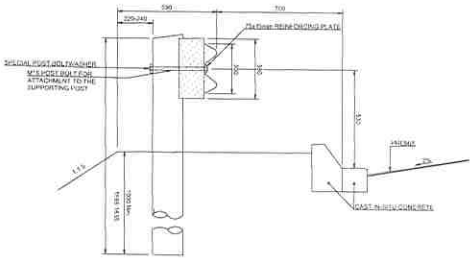
CIVIL ENGINEER

DRAWINGS & SPECIFICATIONS



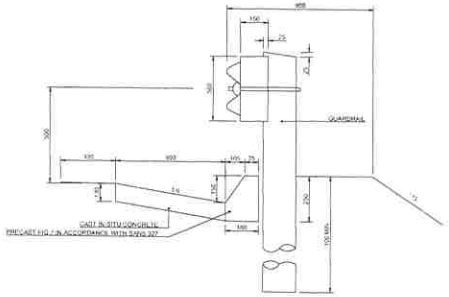
FRONT ELEVATION OF OVERLAP

SCALE 1:10



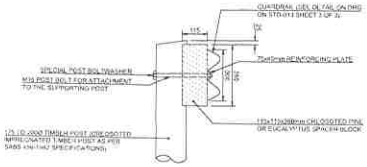
SIDE ELEVATION OF OVERLAP

SCALE 1:10



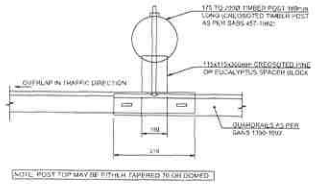
DETAIL OF CONCRETE DRAIN

SCALE 1:10



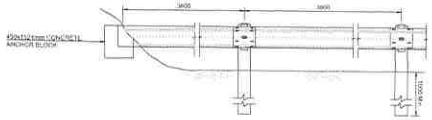
DETAIL OF FIXING

SCALE 1:10



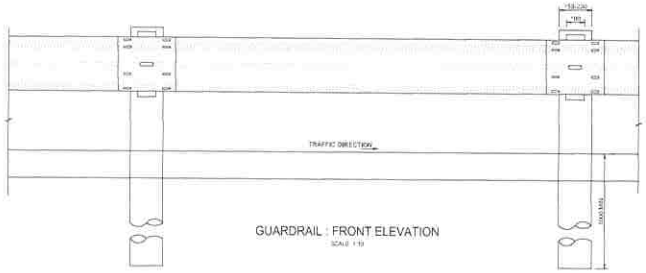
PLAN VIEW OF OVERLAP

SCALE 1:10



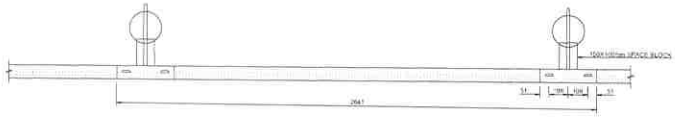
PORTION OF GAURDRAIL ANCHORED IN WALL OF EXCAVATION OR SIDE OF FILLING

SCALE 1:20



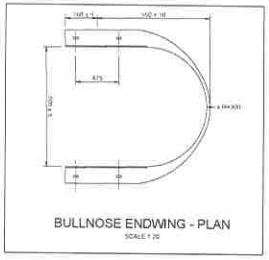
GUARDRAIL : FRONT ELEVATION

SCALE 1:10



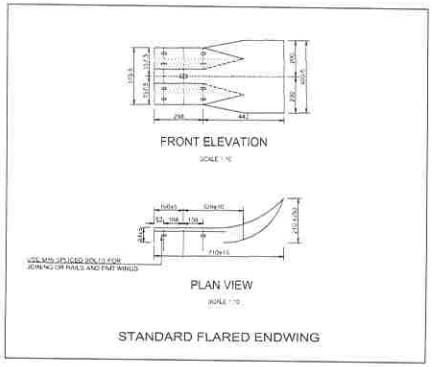
GUARDRAIL : PLAN

SCALE 1:10

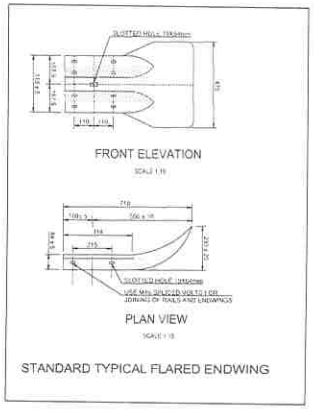


BULLNOSE ENDWING - PLAN

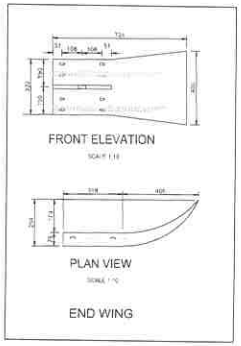
SCALE 1:20



STANDARD FLARED ENDWING



STANDARD TYPICAL FLARED ENDWING



END WING

DRAWING ISSUED FOR

TENDER

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CLIENT

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

Department of
Public Works, Roads and
Infrastructure

Revision Schedule

Rev	Date	By	Description
V1	2023.06.28	TL	ISSUED FOR TENDER

Discipline: CIVIL ENGINEERING

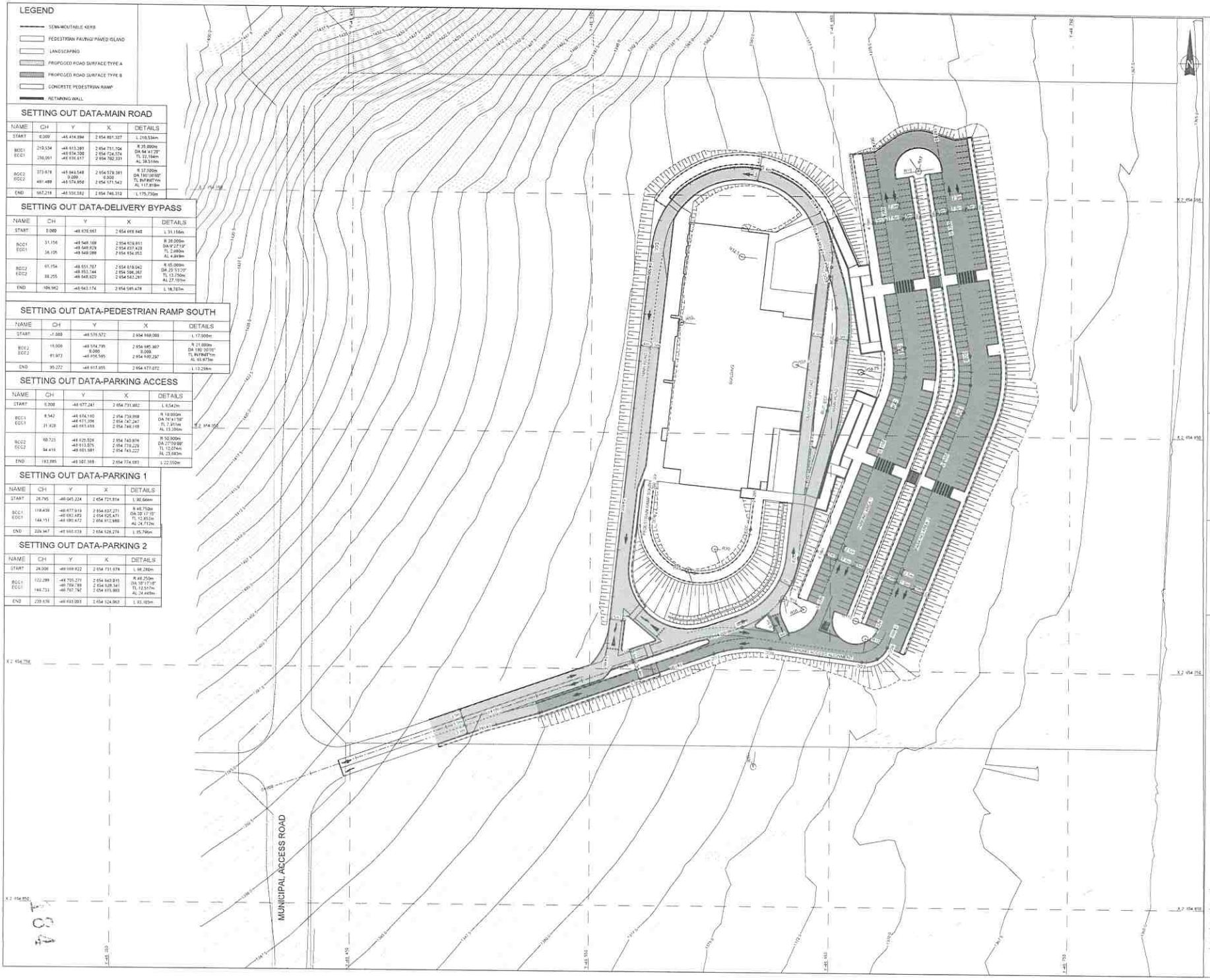
Project: THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE

Description: GUARDRAILS DETAIL

DESIGNED BY	DRAWN BY	APPROVED BY	COSA NUMBER
DATE	SCALE	SHEET SIZE	SIGNATURE
	AS SHOWN	A1	

DRAWING NUMBER

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SETTING OUT DATA-MAIN ROAD

NAME	CH	Y	X	DETAILS
START	0.000	-46 414.094	2 654 861.327	L 219.534m
BCC1 ECC1	219.534 256.091	-46 613.397 -46 634.390 -46 636.617	2 654 731.104 2 654 724.374 2 654 702.331	R 25.000m DA 64 41'29" TL 22.194m AL 38.514m
BCC2 ECC2	373.678 481.488	-46 846.548 0.000 -46 574.950	2 654 578.381 0.000 2 654 571.542	R 37.500m DA 180°30'00" TL INFINITYm AL 117.810m
END	567.219	-46 556.582	2 654 746.312	L 175.730m

SETTING OUT DATA-DELIVERY BYPASS

NAME	CH	Y	X	DETAILS
START	0.000	-46 670.067	2 654 669.848	L 31.156m
BCC1 ECC1	31.156 38.105	-46 649.169 -46 649.829 -46 649.089	2 654 619.811 2 654 617.428 2 654 634.353	R 20.000m DA 97°27'19" TL 2.680m AL 4.949m
BCC2 ECC2	61.154 88.255	-46 651.707 -46 653.144 -46 648.629	2 654 619.040 2 654 596.267 2 654 582.291	R 65.000m DA 23°53'29" TL 13.750m AL 27.101m
END	106.962	-46 643.174	2 654 585.478	L 18.707m

SETTING OUT DATA-PEDESTRIAN RAMP SOUTH

NAME	CH	Y	X	DETAILS
START	-17.000	-46 578.572	2 654 668.080	L 17.000m
BCC2 ECC2	19.000 61.973	-46 574.795 0.000 -46 616.585	2 654 685.307 0.000 2 654 648.297	R 21.000m DA 180°00'00" TL INFINITYm AL 65.973m
END	95.272	-46 617.855	2 654 677.072	L 12.299m

SETTING OUT DATA-PARKING ACCESS

NAME	CH	Y	X	DETAILS
START	0.000	-46 677.241	2 654 731.982	L 8.542m
BCC1 ECC1	8.542 21.928	-46 674.160 -46 671.356 -46 663.658	2 654 724.008 2 654 747.247 2 654 746.108	R 19.000m DA 76°41'58" TL 7.411m AL 15.380m
BCC2 ECC2	68.723 84.416	-46 625.524 -46 613.575 -46 601.581	2 654 740.874 2 654 729.229 2 654 743.222	R 50.000m DA 27°70 08" TL 12.274m AL 23.883m
END	183.085	-46 587.168	2 654 774.093	L 22.550m

SETTING OUT DATA-PARKING 1

NAME	CH	Y	X	DETAILS
START	28.795	-46 645.224	2 654 721.814	L 90.644m
BCC1 ECC1	119.439 144.151	-46 677.916 -46 692.483 -46 690.672	2 654 837.271 2 654 825.431 2 654 812.988	R 48.750m DA 28°17'05" TL 12.452m AL 24.712m
END	229.947	-46 660.639	2 654 928.274	L 85.796m

SETTING OUT DATA-PARKING 2

NAME	CH	Y	X	DETAILS
START	24.008	-46 668.822	2 654 731.678	L 98.280m
BCC1 ECC1	122.289 146.733	-46 705.271 -46 709.789 -46 707.790	2 654 843.815 2 654 828.341 2 654 815.883	R 48.750m DA 28°17'05" TL 12.537m AL 24.445m
END	239.636	-46 693.001	2 654 924.063	L 92.105m

DRAWING ISSUED FOR

TENDER

CONSULTANT

MUTEO CONSULTING

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LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

Department of
Public Works, Roads and Infrastructure

Revision Schedule

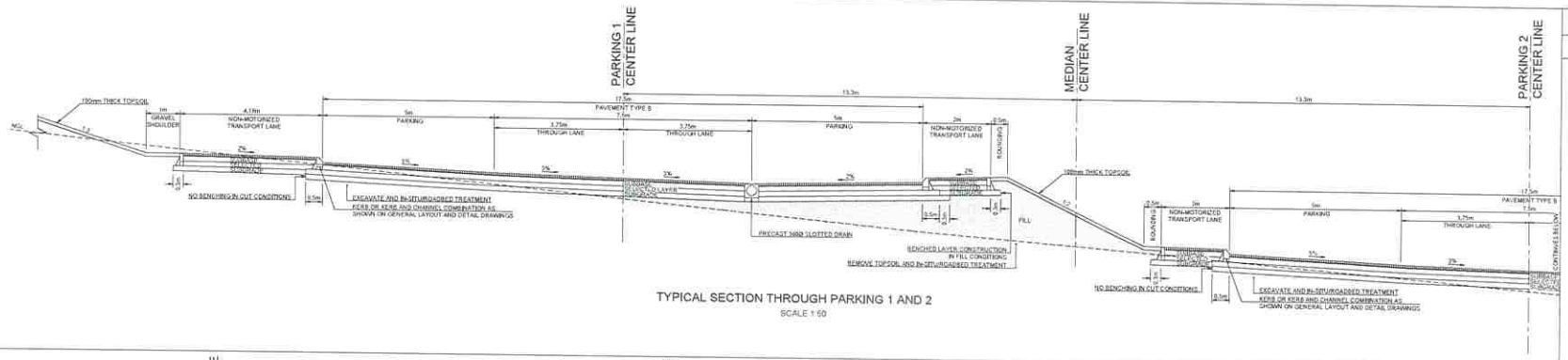
Rev	Date	by	Description

Discipline: CIVIL ENGINEERING

Project: THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE

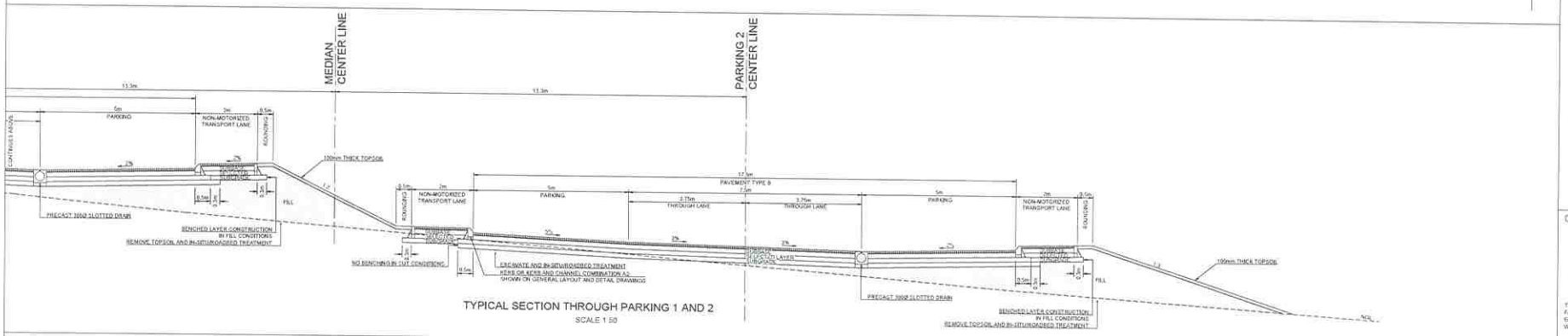
Description: ROAD GENERAL LAYOUT

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TYPICAL SECTION THROUGH PARKING 1 AND 2

SCALE 1:50



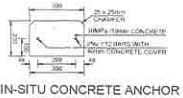
TYPICAL SECTION THROUGH PARKING 1 AND 2

SCALE 1:50



TYPICAL SECTION THROUGH MAIN ROAD AND PARKING ACCES ROAD

SCALE 1:50



CAST IN-SITU CONCRETE ANCHOR BEAM DETAIL

SCALE 1:10

NON-MOTORIZED TRANSPORT LANE AND PAVED MEDIANS AND ISLANDS

	LAYER NO.	LAYER THICKNESS	LAYER	DESCRIPTION	MINIMUM COMPACTION	MINIMUM CBR	MINIMUM UCS	MINIMUM GM	MAXIMUM PI
PAVEMENT TOP STRUCTURE	1	80mm	CONCRETE BLOCK PAVING	GRAY, TYPE M (S-C) INTERLOCKING, NON CHAMFERED CONCRETE BLOCKS CLASS 30/2.0, COMPLIANT WITH SANS 1058 LAID IN HERRINGBONE BOND WITH JOINTING SAND BROOMED TO FILL ALL GAPS	-	-	-	-	-
	2	20mm	BEDDING SAND	BEDDING SAND	-	-	-	-	-
	3	150mm	SUBBASE	NATURAL MATERIAL (G7)	95% OF MDD	25 @ 90% OF MDD (NEAT)	-	-	-
SUBGRADE	7	150mm	SUBGRADE	NATURAL MATERIAL (G8) RIPPED AND RE-COMPACTED OR IN-SITU MATERIAL STABILISED TO REQUIRED STRENGTH	90% OF MDD	7 @ 90% OF MDD	-	-	-
FILL	9	200mm	FILL	NATURAL MATERIAL	90% OF MDD	3 @ 93% OF MDD SWELL ≤ 2 @100% MDD	-	-	-
	10	150mm	IN-SITU/ROADBED TREATMENT	REMOVE TOPSOIL, RIP AND RE-COMPACT IN-SITU MATERIAL	93% OF MDD	-	-	-	-

PAVEMENT TYPE A

	LAYER NO.	LAYER THICKNESS	LAYER	DESCRIPTION	MINIMUM COMPACTION	MINIMUM CBR	MINIMUM UCS	MINIMUM GM	MAXIMUM PI
PAVEMENT TOP STRUCTURE	1	80mm	CONCRETE BLOCK PAVING	GRAY, TYPE A (S-A) INTERLOCKING, CHAMFERED CONCRETE BLOCKS CLASS 30/2.0, COMPLIANT WITH SANS 1058 LAID IN HERRINGBONE BOND WITH JOINTING SAND BROOMED TO FILL ALL GAPS	-	-	-	-	-
	2	20mm	BEDDING SAND	BEDDING SAND	-	-	-	-	-
	3	240mm	SUBBASE	NATURAL GRAVEL (G5/6) STABILISED TO C3 QUALITY	97% OF MDD	45 @ 95% OF MDD (NEAT)	1250 @ 97% OF MDD	1.5	6
	5	150mm	SELECTED LAYER	NATURAL GRAVEL (G9)	95% OF MDD	50 @ 95% OF MDD	-	0.75	30M + 10
SUBGRADE	7	150mm	SUBGRADE	NATURAL MATERIAL (G7) RIPPED AND RE-COMPACTED OR IN-SITU MATERIAL STABILISED TO REQUIRED STRENGTH	90% OF MDD	25 @ 90% OF MDD	-	-	-
FILL	9	200mm	FILL	NATURAL MATERIAL	90% OF MDD	3 @ 93% OF MDD SWELL ≤ 2 @100% MDD	-	-	-
	10	150mm	IN-SITU/ROADBED TREATMENT	REMOVE TOPSOIL, RIP AND RE-COMPACT IN-SITU MATERIAL	93% OF MDD	-	-	-	-

PAVEMENT TYPE B

	LAYER NO.	LAYER THICKNESS	LAYER	DESCRIPTION	MINIMUM COMPACTION	MINIMUM CBR	MINIMUM UCS	MINIMUM GM	MAXIMUM PI
PAVEMENT TOP STRUCTURE	1	60mm	CONCRETE BLOCK PAVING	GRAY, TYPE M (S-C) INTERLOCKING, NON CHAMFERED CONCRETE BLOCKS CLASS 30/2.0, COMPLIANT WITH SANS 1058 LAID IN HERRINGBONE BOND WITH JOINTING SAND BROOMED TO FILL ALL GAPS	-	-	-	-	-
	2	20mm	BEDDING SAND	BEDDING SAND	-	-	-	-	-
	3	150mm	SUBBASE	NATURAL GRAVEL (G5/6) STABILISED TO C3 QUALITY	97% OF MDD	45 @ 95% OF MDD (NEAT)	1250 @ 97% OF MDD	1.5	6
	5	150mm	SELECTED LAYER	NATURAL GRAVEL (G9)	95% OF MDD	50 @ 95% OF MDD	-	0.75	30M + 10
SUBGRADE	7	150mm	SUBGRADE	NATURAL MATERIAL (G7) RIPPED AND RE-COMPACTED OR IN-SITU MATERIAL STABILISED TO REQUIRED STRENGTH	90% OF MDD	25 @ 90% OF MDD	-	-	-
FILL	9	200mm	FILL	NATURAL MATERIAL	90% OF MDD	3 @ 93% OF MDD SWELL ≤ 2 @100% MDD	-	-	-
	10	100mm	IN-SITU/ROADBED TREATMENT	REMOVE TOPSOIL, RIP AND RE-COMPACT IN-SITU MATERIAL	95% OF MDD	-	-	-	-

DRAWING ISSUED FOR

TENDER

CONSULTANT

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CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

Department of Public Works, Roads and Infrastructure

Revision Schedule

Rev	Date	By	Description
V1	2023.06.28	TL	ISSUED FOR TENDER

CIVIL ENGINEERING — Discipline

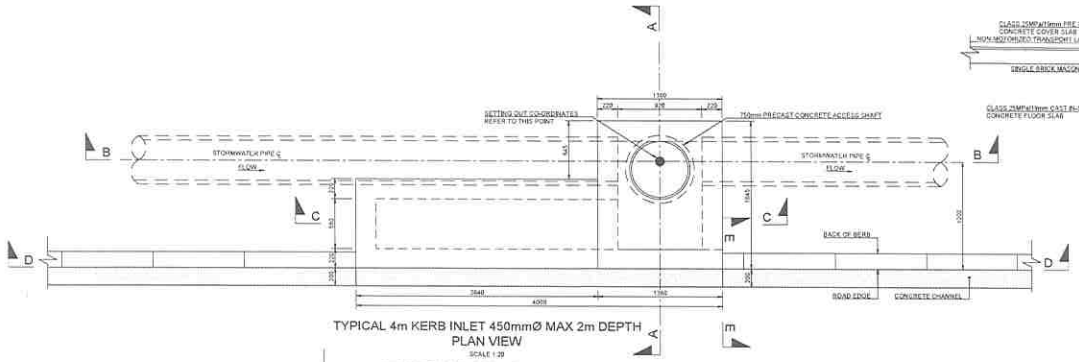
THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE — Project

TYPICAL ROAD SECTIONS — Description

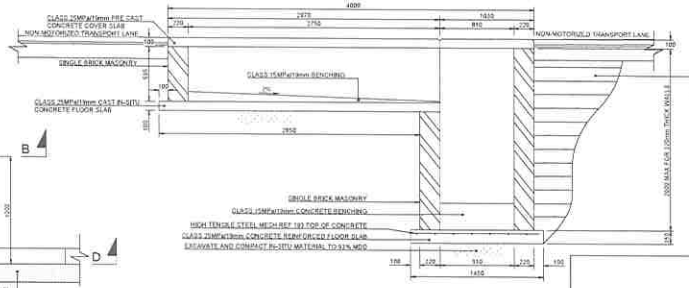
DESIGNED BY	DRAWN BY	APPROVED BY	TCOA NUMBER
DATE	SCALE	SHEET SIZE	SIGNATURE

DRAWING NUMBER

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TYPICAL 4m KERB INLET 450mmØ MAX 2m DEPTH
PLAN VIEW
SCALE 1:20

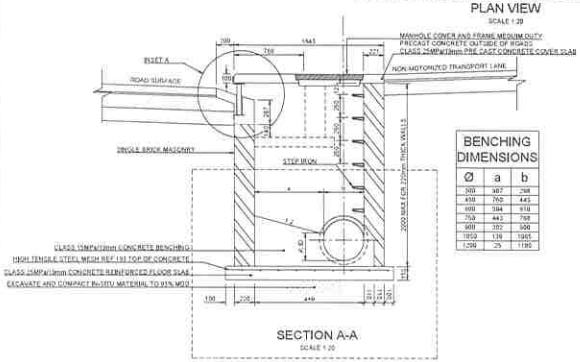


SECTION C-C
SCALE 1:20

NOTES:

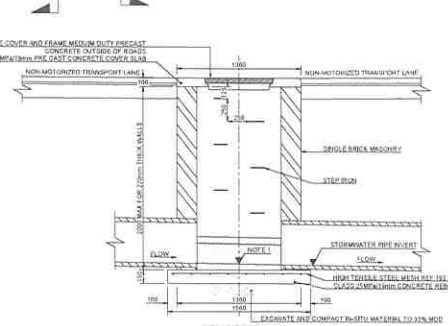
1. ALL BRICKS SHALL BE CLASS NFP 30MPa EXTRA HARD BURNT CLAY BRICKS IN ACCORDANCE WITH SANS 227.
2. UNLESS OTHERWISE SHOWN, BRICK WORK SHALL NOT BE PLASTERED.
3. UNLESS OTHERWISE SHOWN, BRICK MORTAR SHALL BE FINISHED FLUSH WITH WALL FACE.
4. ALL 220mm THICK BRICK WALLS SHALL RECEIVE 1 STRIP BRICKFORCE EVERY FOURTH LAYER AND 110mm THICK BRICK WALLS SHALL RECEIVE 2 STRIPS OF BRICKFORCE EVERY SECOND LAYER.
5. WELDED STEEL ASSEMBLIES SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH SANS 32/EN 10240 AFTER ALL WELDING AND DRILLING (WELDING OVER AND DRILLING THROUGH GALVANIZING IS NOT PERMITTED).
6. ALL STEP IRONS IN BRICK WALLS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH SANS 32/EN 10240 AND SHALL BE OF TYPE PWM 255mm LONG, FOR BRICKWORK, BY SAINT GOBAIN.
7. ALL PRECAST CONCRETE KERB JOINTS SHALL BE 10mm WIDE
8. EVERY SECOND JOINTS SHALL BE OPEN AND FILLED WITH 1:3 CEMENT/SAND MORTAR ALTERNATELY.
9. MORTAR SHALL BE POINTED WITH A POINTING TROWEL.
10. PRECAST CONCRETE KERB UNITS SHALL HAVE 1m LENGTH ON STRAIGHTS AND 0.3m LENGTH ON CURVES UP TO 15m RADIUS

NOTE 1:
SETTING OUT CO-ORDINATES AND LONGITUDINAL SECTION INVERT LEVELS REFER TO THIS POINT.

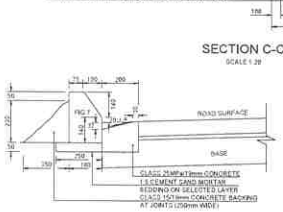


BENCHING DIMENSIONS		
Ø	a	b
300	307	298
450	760	445
600	594	610
750	442	760
900	292	900
1050	139	1065
1200	25	1180

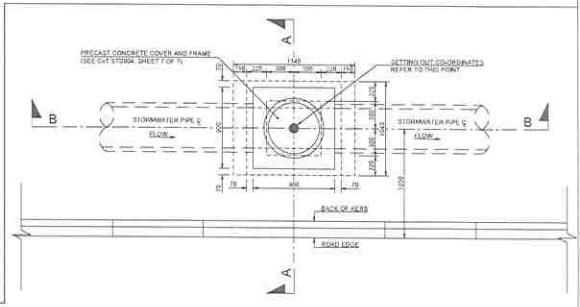
SECTION A-A
SCALE 1:20



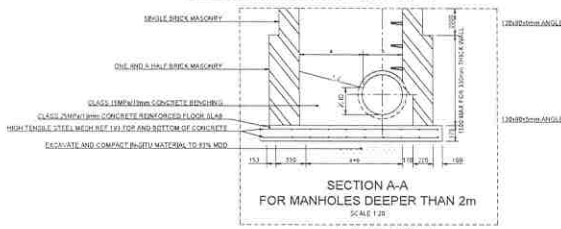
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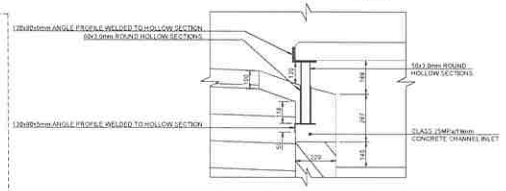
SECTION E-E
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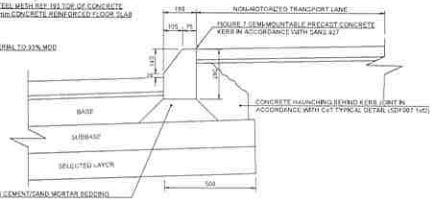
TYPICAL MANHOLE/JUNCTION BOX
PLANE VIEW
SCALE 1:20



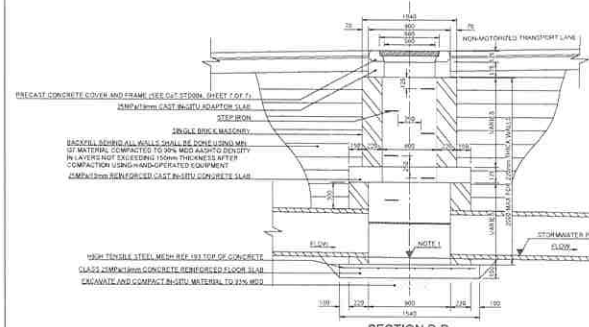
SECTION A-A
FOR MANHOLES DEEPER THAN 2m
SCALE 1:20



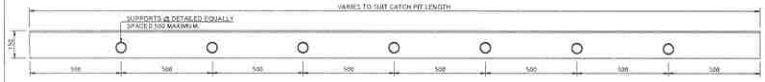
INSET A
SCALE 1:10



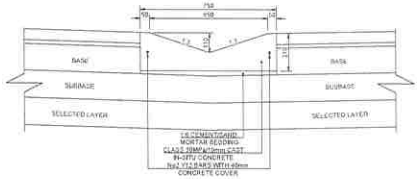
TYPICAL SEMI-MOUNTABLE KERB WITHOUT
CHANNEL AT HIGH POINT/PARKING BAY
SCALE 1:10



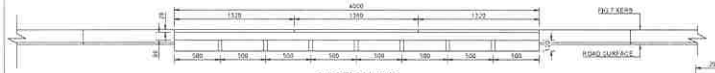
SECTION B-B
SCALE 1:20



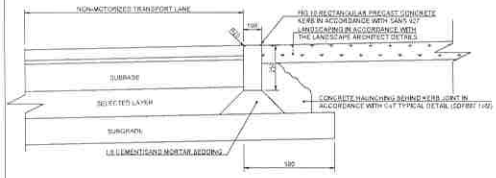
PLAN VIEW STEEL FRAME (*LH OR RH)
SCALE 1:10



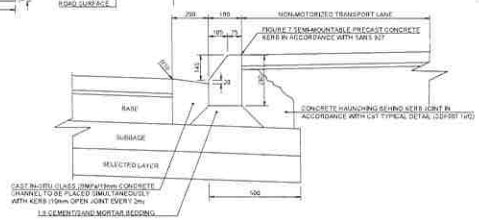
TYPICAL CONCRETE CHANNEL DETAIL
SCALE 1:10



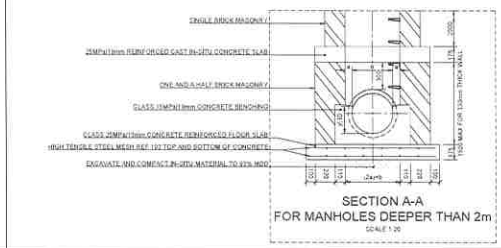
SECTION D-D
SCALE 1:20



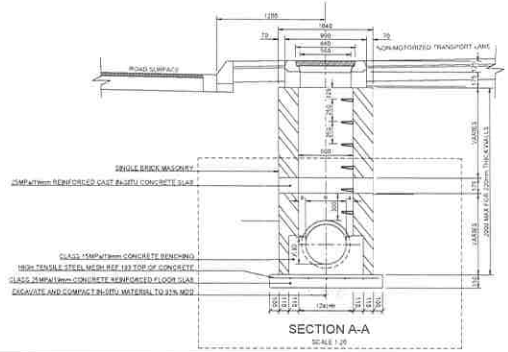
TYPICAL EDGE BEAM DETAIL
SCALE 1:10



TYPICAL SEMI-MOUNTABLE KERB
WITH CHANNEL AT LOW POINT
SCALE 1:10



SECTION A-A
FOR MANHOLES DEEPER THAN 2m
SCALE 1:20



BENCHING DIMENSIONS		
Ø	a	b
300	151	298
450	78	445
600	2	610
750	2	760
900	2	900
1050	2	1065
1200	2	1180

SECTION A-A
SCALE 1:20

Rev	Date	By	Description
V2	2023.06.28	TL	ISSUED FOR TENDER
V1	2022.09.30	TL	ISSUED FOR TENDER

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REPUBLIC OF SOUTH AFRICA
Department of
Public Works, Roads and Infrastructure

APPROVED	E.Mathivha
DESIGNED	S.Dube
DRAWN	T.Lebona
DATE	2023.06.28
CAD NUMBER	
SIGNATURE	

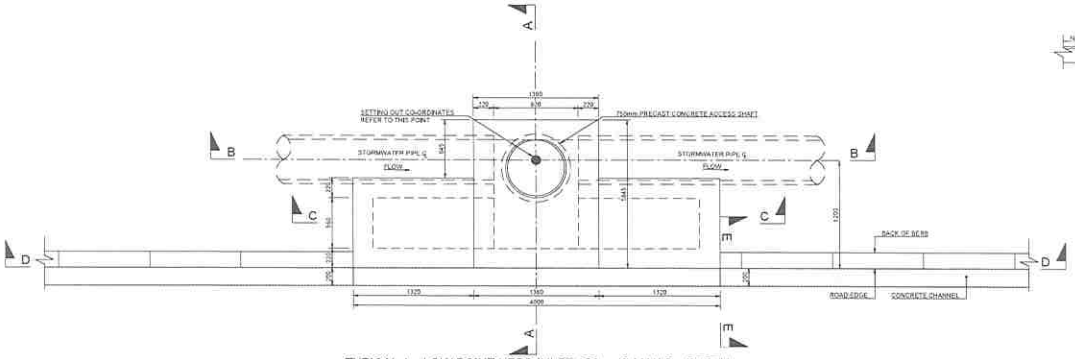
Project
THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE

SCALE: AS SHOWN | SHEET NO: A0

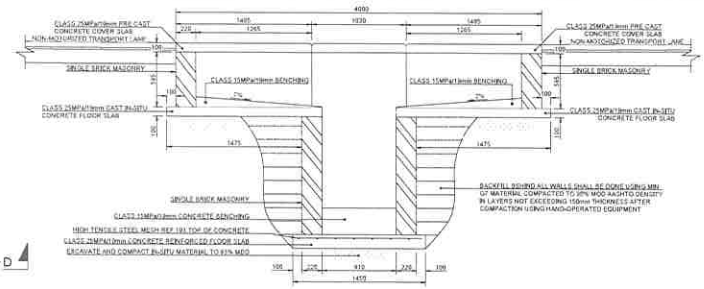
DRAWING NUMBER
0688-00001-V2

Discipline
CIVIL ENGINEERING

Description
STORMWATER DETAIL
SHEET 1



TYPICAL 4m LOW POINT KERB INLET 450mmØ MAX 2m DEPTH
PLAN VIEW
SCALE 1:20

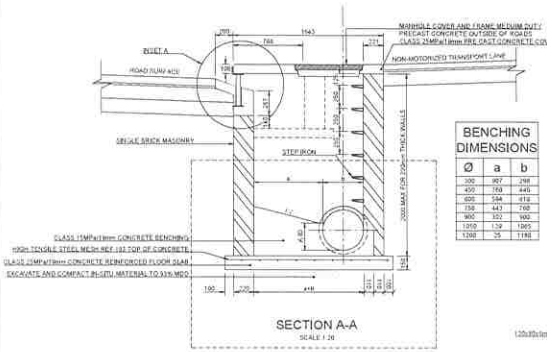


SECTION C-C
SCALE 1:20

NOTES:

1. ALL BRICKS SHALL BE CLASS NFP 30MPa EXTRA-HARD BURNT CLAY BRICKS IN ACCORDANCE WITH SANS 227.
2. UNLESS OTHERWISE SHOWN, BRICK WORK SHALL NOT BE PLASTERED.
3. UNLESS OTHERWISE SHOWN, BRICK MORTAR SHALL BE FINISHED FLUSH WITH WALL FACE.
4. ALL 220mm THICK BRICK WALLS SHALL RECEIVE 1 STRIP BRICKFORCE EVERY FOURTH LAYER AND 150mm THICK BRICK WALLS SHALL RECEIVE 2 STRIPS OF BRICKFORCE EVERY SECOND LAYER.
5. WELDED STEEL ASSEMBLIES SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH SANS 32(EN 10240 AFTER ALL WELDING AND DRILLING (WELDING OVER AND DRILLING THROUGH GALVANIZING IS NOT PERMITTED)
6. ALL STEP IRONS IN BRICK WALLS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH SANS 32(EN 10240 AND SHALL BE OF TYPE PAM 255mm LONG FOR BRICKWORK, BY SAINT GOBAIN.
7. ALL PRECAST CONCRETE KERB JOINTS SHALL BE 10mm WIDE
8. EVERY SECOND JOINTS SHALL BE OPEN AND FILLED WITH 1:3 CEMENT/SAND MORTAR ALTERNATELY
9. MORTAL SHALL BE POINTED WITH A POINTING TROWEL
10. PRECAST CONCRETE KERB UNITS SHALL HAVE 1m LENGTH ON STRAIGHTS AND 0.3m LENGTH ON CURVES UP TO 15m RADIUS

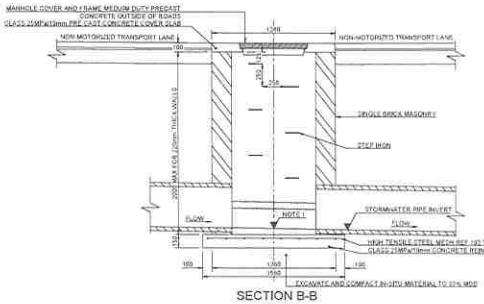
NOTE 1:
SETTING OUT CO-ORDINATES AND LONGITUDINAL SECTION INVERT LEVELS REFER TO THIS POINT.



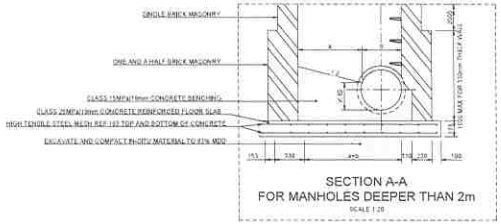
SECTION A-A
SCALE 1:20

BENCHING DIMENSIONS

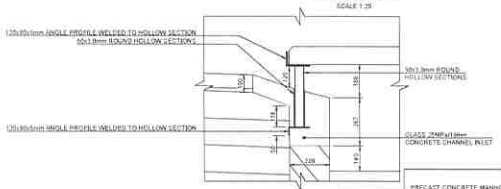
Ø	a	b
300	307	298
450	758	445
600	584	1412
750	443	760
900	322	902
1050	1.39	1365
1200	25	1198



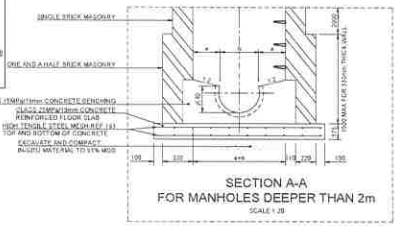
SECTION B-B
SCALE 1:20



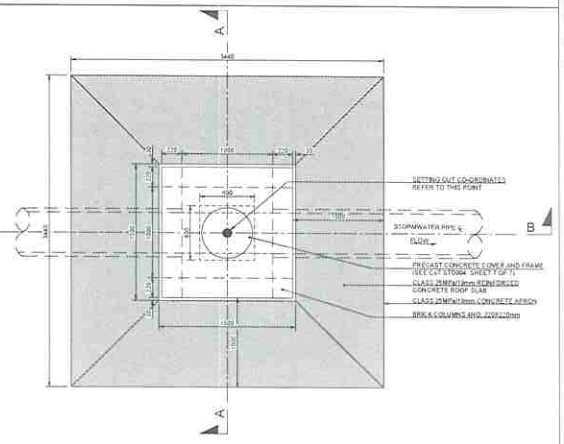
SECTION A-A
FOR MANHOLES DEEPER THAN 2m
SCALE 1:20



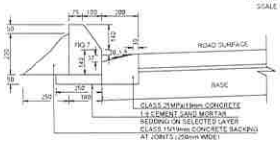
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SCALE 1:10



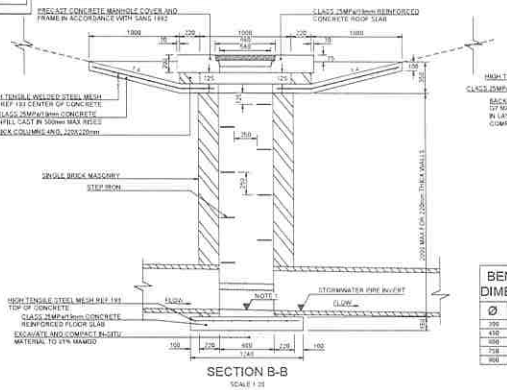
SECTION A-A
FOR MANHOLES DEEPER THAN 2m
SCALE 1:20



TYPICAL FIELD INLET
PLAN VIEW
SCALE 1:20



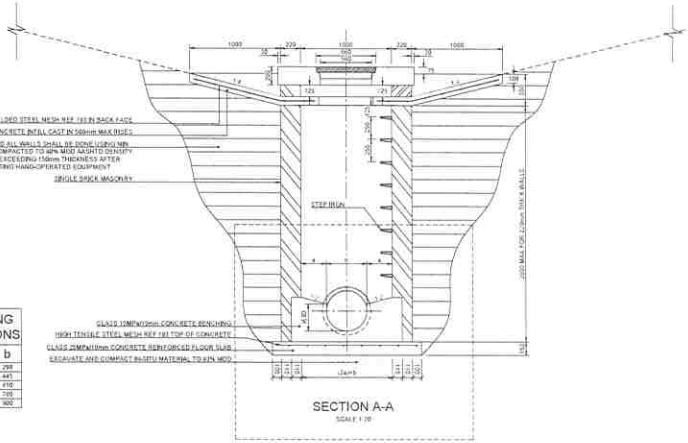
SECTION E-E
SCALE 1:10



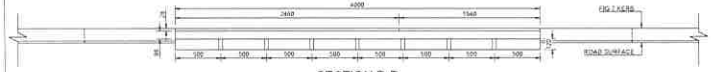
SECTION B-B
SCALE 1:20

BENCHING DIMENSIONS

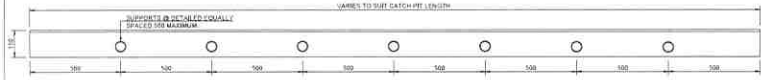
Ø	a	b
300	352	298
450	280	445
600	195	410
750	125	795
900	53	900



SECTION A-A
SCALE 1:20



SECTION D-D
SCALE 1:20



PLAN VIEW STEEL FRAME (*LH OR RH)
SCALE 1:10

Rev	Date	By	Description
V2	2023.06.28	TL	ISSUED FOR TENDER
V1	2022.09.30	TL	ISSUED FOR TENDER

Revision Schedule

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Department of
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CHECKED	S.Dawo
APPROVED	T.Lekhuleni
DATE	2023.06.28
CONSULTANT	

Project
THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE

SCALE: AS SHOWN SHEET SIZE: A0

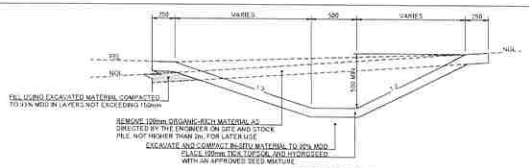
DRAWING NUMBER
0688-05002-V2

Discipline
CIVIL ENGINEERING

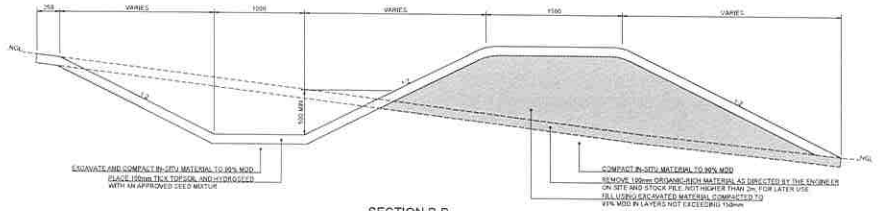
Description
STORMWATER DETAIL SHEET 1

NOTES:

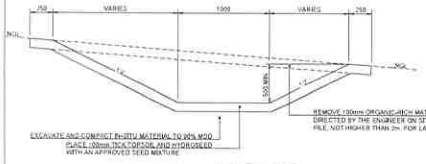
1. ALL BRICKS SHALL BE CLASS NFP 30MPa EXTRA HARD BURNT CLAY BRICKS IN ACCORDANCE WITH SANS 227.
2. UNLESS OTHERWISE SHOWN, BRICK WORK SHALL NOT BE PLASTERED.
3. UNLESS OTHERWISE SHOWN, BRICK MORTAR SHALL BE FINISHED FLUSH WITH WALL FACE.
4. ALL 220MM THICK BRICK WALLS SHALL RECEIVE 1 STRIP BRICKFORCE EVERY FOURTH LAYER.
5. UNLESS OTHERWISE SHOWN ALL CONCRETE SHALL BE 25MPa/19mm
6. UNLESS OTHERWISE SHOWN OR SPECIFIED ALL EXPOSED CONCRETE SURFACE SHALL HAVE A WOOD FLOAT SURFACE FINISH AND SHALL BE COVER WITH APPROVED CURING COMPOUND WITHIN 24 HOURS OF CASTING.
7. ALL CONCRETE EDGES SHALL BE CHAMFERED 20mm



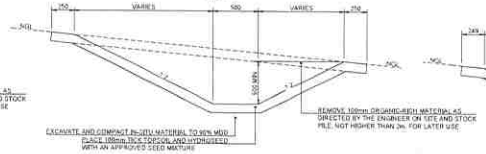
SECTION A-A
TYPICAL SECTION THROUGH
MAIN ROAD OPEN DRAIN
SCALE 1:20



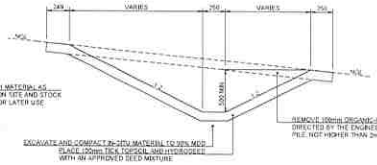
SECTION B-B
TYPICAL SECTION THROUGH
CUT OFF BERM AND DRAIN
SCALE 1:20



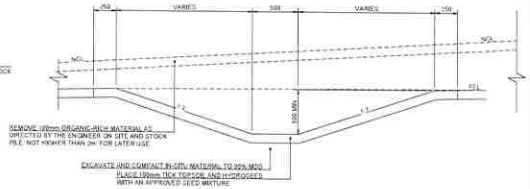
SECTION C-C
TYPICAL SECTION THROUGH
OPEN DRAIN 1
SCALE 1:20



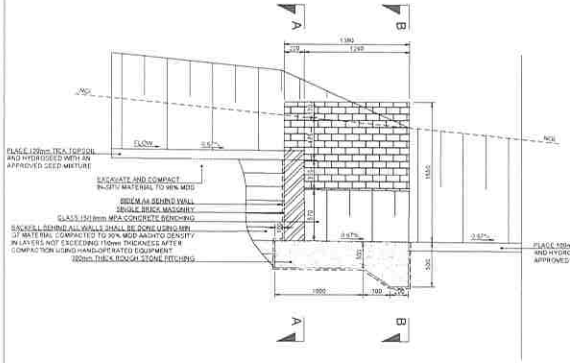
SECTION D-D
TYPICAL SECTION THROUGH
OPEN DRAIN 2
SCALE 1:20



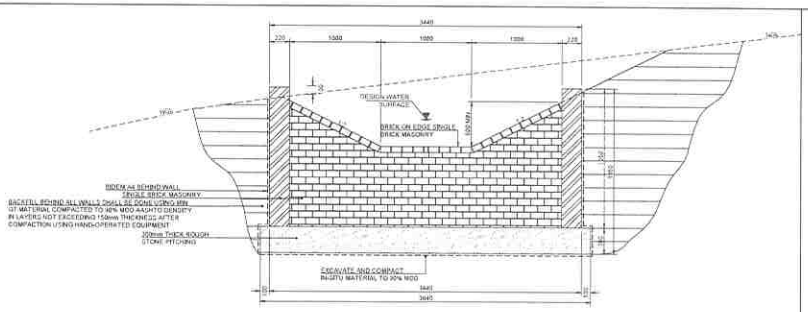
SECTION E-E
TYPICAL SECTION THROUGH
OPEN DRAIN 3
SCALE 1:20



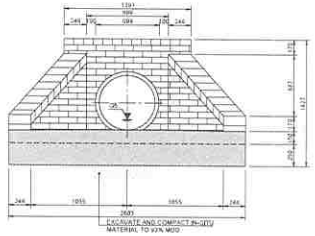
SECTION F-F
TYPICAL SECTION THROUGH
OPEN DRAIN 4
SCALE 1:20



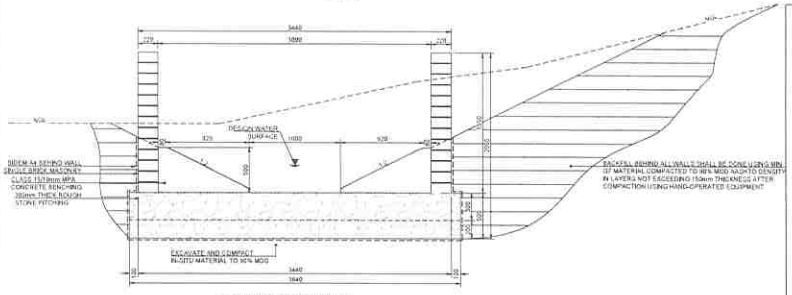
LONGITUDINAL SECTION
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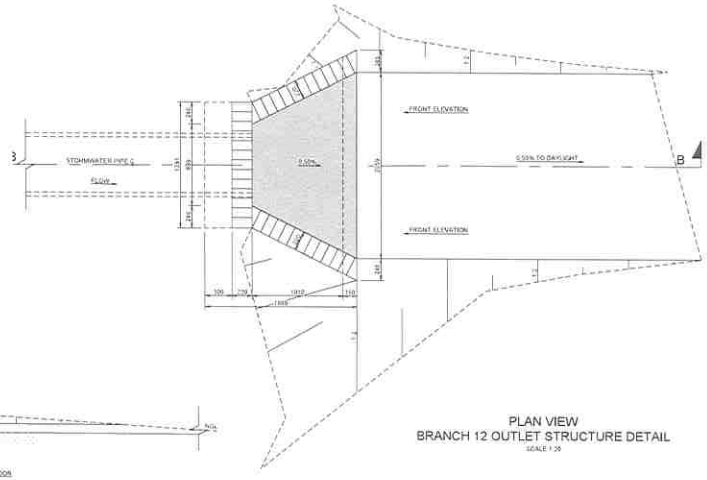
CROSS SECTION A-A
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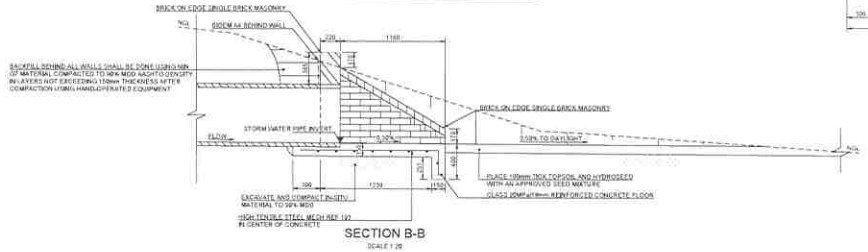
FRONT ELEVATION
BRANCH 12 OUTLET STRUCTURE
SCALE 1:20



CROSS SECTION B-B
SCALE 1:20



PLAN VIEW
BRANCH 12 OUTLET STRUCTURE DETAIL
SCALE 1:20



SECTION B-B
SCALE 1:20

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REPUBLIC OF SOUTH AFRICA
Department of
Public Works, Roads and Infrastructure

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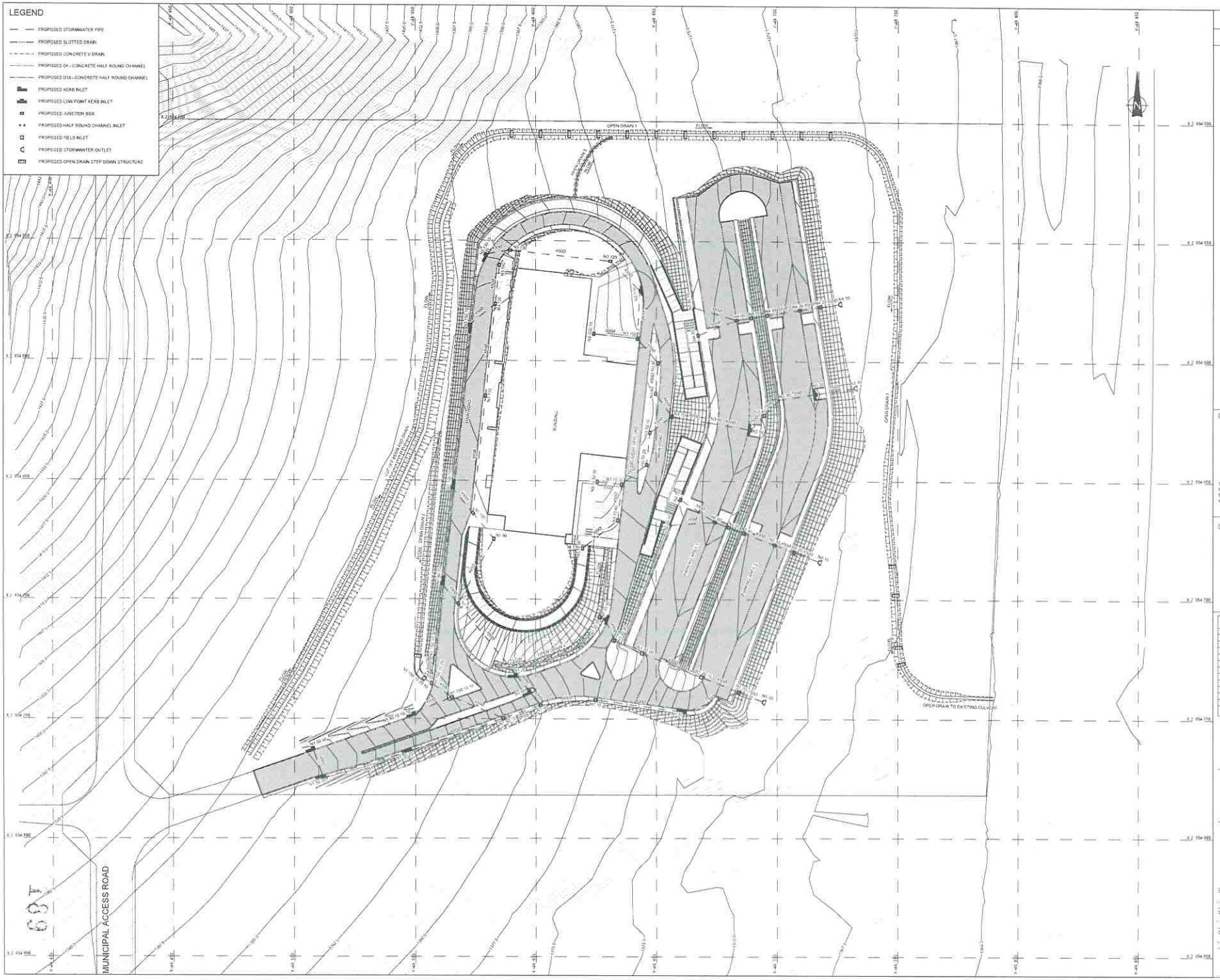
Rev	Date	By	Description

CIVIL ENGINEERING — Discipline

THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE — Project

STORMWATER
TYPICAL SECTION — Description

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Revision Schedule

Rev	Date	by	Description

CIVIL ENGINEERING — Discipline

THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE — Project

STORMWATER NETWORK GENERAL LAYOUT — Description

DESIGNED BY	DRAWN BY	APPROVED BY	PCSA NUMBER
DATE	SCALE	SHEET SIZE	SIGNATURE

DRAWING NUMBER

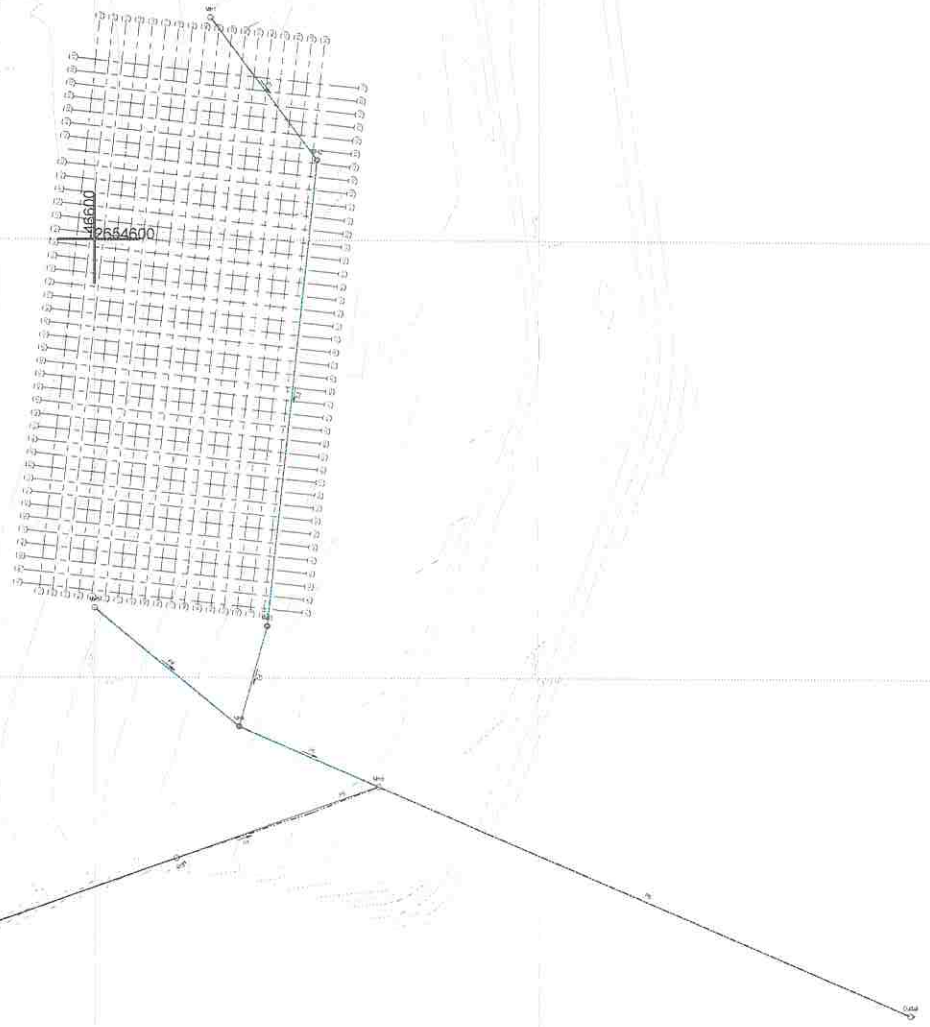
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STRUCTURE LIST-Bakone Bulk Sewer

STRUCTURE NAME	Y	X	RIM ELEVATION	SUMP ELEVATION SUMP DEPTH	INVERT ELEVATION	MATERIAL
MH1	-46676.150	2654540.777	1380.574	1375.374 1.200	IN=INV OUT=1371.374	Liner
MH2	-46666.155	2654552.980	1379.059	1377.859 1.200	IN=INV IN=1378.466 IN=INV OUT=1378.459	Liner Liner
MH3	-46634.347	2654595.147	1378.845	1376.645 1.921	IN=INV IN=1374.837 IN=INV OUT=1373.646	Liner Liner
MH4	-46632.714	2654711.956	1378.339	1375.539 2.800	IN=INV IN=1375.606 IN=INV IN=1375.606 IN=INV OUT=1373.542	Liner Liner Liner
MH5	-46600.021	2654804.648	1381.183	1379.279 2.899	IN=INV OUT=1378.411	Liner
MH6	-46666.128	2654724.757	1376.789	1373.589 3.213	IN=INV IN=1373.583 IN=INV IN=1373.530 IN=INV OUT=1373.083	Liner Liner Liner
MH7	-46618.513	2654740.968	1376.035	1377.213 1.293	IN=INV IN=1377.213 IN=INV OUT=1377.213	Liner Liner
MH12	-46531.305	2654771.344	1383.737	1376.621 6.508	IN=INV OUT=1376.621	Liner
Outfall	-46581.552	2654715.457	1371.394	1372.194 1.200	IN=INV IN=1371.194	Liner

PIPE LIST-Bakone Bulk Sewer

PIPE NAME	START INVERT LEVEL	END INVERT LEVEL	3D LENGTH TO INSIDE EDGES	SLOPE	DIAMETER AND CLASS
P1	1378.371	1378.459	36.252	2.250%	160 m/m Class 34
P2	1378.459	1376.837	105.583	1.435%	160 m/m Class 34
P3	1376.686	1376.376	22.258	1.435%	160 m/m Class 34
P4	1376.411	1376.179	41.474	1.435%	160 m/m Class 34
P5	1376.042	1373.283	33.213	3.735%	160 m/m Class 34
P6	1373.583	1373.194	129.982	2.238%	160 m/m Class 34
P7	1373.661	1373.241	31.244	1.762%	160 m/m Class 34
P8	1373.333	1374.621	90.867	-0.556%	160 m/m Class 34
P9	1373.396	1373.330	15.099	2.812%	160 m/m Class 34



2654600 2654800 46400 46600 46800

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Department of
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Revision Schedule

Rev	Date	By	Description

Discipline: CIVIL ENGINEERING

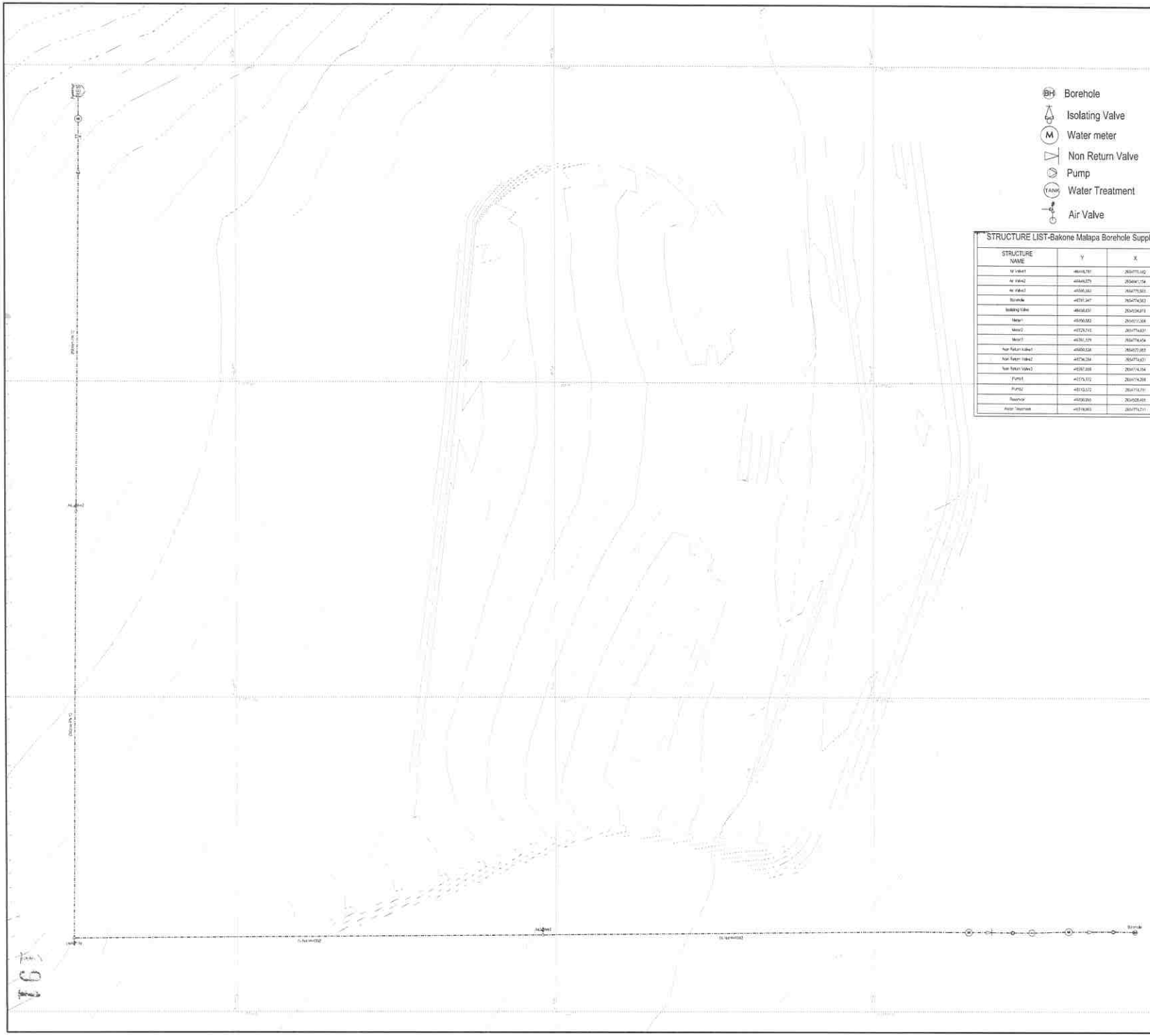
Project: THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE

Description: SEWER LAYOUT

DESIGNED BY	DRAWN BY	APPROVED BY	DATE
E.MHANDU	T. LEBOHO	E.MHANDU	
DATE	SCALE	SHEET SIZE	REVISION
2022.04.25	1:250	A0	

LDPWRS-PROF/TENDER/2021/022 - CV-MEC-0

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STRUCTURE LIST-Bakone Malapa Borehole Supply

STRUCTURE NAME	Y	X
Air Valve1	4844478.797	2654775.402
Air Valve2	4844463.875	2654947.154
Air Valve3	4844585.662	2654775.503
Borehole	4878713.447	2654774.503
Isolating Valve	4844585.631	2654594.873
Meter1	4844560.663	2654517.304
Meter2	4872879.745	2654774.637
Meter3	4878713.579	2654774.654
Non Return Valve1	4844560.658	2654537.083
Non Return Valve2	4873436.254	2654774.603
Non Return Valve3	4878713.608	2654774.554
Pump1	4878713.572	2654774.208
Pump2	4878713.572	2654774.791
Reservoir	4844560.896	2654528.665
Water Treatment	4878713.665	2654774.711

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Revision Schedule

Rev	Date	By	Description

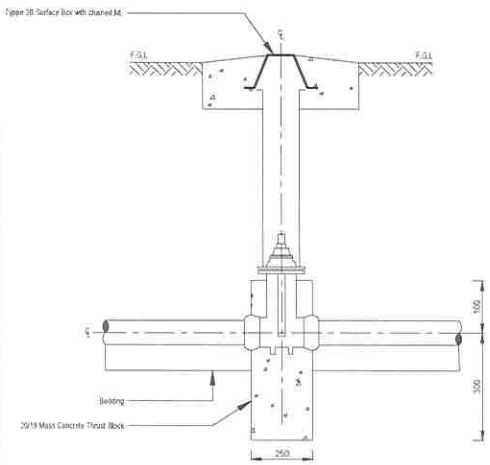
Discipline: CIVIL ENGINEERING

Project: THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE

Description: BOREHOLE SUPLY LAYOUT
RISING MAIN

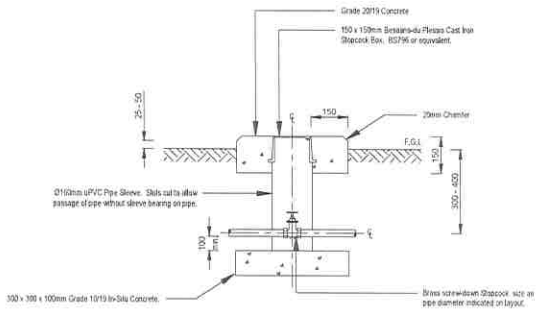
DESIGNED BY	DRAWN BY	APPROVED BY	DATE APPROVED
E.MHANDU	T. LEBOHO	E.MHANDU	
SCALE	SCALE	SHEET SIZE	REVISION
	1:250	A0	

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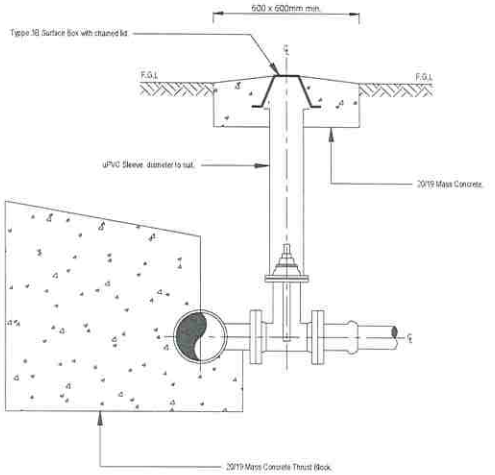
LINE VALVE - LONG SECTION

Scale 1 : 10



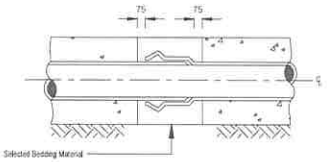
TYPICAL STOPCOCK CHAMBER

Scale 1 : 10



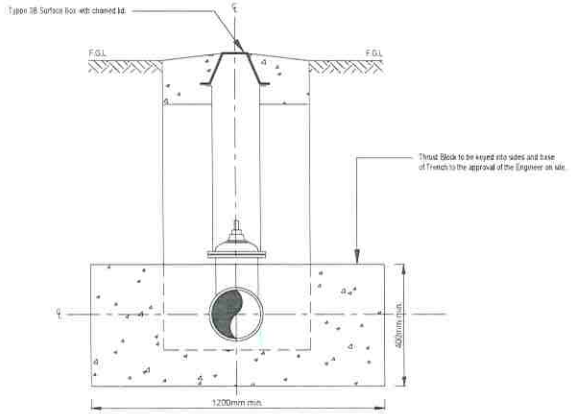
VALVE AT FLANGED TEE

Scale 1 : 10



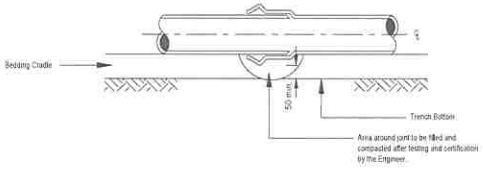
DETAIL AT JOINT - CONCRETE SURROUND

Scale 1 : 10



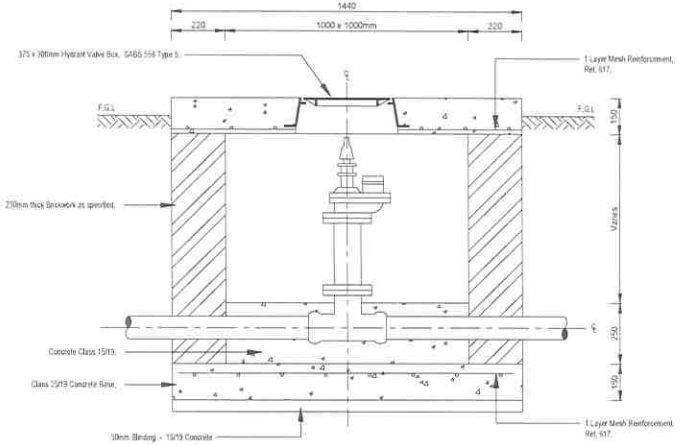
LINE VALVE - CROSS SECTION

Scale 1 : 10



TYPICAL JOINT POCKETS

Scale 1 : 10



BRICKWORK HYDRANT CHAMBER DETAILS

Scale 1 : 10

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NOTES:

1. Refer to all relevant drawings and specifications, do not scale any dimensions.
2. Where discrepancies occur between the project drawings and specifications, these should be reported immediately to the Principal Agent.
3. All dimensions and levels to be checked on site, and correlated with the Engineers drawing before construction commences.

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Revision Schedule

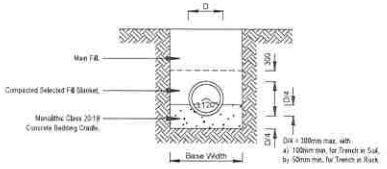
Rev	Date	by	Description
0	2022.09.02	TL	ISSUED FOR TENDER

Discipline: CIVIL ENGINEERING

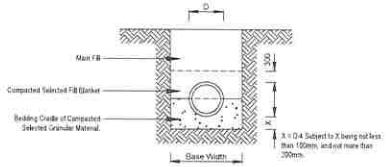
Project: THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE

Description: ISOLATION VALVE DETAIL LAYOUT

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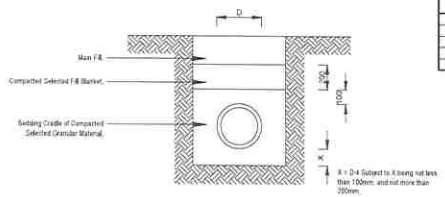


RIGID PIPE ON CLASS A BED

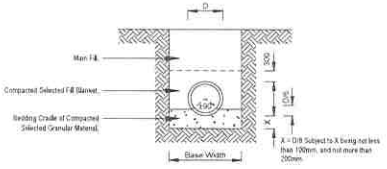


RIGID PIPE ON CLASS B BED

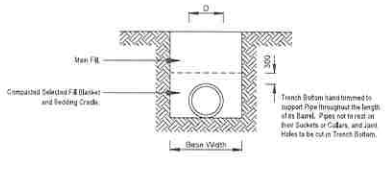
MINIMUM BASE WIDTH FOR PIPE TRENCHES		
EXTERNAL PIPE DIAMETER (mm)		
OVER	UP TO AND INCLUDING	SIDE ALLOWABLE ON EACH SIDE (mm)
-	125	200
175	700	300
700	1000	400
1000	2000	500
2000	-	600



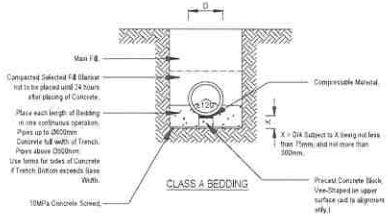
BEDDING FOR FLEXIBLE PIPES



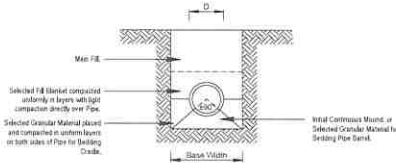
RIGID PIPE ON CLASS C BED



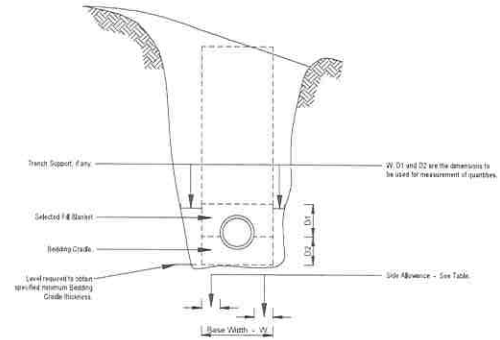
RIGID PIPE ON CLASS D BED



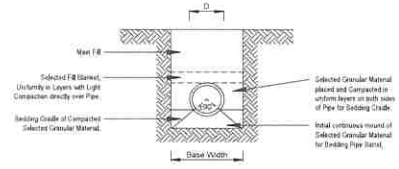
CLASS A BEDDING



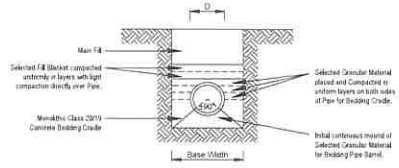
CLASS B BEDDING



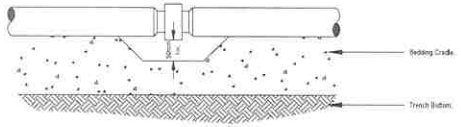
MEASUREMENT OF BEDDING



RIGID PIPE ON CLASS C BED



FLEXIBLE PIPE SUPPORTED ON SELECTED GRANULAR MATERIAL



TYPICAL JOINT POCKETS

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Revision Schedule			
Rev	Date	by	Description
0	2023.09.07	TL	ISSUED FOR TENDER

CIVIL ENGINEERING — Discipline

THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE — Project

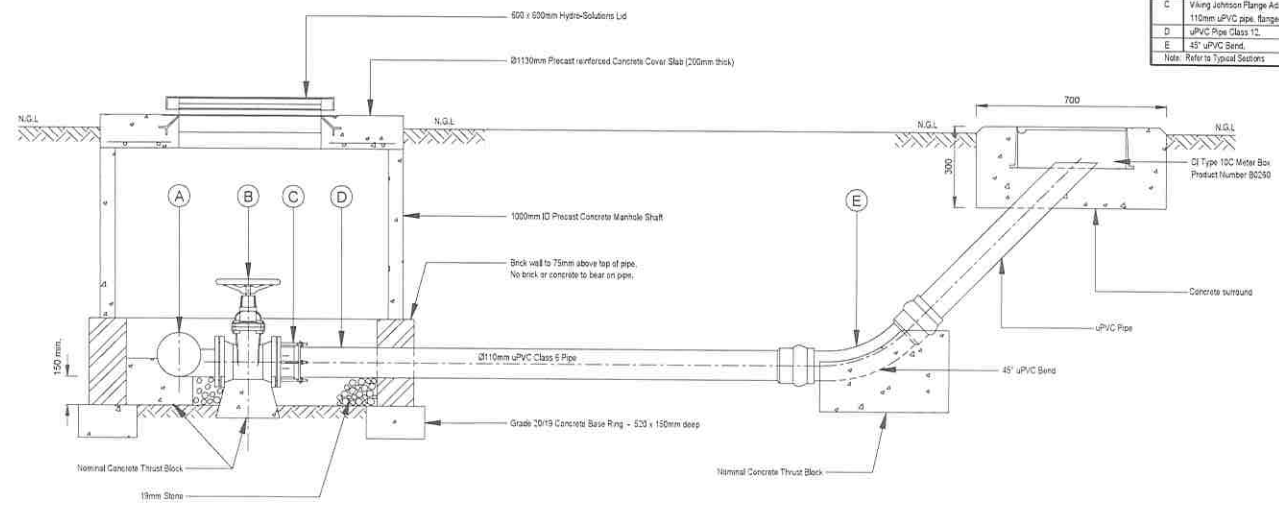
PIPE BEDDING DETAIL LAYOUT — Description

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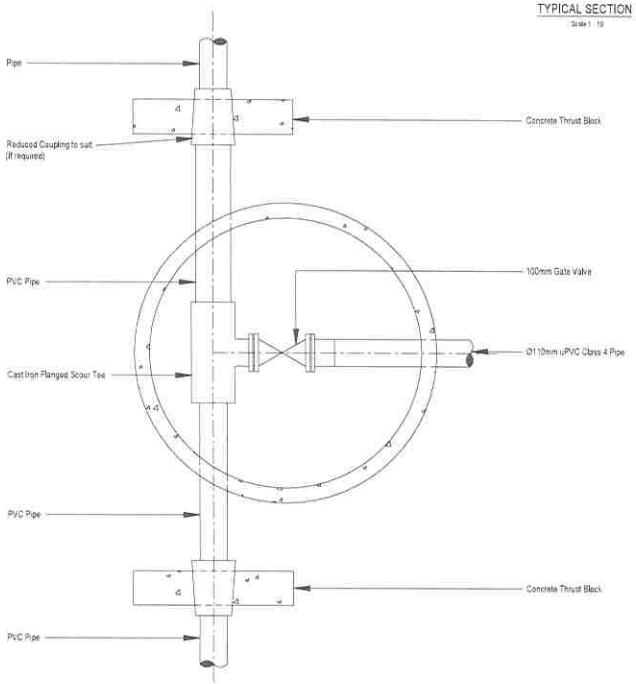
SCOUR VALVE SCHEDULE (mm)						
ITEM	DESCRIPTION	SIZE (mm) ACCORDING TO MAIN PIPE SIZE				
		50	90	160	200	100 STEEL
A	Scour Tee.	110 x 100 Cl Scour Tee	110 x 100 Cl Scour Tee	160 x 100 Cl Scour Tee	200 x 100 Cl Scour Tee	100 x 100 Equal Steel Tee
B	AVK RSV Gate Valve, both ends flanged, complete with handwheel. DN100mm; PN16.	100	100	100	100	100
C	Viking Johnson Flange Adaptor to suit OD of 110mm uPVC pipe, flanged to SABS 1123, Table 1600.	100	100	100	100	100
D	uPVC Pipe Class 12.	110	110	110	110	110
E	45° uPVC Bend.	110	110	110	110	110
Note: Refer to Typical Sections						

NOTES

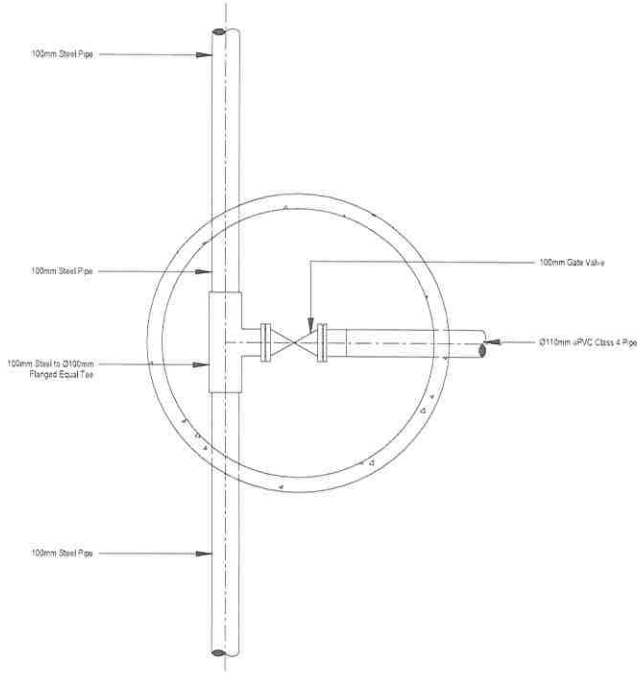
1. Refer to all relevant drawings and specifications, do not scale any dimensions.
2. Where discrepancies occur between the project drawings and specifications, these should be reported immediately to the Principal Agent.
3. All dimensions and levels to be checked on site, and correlated with the Engineer's drawing before construction commences.
4. All construction materials, construction equipment or construction plant supplied to site, shall be installed, applied, employed, or used strictly according to the Supplier's instructions or the Supplier's Specification, unless otherwise specified or instructed by the Engineer.



TYPICAL SECTION
Scale 1 : 10



PLAN WITH REDUCER
Scale 1 : 10



PLAN
Scale 1 : 10

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Revision Schedule

Rev	Date	By	Description
	0	2022.06.28	TL ISSUED FOR TENDER
	01	2022.08.02	TL ISSUED FOR TENDER

Discipline: CIVIL ENGINEERING

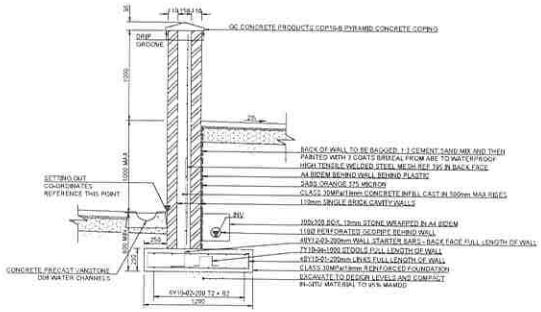
Project: THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA IN POLOKWANE

Description: SCOUR VALVE DETAIL LAYOUT

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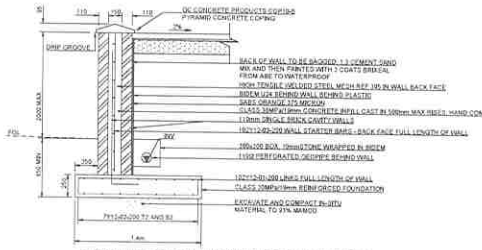
NOTES:

1. ALL BRICKS SHALL BE CLASS NFP 20MPa EXTRA HARD BURNT CLAY BRICKS IN ACCORDANCE WITH SANS 227.
2. UNLESS OTHERWISE SHOWN, BRICK WORK SHALL NOT BE PLASTERED.
3. UNLESS OTHERWISE SHOWN, BRICK MORTAR SHALL BE FINISHED FLUSH WITH WALL FACE.
4. ALL 225mm THICK BRICK WALLS SHALL RECEIVE 1 STRIP BRICKFORCE EVERY FOURTH LAYER.
5. UNLESS OTHERWISE SHOWN ALL CONCRETE SHALL BE 25MPa/19mm
6. UNLESS OTHERWISE SHOWN OR SPECIFIED ALL EXPOSED CONCRETE SURFACE SHALL HAVE A WOOD FLOAT SURFACE FINISH AND SHALL BE COVER WITH APPROVED CURING COMPOUND WITHIN 24 HOURS OF CASTING.
7. ALL CONCRETE EDGES SHALL BE CHAMFERED 20mm



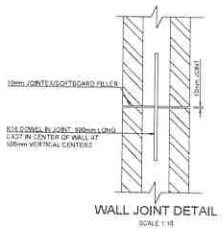
TYPICAL SECTION THROUGH
RETAINING WALL 1m MAX HEIGHT

SCALE 1:20



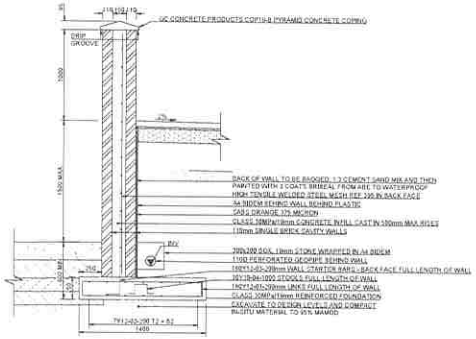
TYPICAL SECTION THROUGH RETAINING WALL
2m MAX HEIGHT WITHOUT EXTENDED WALL

SCALE 1:20



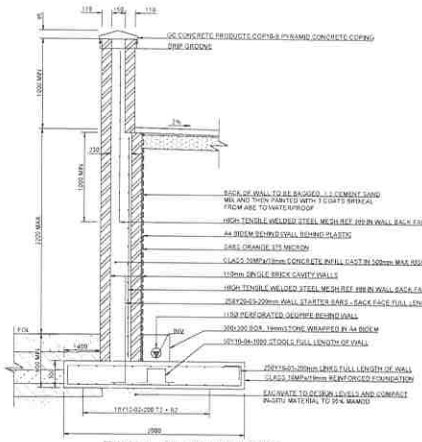
WALL JOINT DETAIL

SCALE 1:10



TYPICAL SECTION THROUGH
RETAINING WALL 1.5m MAX HEIGHT

SCALE 1:20



TYPICAL SECTION THROUGH
RETAINING WALL 3.2m MAX HEIGHT

SCALE 1:25

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Revision Schedule

Rev	Date	By	Description
V1	2023.06.26	TL	ISSUED FOR TENDER

CIVIL ENGINEERING — Discipline

THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE — Project

RETAINING WALL DETAILS — Description

DESIGNED BY	DRAWN BY	APPROVED BY	LOSA NUMBER
DATE	SCALE	SHEET SIZE	SIGNATURE
	AS SHOWN	A1	

DRAWING NUMBER

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55

ELECTRIC FENCE SPECIFICATIONS:

ENERGIZER

- JVA 2ZR 2 ZONE SECURITY ENERGIZER 8 JOULE WITH LCD DISPLAY
- TCP IP CARD FOR WIRELESS COMMUNICATION TO ENERGIZER
- WATERPROOF BOX TO HOUSE ENERGIZER
- ADDITIONAL 10A DOUBLE POLE CIRCUIT BREAKER TO INSTALL IN -VE BUS FOR ELECTRIC FENCE SCHNEIDER

FENCE WIRES

- ALL CONDUCTOR WIRES MUST BE MANUFACTURED FROM ALUMINIUM 1.6mm AS IT HAS A VERY GOOD CORROSION RESISTANCE BY BUILDING UP ITS OWN PROTECTION WITH AN OXIDE LAYER, AND IN ADDITION HAS A VERY LOW ELECTRICAL RESISTANCE (33OHM). RESULTING IN OPTIMUM ENERGY AVAILABILITY WITH A MAXIMUM DETERRENCE EFFECT. ALONG THE ENERGIZED PERIMETER FENCE, TOGETHER WITH THE HIGHEST DEGREE OF RESISTANCE TO ALL INCLEMENT WEATHER/ATMOSPHERIC CONDITIONS.
- EACH FENCE CONDUCTOR WIRE MUST BE PULLED IN POSITION WITH A FORCE OF ABOUT 20Kg BUT NOT EXCEEDING 25Kg

HIGH TENSION (HT) INSULATED CABLES:

- DOUBLE INSULATED HT CABLES MUST BE USED TO CONNECT THE ENERGIZER OUTPUT CONNECTORS TO THE FENCE CONDUCTOR WIRE OF THE ENERGIZED PERIMETER FENCE
- INSULATION OF HT CABLES SHOULD BE UV STABILIZED FOR OUTDOOR INSTALLATION
- THE HT CABLES MUST BE RUN THROUGH A 32mm CONDUIT FOR ADDED PROTECTION AND FACILITATE FUTURE REPAIRS
- CABLE TRENCHES SHALL BE 1m DEEP x 0.450m WIDE.

CRIMP FERRULES / SPLIT BOLTS:

- THE FENCE WIRE AND THE HIGH VOLTAGE CABLE SHOULD BE CONNECTED WITH SUITABLE ALUMINIUM CRIMP FERRULES OR STAINLESS STEEL SPLIT BOLTS. THESE COMPONENTS SHALL HAVE THE SAME MATERIAL COMPOSITION AS THE FENCE WIRE AND THE HIGH VOLTAGE CABLE

INSULATORS

- 9No JVA JUMBO FLAT BAR ROBBIN ON SQUARE TUBE ANGLED BRACKET.
- GATE STRAIN AND COMBI BOBBIN TO HOOK THE SPRING HOOK OF TENSIONER2.

TENSIONING DEVICES

- SECURITY STAINLESS STEEL HEAVY DUTY SPRING AND SPRING HOOK SHOULD BE USED TO TENSION THE ELECTRIC FENCE WIRE.

WALLTOP BRACKET

- SQUARE TUBE ANGLED BRACKET WITH JVA 6 WIRE JUMBO INSULATORS – INTERNAL AN EXTERNAL HOT-DIP GALVANISED ≥875 g/m² AND BLACK PVD COATED (min. 40 MICRON THICK) WITH STAYS FOR SLIDING GATES
- 20mm x 500mm STAYS ARE USED TO STABILIZED. STRAIN WALL-TOP BRACKETS.

LIGHTNING PROTECTION SPECIFICATIONS:

- THE ELECTRIC FENCE SHOULD BE FITTED WITH THE APPROPRIATE LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH SANS 62305 PROTECTION AGAINST LIGHTNING
- PROTECTION SHOULD BE PROVIDED ON BOTH THE HIGH VOLTAGE AS WELL AS THE 230VAC INPUT.
- A COMMON EARTH POINT AT THE ENCLOSURE FOR BOTH THE HIGH VOLTAGE AND 230VAC INPUT LIGHTNING PROTECTION SYSTEMS.

EARTHING:

- EARTH RODS MUST BE USED AT THE BEGINNING OR END OF EACH ZONE AT A MAXIMUM DISTANCE OF 10m APART. EARTH PEGS MUST BE CONNECTED TO THE MAIN EARTH ROD. THE FENCE POSTS AND EARTH CONDUCTORS OF THE FENCE.
- THREE (3) EARTH PEGS 1.8m APART IN A TRIANGLE LAYOUT, MUST BE INSTALLED AT BOTH SIDES OF THE ACCESS CONTROL BUILDING (ACB). THE PEGS MUST BE CONNECTED TO THE MAIN EARTH ROD AND THE FIRST POST ON EACH SIDE OF THE FENCE.

FIXINGS:

- 3No. M8 x 70mm BUTTON HEAD SOCKET SCREW, M8 x 16mm KNURLED FLAT RIVET NUT AND M8 FLAT WASHER TO FIX WALL TOP BRACKET TO POSTS

BETAVIEW FENCE SPECIFICATIONS:

POSTS

- BAKAPE SECURE 70 x 44 x 2.0mm x 1200mm LONG (H PROFILE)
- SET POST VERTICALLY INTO GROUND AT 3030mm CENTRES
- LONGER POSTS WILL BE REQUIRED WHERE FENCE STEPS > 200mm

FOUNDATIONS

- CAST 450 x 450 x 900 DEEP (15MPa/19mm CONCRETE AT EACH POST

LATERAL SUPPORT

- PANELS ARE LATERALLY STRENGTHENED WITH VEE SHAPED HORIZONTAL STIFFENER BENDS REF. MESH SPECIFICATION

HEAVY SECURITY MESH PANELS

- MESH PANELS SHALL BE REF. 1510.4V FABRICATED FROM HIGH TENSILE STEEL WITH A WELD STRENGTH OF 60% AND A TENSILE OF 500N/mm 2.
- HORIZONTAL AND VERTICAL WIRE SHALL HAVE A CORE DIAMETER OF 3.00mm WITH A TOLERANCE OF ± 0.30mm
- APERTURE SHALL BE 76.2mm W x 12.7mm ult. OF WIRES.
- PANELS ARE LATERALLY STRENGTHENED BY INCORPORATION OF 4 x 43mm DEEP. U-PROFILED HORIZONTAL STIFFENER BENDS.
- PANEL FINISH SIZE TOLERANCES WIDTH ± 2.0mm AND HEIGHT ± 0.3mm
- MESH PANELS ARE MANUFACTURED WITH ZINCALU WIRE (GALFAN).

VANDAL RESISTANT FIXING

- TO POST: MINI SPIDER BRACKETS BOLTED THROUGH THE POST USING M8 ANTI-VANDAL CUP SQUARE NECK BOLTS, SHEAR-OFF NUTS & FLAT WASHERS.
- TOP SPIKE RAIL: BOLTED USING M8 ANTI-VANDAL CUP SQUARE NECK BOLTS, SHEAR-OFF NUTS & FENDER WASHERS.
- ALL FASTENERS AND FIXING SCREWS SHALL BE GRADE 304 STAINLESS STEEL.

ANTI CLIMB OVER UNIT

- AT THE TOP: A PURPOSE BENT 2-PROFILE COMBO SAWTOOTH SERRATED EDGE SPIKE/RAIL 40 x 20 x 40 x 2.0mm THICK FABRICATED FROM 100mm WIDE SHEET METAL STRIP SHALL CAP OVER THE MESH PANEL AND BE FIXED TO THE MESH TO DETER CLIMBING.

CORROSION PROTECTION
INITIAL COATING

- MESH PANELS: ZINCALU.
- POSTS / STUCTURE / RAILS / SPIKES: HD GALVANISED.

ADDITIONAL COATING

- FENCE MESH PANELS, POSTS, STRUCTURE & SPIKE RAILS SHALL BE UNIFORMLY PVC COATED (WHICH IS FREE OF LEAD, CADMIUM AND O OF, TO A MINIMUM THICKNESS OF 200 MICRONS IN ACCORDANCE TO EN 10245-2 STEEL WIRE AND WIRE PRODUCTS - ORGANIC COATINGS ON STEEL WIRE - PART 2: PVC FINISHED WIRE.
- FINISH COLOURS SHALL EITHER RAL 7021 ANTHRACITE OR RAL 6005 GREEN

PAINT SPECIFICATIONS:

SURFACE PREPARATION

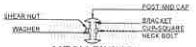
1. WASH WITH MEDIUM DUTY SOLVENT DEGREASER AND RINSE WITH POTABLE WATER.
2. DRY ABRASIVE BLAST TO SA 2.5 ISO 8501-1 2007. SURFACE PROFILE 40 TO 80 MICRONS.

PRIMER (IN SHOP)

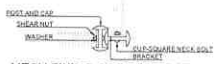
3. EPOXY POLYAMIDE ZINC PHOSPHATE PRIMER
4. WET FILM THICKNESS 130 MICRON
5. DRY FILM THICKNESS 100 MICRON

TOP COAT (x2 COATS)

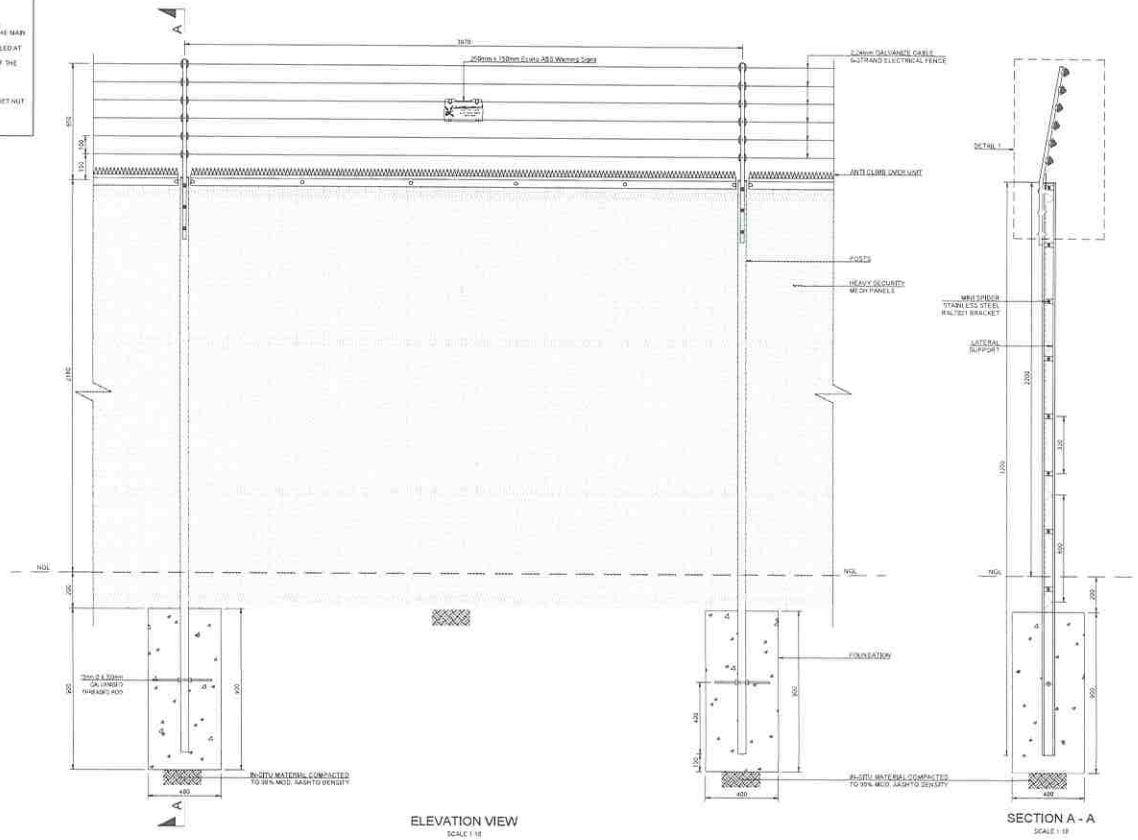
6. ALIPHATIC ACRYLIC POLYURETHANE
7. WET FILM THICKNESS 95 MICRON
8. DRY FILM THICKNESS 65 MICRON
9. FINAL TOP COAT COLOUR TO ARCHITEST SPECIFICATION.



MESH FIXING
INTERMEDIATE POST
SCALE 1:5

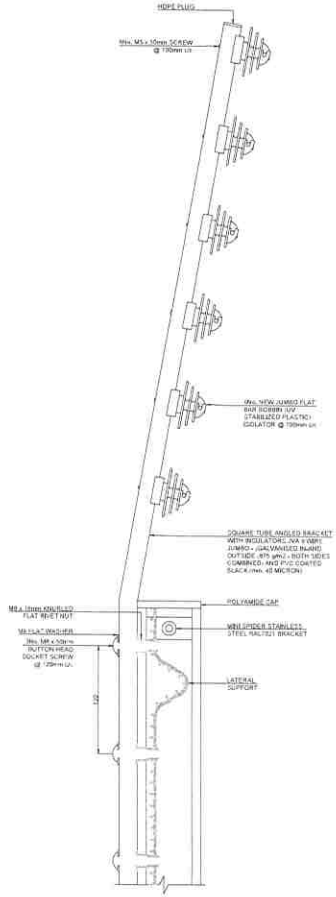


MESH FIXING CORNER POST
SCALE 1:5



ELEVATION VIEW
SCALE 1:10

SECTION A - A
SCALE 1:10



DETAIL 1- ELECTRICAL FENCING POST
SCALE 1:2

DRAWING ISSUED FOR

TENDER

CONSULTANT

MUTEO CONSULTING

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Website www.muteo.co.za

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REPUBLIC OF SOUTH AFRICA

Department of
Public Works, Roads and
Infrastructure

Revision Schedule

Rev.	Date	By	Description
V1	2023.06.28	TL	ISSUED FOR TENDER

CIVIL ENGINEERING — Discipline

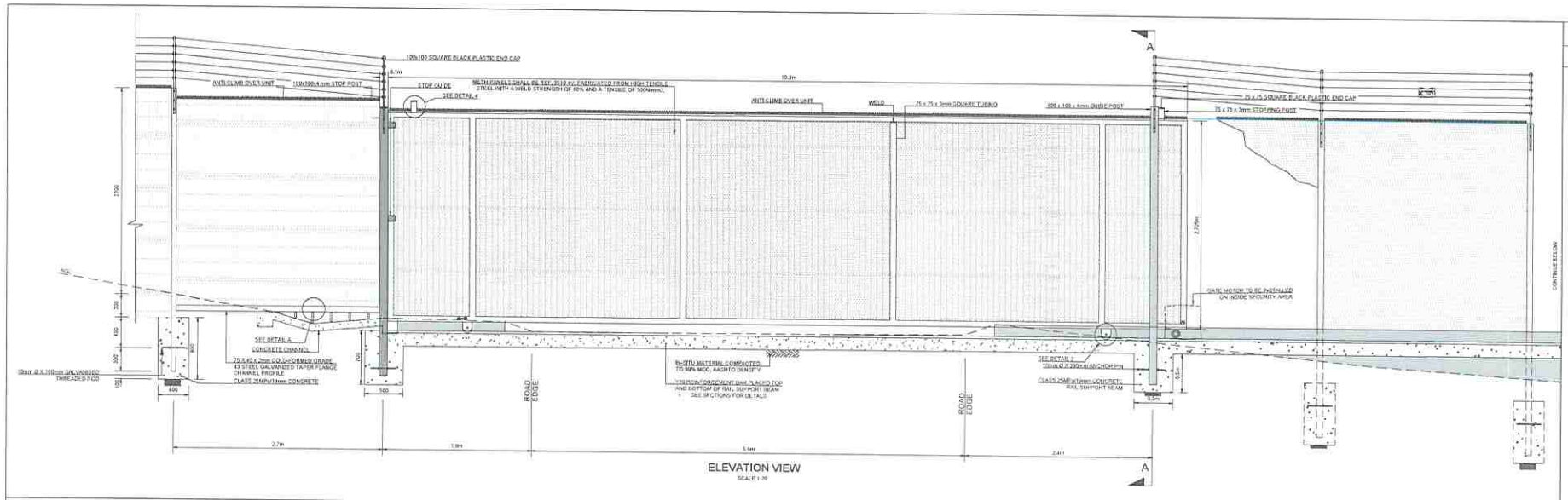
THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE — Project

BETAVIEW FENCE DETAIL — Description

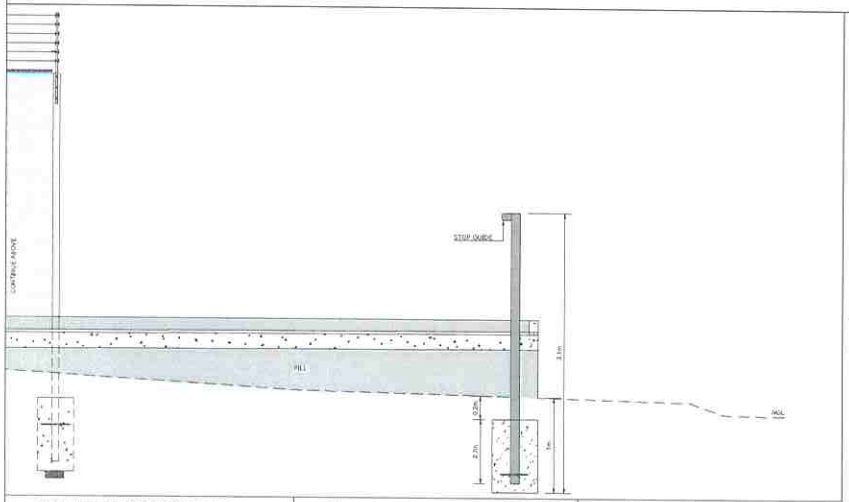
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DATE	SCALE	SHEET SIZE	SIGNATURE

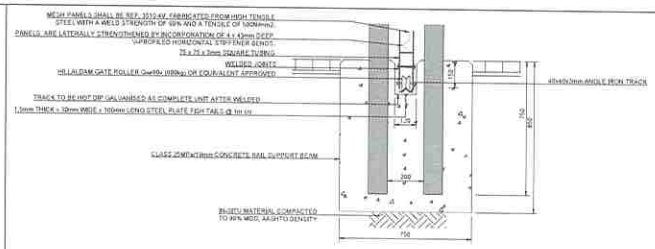
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ELEVATION VIEW
SCALE 1:20

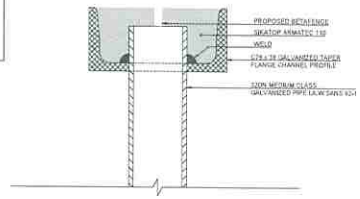




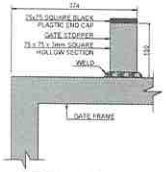
DETAIL 2
SCALE 1:10



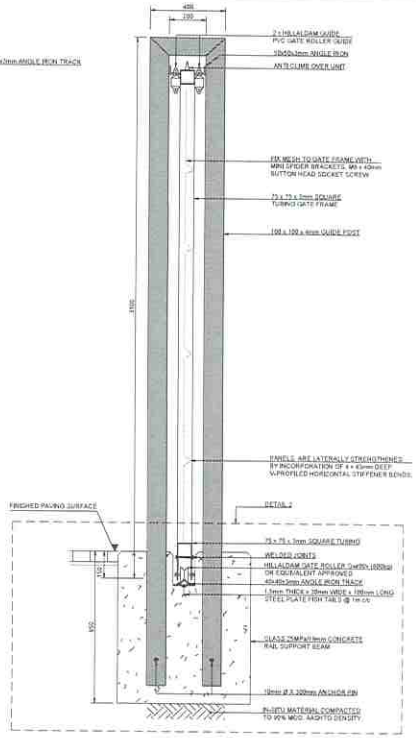
STOP GUIDE DETAIL
SCALE 1:5



DETAIL A
SCALE 1:1



DETAIL 4 - FRONT VIEW
SCALE 1:5



SECTION A-A
SCALE 1:10

SLIDING GATE SPECIFICATIONS:

STEEL WORK

UNLESS OTHERWISE SHOWN, ALL STEEL ELEMENTS SHALL BE HOT-DIP GALVANIZED AFTER CUTTING, DRILLING AND WELDING.

LATERAL SUPPORT:

- PANELS ARE LATERALLY STRENGTHENED WITH VEE SHAPED HORIZONTAL STIFFENER BENDS. SEE MESH SPECIFICATION.

HEAVY SECURITY MESH PANELS:

- MESH PANELS SHALL BE REF. 3510 4V, FABRICATED FROM HIGH TENSILE STEEL WITH A WELD STRENGTH OF 60% AND A TENSILE OF 500N/mm2.
- HORIZONTAL AND VERTICAL WIRE SHALL HAVE A CORE DIAMETER OF 3.00mm WITH A TOLERANCE OF ± 0.04mm
- APERTURE SHALL BE 75.2mm W x 12.7mm H OF WIRES.
- PANELS ARE LATERALLY STRENGTHENED BY INCORPORATION OF 4 x 40mm DEEP, U-PROFILED HORIZONTAL STIFFENER BENDS.
- PANEL FINISH SIZE TOLERANCES WIDTH ± 2.0mm AND HEIGHT ± 5.0mm
- MESH PANELS ARE MANUFACTURED WITH ZINCALU WIRE (GALFAN).

ANGAL RESISTANT FIXING:

- FIX MESH TO GATE FRAME USING MINI SPIDER BRACKETS, M8 x 40mm, BUTTON HEAD SOCKET SCREW, M8 x 1mm KNURLED FLAT RIVET NUT AND M8 FLAT WASHER.
- ALL FASTENERS AND FIXING SCREWS SHALL BE GRADE 304 STAINLESS STEEL

CORROSION PROTECTION
INITIAL COATING

- MESH PANELS: ZINCALU.

ADDITIONAL COATING:

- FENCE MESH PANELS SHALL BE UNIFORMLY PVC COATED, WHICH IS FREE OF LEAD, CADMIUM AND SI OP, TO A MINIMUM THICKNESS OF 200 MICRONS IN ACCORDANCE TO EN 10245-2 STEEL WIRE AND WIRE PRODUCTS - ORGANIC COATINGS ON STEEL WIRE - PART 2: PVC FINISHED WIRE.
- FINISH COLOURS SHALL EITHER RAL 7021 ANTHRACITE GR RAL #005 GREEN.
- THE GATE FRAME, CENTRAL HOUSING POSTS AND STOPPING POST SHALL BE PAINTED WITH 1 x COAT PRIMER ZINC PHOSPHATE AND 2 x COATS TOP COATS ACRYLIC POLYURETHANE.

PAINT SPECIFICATIONS:

SURFACE PREPARATION

1. WASH WITH MEDIUM DUTY SOLVENT DEGREASER AND RINSE WITH POTABLE WATER.
2. DRY ABRASIVE BLAST TO SA 2.5 ISO 8501-1:2007, SURFACE PROFILE 40 TO 80 MICRONS.

PRIMER (IN SHOP)

3. EPOXY POLYAMIDE ZINC PHOSPHATE PRIMER
4. WET FILM THICKNESS 128 MICRON
5. DRY FILM THICKNESS 100 MICRON

TOP COAT (X2 COATS)

6. ALIPHATIC ACRYLIC POLYURETHANE.
7. WET FILM THICKNESS 85 MICRON
8. DRY FILM THICKNESS 40 MICRON.
9. FINAL TOP COAT COLOUR TO ARCHITECT SPECIFICATION.

DRAWING ISSUED FOR

TENDER

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LIMPOPO
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REPUBLIC OF SOUTH AFRICA

Department of
Public Works, Roads and Infrastructure

Revision Schedule

Rev	Date	by	Description
V1	2023.06.28	TL	ISSUED FOR TENDER

Discipline: CIVIL ENGINEERING

Project: THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE

Description: SLIDING GATE DETAIL

DESIGNED BY	DRAWN BY	APPROVED BY	COSA NUMBER
[illegible]	[illegible]	[illegible]	
DATE	SCALE	SHEET SIZE	SIGNATURE
[illegible]	[illegible]	[illegible]	

DRAWING NUMBER

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NOTES:

1. UNLESS OTHERWISE SHOWN, ALL STEEL ELEMENTS SHALL BE PAINTED IN ACCORDANCE WITH THE PAINT SPECIFICATION.
2. COMPLETE FENCE POST WALL MOUNT UNITS SHALL BE HOT DIPPED GALVANIZED AFTER CUTTING,DRILLING AND WELDING
3. A FENCE POST WALL MOUNT/UNIT SHALL BE INSTALLED FOR EACH FENCE POST INSTALLED ON THE CAVITY RETAINING WALL.

PAINT SPECIFICATIONS:

SURFACE PREPARATION

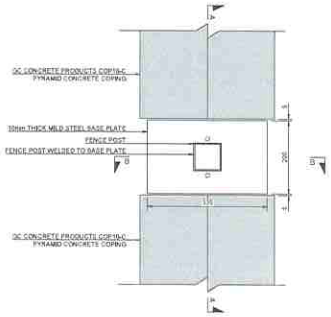
1. WASH WITH MEDIUM DUTY SOLVENT SEGREASER AND RINSE WITH POTABLE WATER
2. DRY ABRASIVE BLAST TO SA 2.5 ISO 8501-1:2007. SURFACE PROFILE 40 TO 80 MICRONS

PRIMER (IN SHOP)

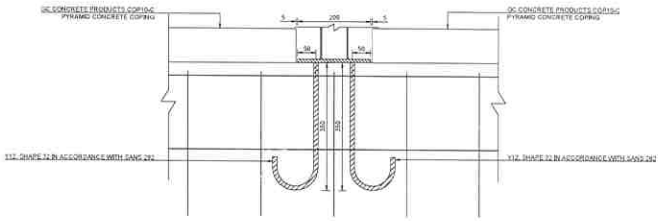
3. EPOXY POLYAMIDE ZINC PHOSPHATE PRIMER
4. WET FILM THICKNESS: 138 MICRON
5. DRY FILM THICKNESS: 100 MICRON

TOP COAT (x2 COATS)

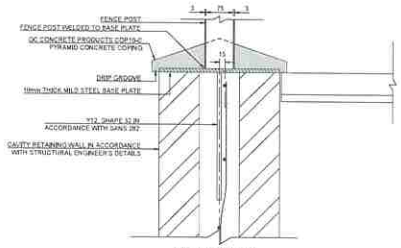
6. ALIPHATIC ACRYLIC POLYURETHANE
7. WET FILM THICKNESS: 85 MICRON
8. DRY FILM THICKNESS: 40 MICRON
9. FINAL TOP COAT COLOUR TO ARCHITECT SPECIFICATION.



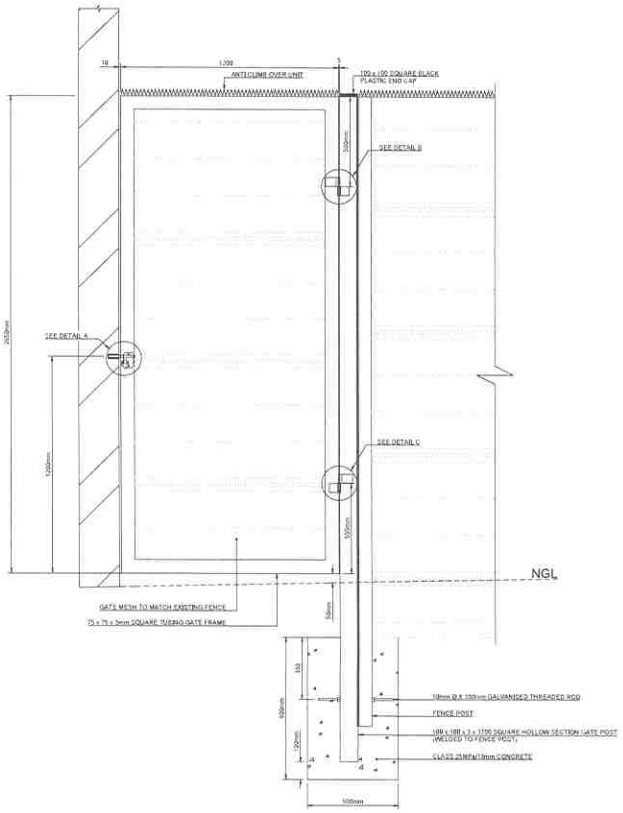
TOP VIEW
SCALE 1:5



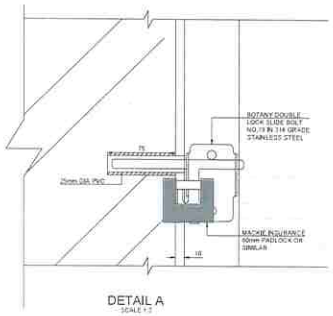
SECTION A-A
SCALE 1:5



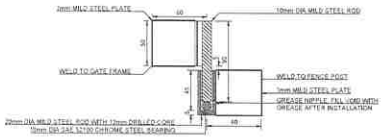
SECTION B-B
SCALE 1:5



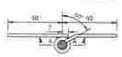
ELEVATION VIEW
SCALE 1:10



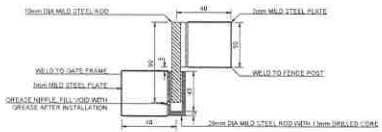
DETAIL A
SCALE 1:2



SECTION A-A
DETAIL B - TOP HINGE
SCALE 1:2



TOP VIEW



SECTION A-A
DETAIL C - BOTTOM HINGE
SCALE 1:2

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REPUBLIC OF SOUTH AFRICA
Department of Public Works, Roads and Infrastructure

Revision Schedule

Rev.	Date	by	Description
V1	2023.08.28	TL	ISSUED FOR TENDER

Discipline: CIVIL ENGINEERING

Project: THE DEVELOPMENT AND CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE MALAPA, IN POLOKWANE

Description: PEDESTRIAN GATE DETAIL

DESIGNED BY	DRAWN BY	APPROVED BY	ECSA NUMBER
DATE	SCALE	SHEET SIZE	SIGNATURE

DRAWING NUMBER

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86

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

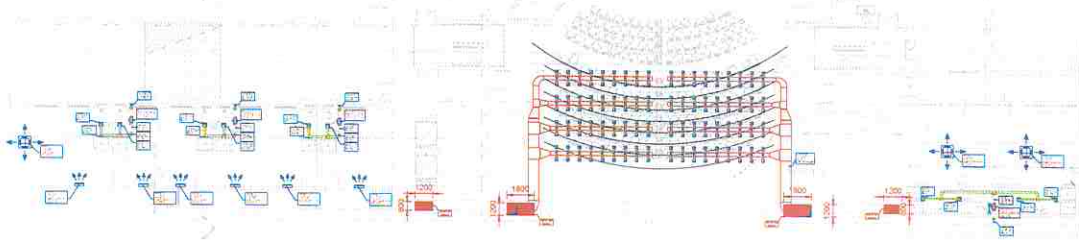
DEPARTMENT OF
PUBLIC WORKS, ROADS
AND INFRASTRUCTURE

C4.2.4:

MECHANICAL ENGINEER

DRAWINGS & SPECIFICATIONS

NORTH



NOTES:
1. DETAILED DESIGN

REVISION
Revision 2: New Architectural Layout
Revision 1: New HVAC Layout

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

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PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
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0700
TEL : 015 - 284 7000
FAX :

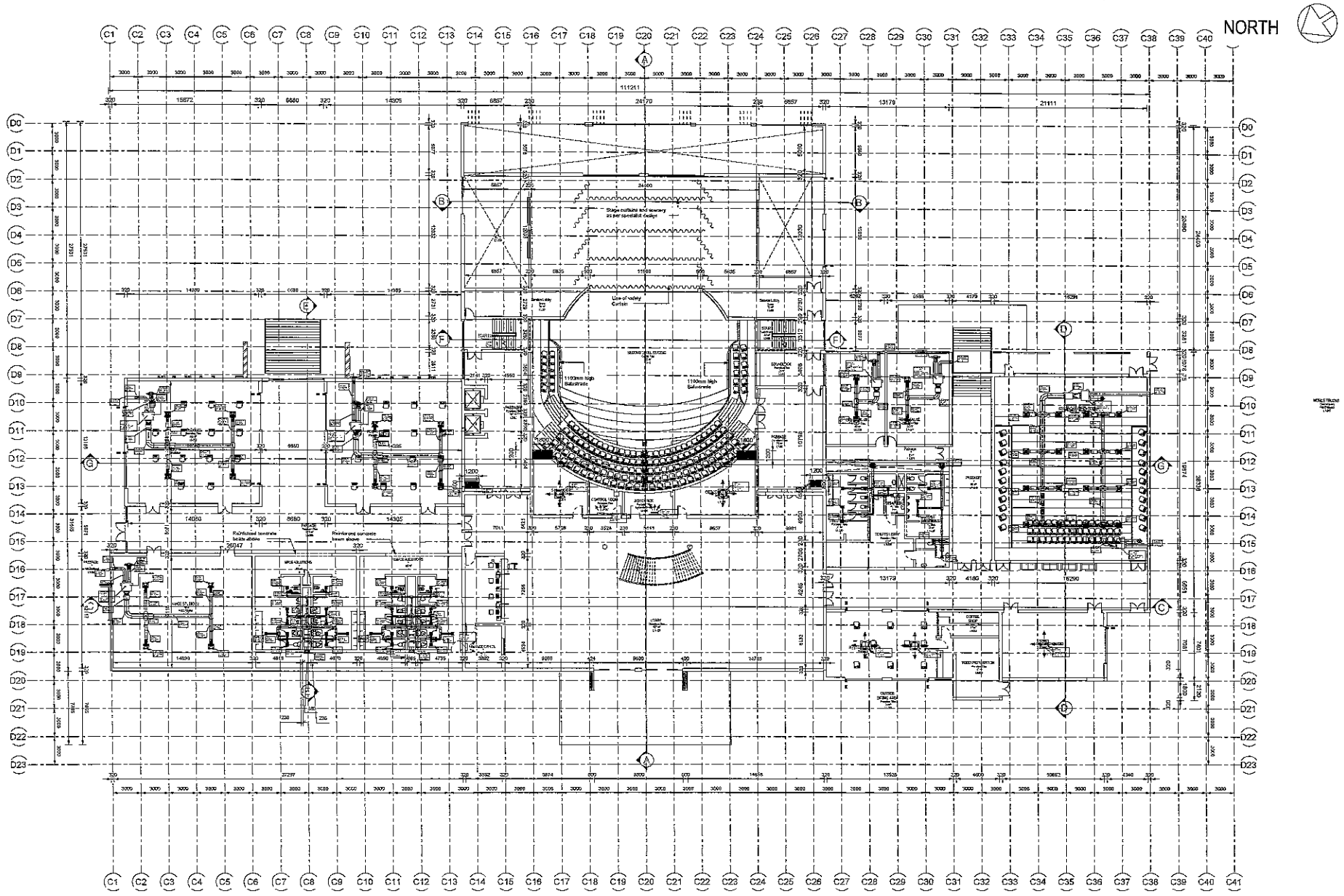
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TEL : 015 - 295 5750
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DRAWING TITLE:
HEATING VENTILATION AND AIR-CONDITIONING
FIRST LEVEL

PROJECT TITLE:
THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPW001/MEC/001
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT No:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 200



NOTES:

1. DETAILED DESIGN

Revision 2: New Architectural Layout

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM

CLIENT:

LIMPOPO: DPWI
45 CHURCH STREET
POLOKWANE

LIMPOPO: DSAC
43 BICCARD STREET

CONSULTANT:

SUPERIOR QUALITY ENGINEERING
80 MAGAZYN STREET

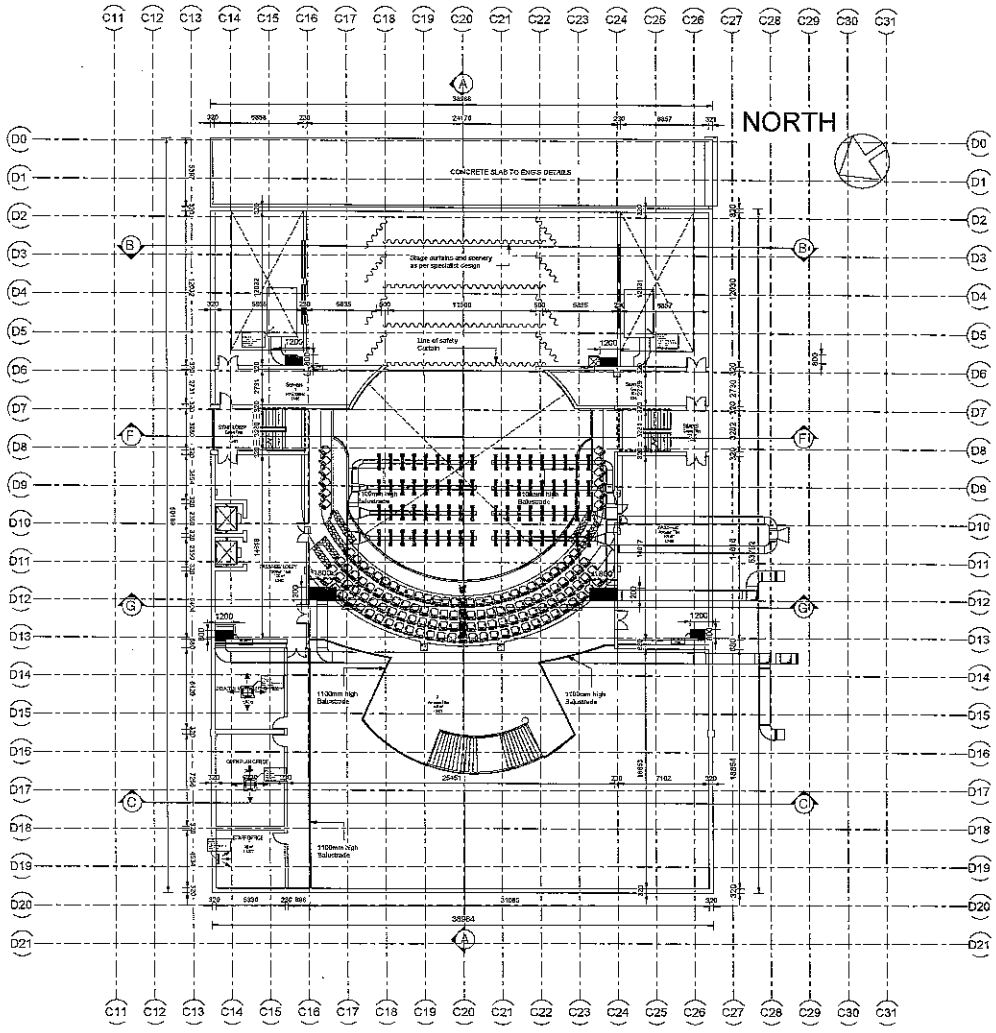
DRAWING TITLE:

HEATING VENTILATION AND AIR-CONDITIONING
SECOND LEVEL

PROJECT TITLE:

THE LIMPOPO DEPARTMENT

DRAWING NUMBER	LDPWI01/MEC/001
PROJECT NUMBER	LDPWI / 21-02
PAPER SIZE	A1
SCALE:	



NOTES:

1. DETAILED DESIGN

LEGEND:

Revision 2: New Architectural Layout	
Revision 1: New HVAC Layout	
REVISION	

DESIGNED BY:	TCM
CHECKED BY:	BN
DRAWN BY:	TCM
APPROVED BY:	BN

CLIENT:

LIMPOPO: DPWI
43 GROSS STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

LIMPOPO: DSAC
43 BIGARD STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:

SUPERIOR QUALITY ENGINEERING
69 MAGAZIM STREET
POLOKWANE
TEL : 015 – 295 5759
FAX : 086 514 2513
e-MAIL : admin@superiorengineers.com

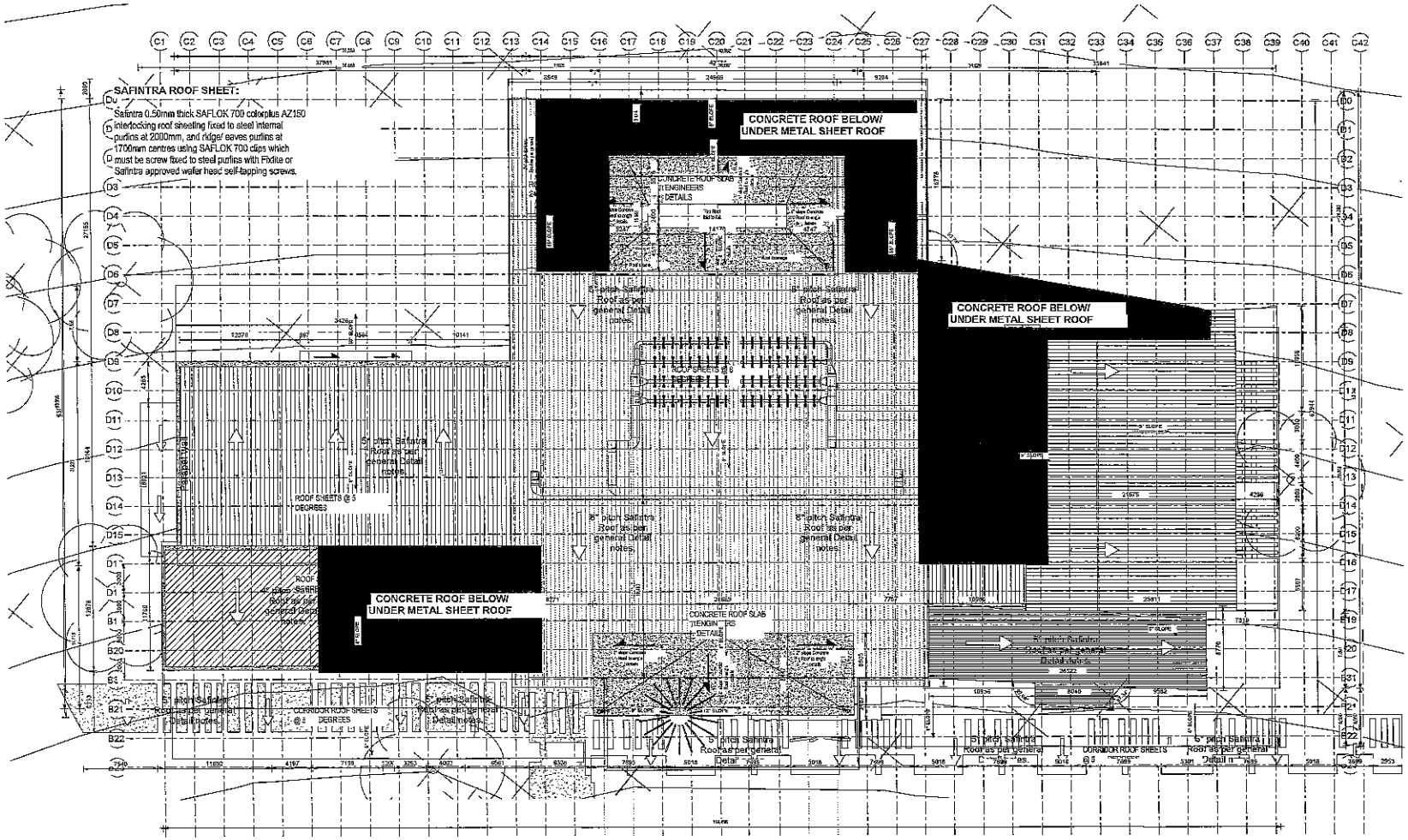
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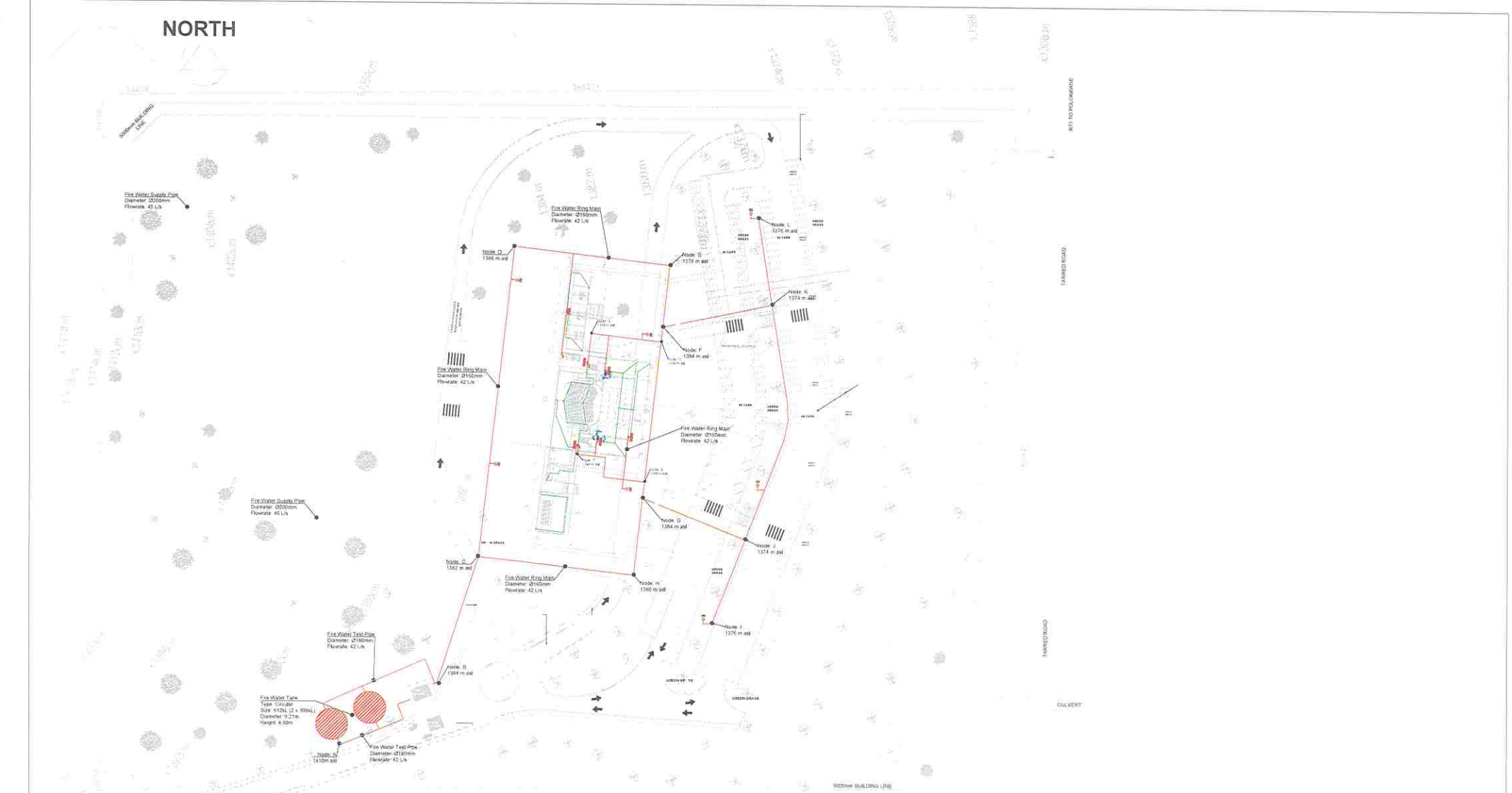
HEATING VENTILATION AND AIR-CONDITIONING
SECOND LEVEL

PROJECT TITLE:

THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER	LDPWI/DSAC/01
PROJECT NUMBER	LDPWI / 21-02
CONTRACT No.	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A0
SCALE:	1: 200


SAFINTRA ROOF SHEET:
Safintra 0.50mm thick SAFLOK 700 colorplus AZ150 interlocking roof sheeting fixed to steel internal purlins at 2000mm, and ridge/ eaves purlins at 1700mm centres using SAFLOK 700 clips which must be screw fixed to steel purlins with Fixlite or Safintra approved wafer head self-tapping screws.
CONCRETE ROOF BELOW/ UNDER METAL SHEET ROOF
CONCRETE ROOF BELOW/ UNDER METAL SHEET ROOF
CONCRETE ROOF BELOW/ UNDER METAL SHEET ROOF
CONCRETE ROOF SLAB TO ENGINEERS DETAILS
6° pitch Safintra Roof as per general Detail notes
ROOF SHEETS @ 5 DEGREES
CORRIDOR ROOF SHEETS @ 5 DEGREES
Parapet wall



AREA	
SITE	103588.32 m²
PROPOSED THEATER	4605.0 m²
PROPOSED GUARD HOUSE	30.0 m²
PROPOSED FIRE PUMP ROOM	37.0 m²
PARKINGS	UNCOVERED PARKINGS = 228 BAYS COVERED PARKINGS= 70 BAYS MOBILE THEATRE TRUCK PARKING = 5 BAYS **TOTAL: 298 PARKING BAYS**

SCHEDULE OF FIRE PROTECTION WATER RETICULATION

Node	Volume Flowrate	Velocity	Pipe Diameter (PRESS HDPE)		Pipe Length	Friction Losses		Head Loss		
	L/s	m/s	ODID mm	ODS ID mm	m	mmH2O	kPa/100m	mm H2O	kPa	Bar
AB	45	2.89	200.00	164.5	250	3652.24	35.82	66.90.63	40.05	0.04
BC	42	3.21	160.00	129.1	56	6958.62	68.07	3885.63	38.12	0.38
CD	42	3.21	160.00	129.1	145	6958.62	68.07	10061.01	98.70	0.99
CH	42	3.21	160.00	129.1	63	6958.62	68.07	4371.33	42.88	0.43
DF	42	3.21	160.00	129.1	63	6958.62	68.07	4371.33	42.88	0.43
EF	42	3.21	160.00	129.1	25	6958.62	68.07	1734.66	17.02	0.17
FG	42	3.21	160.00	129.1	70	6958.62	68.07	4857.04	47.65	0.48
GH	42	3.21	160.00	129.1	32	6958.62	68.07	2220.36	21.78	0.22
FK	42	3.21	160.00	129.1	44	6958.62	68.07	3052.08	29.95	0.30
FM	**42**	**3.21**	**160.00**	**129.1**	**6**	**6958.62**	**68.07**	**416.32**	**4.08**	**0.04**
LM	42	3.21	160.00	129.1	45	6958.62	68.07	3122.38	30.63	0.31
GO	42	3.21	160.00	129.1	7	6958.62	68.07	485.70	4.76	0.05
LK	42	3.21	160.00	129.1	96	6958.62	68.07	6661.92	65.35	0.65
KJ	42	3.21	160.00	129.1	99	6958.62	68.07	6869.24	67.39	0.67
JI	42	3.21	160.00	129.1	37	6958.62	68.07	2567.29	25.19	0.25
MN	**42**	**3.21**	**160.00**	**129.1**	**28**	**6958.62**	**68.07**	**1943.01**	**19.06**	**0.19**
GP	42	3.21	160.00	129.1	96	6958.62	68.07	2457.90	24.10	0.25
								Static Pressure (Building Height)		2.65
								10% Safety Factor		0.25
								Total Losses:		0.90

C = Hazen-Williams roughness constant. SAI

NOTES:
1. DETAILED DESIGN

REVISION
Revision 2: Change of Layout
Revision 1: Additional Basement Layout

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

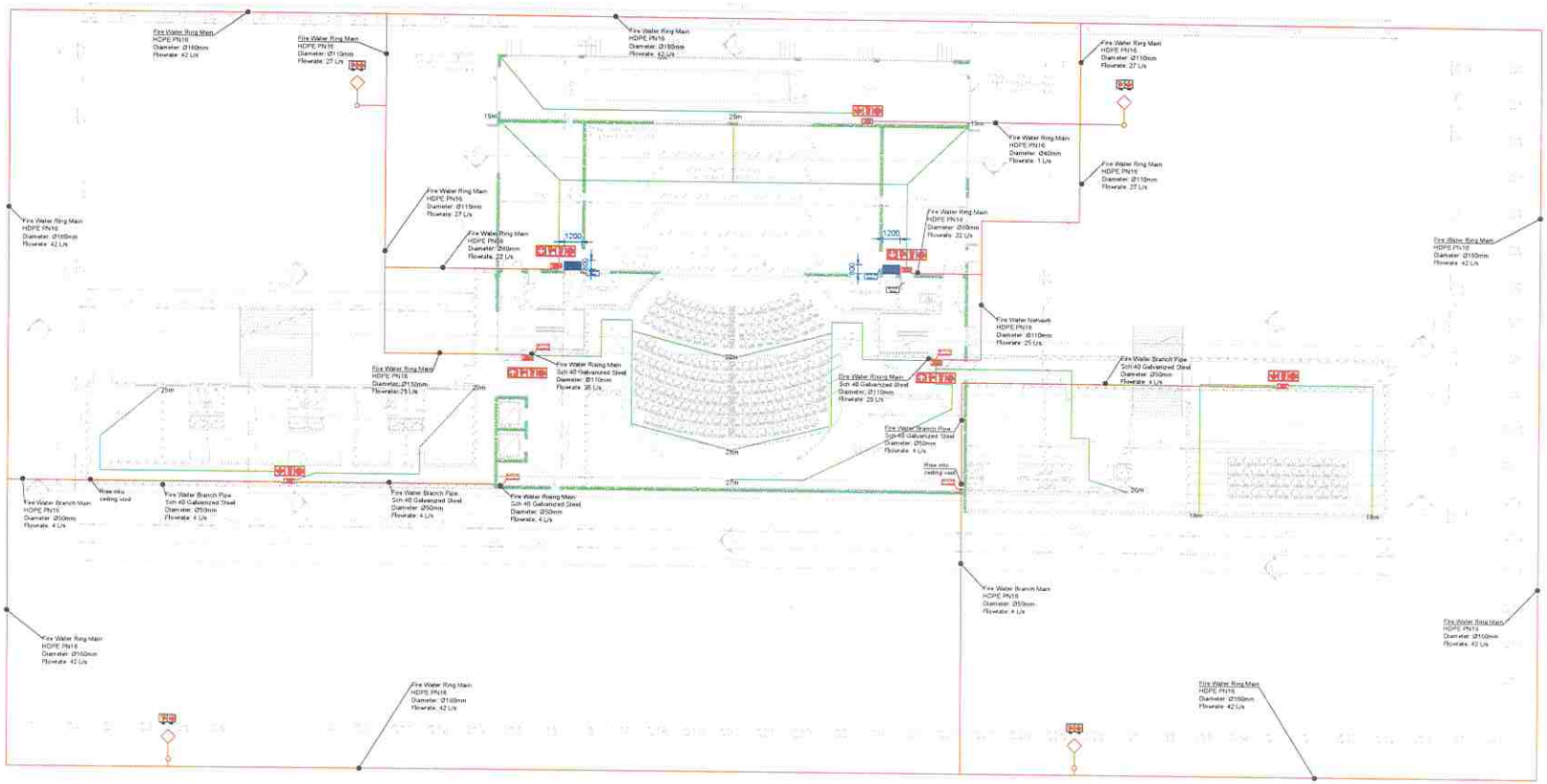
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 BICCARD STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:
SUPERIOR
SUPERIOR QUALITY ENGINEERING
50 MAGATH STREET
POLOKWANE
TEL : 015 – 295 5750
FAX : 086 514 8513
e-MAIL : admin@superiorengineers.com

DRAWING TITLE: FIRE PROTECTION - SITE LAYOUT

PROJECT TITLE: THE LIMPOPO DEPARTMENT OF SPORTS, ART AND CULTURE (DSAC) BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI02/MEC.091
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT No:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A0
SCALE:	1 : 500



NOTES:

1. DETAILED DESIGN

Revision 2: Change of Layout
Revision 1: New HVAC Layout
REVISION

LEGEND:

DESIGNED BY:	TCM
CHECKED BY:	BN
DRAWN BY:	TCM
APPROVED BY:	BN

CLIENT:

LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE

LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE

LIMPOPO: DSAC
43 BICCARD STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:

SUPERIOR

SUPERIOR QUALITY ENGINEERING
60 MAGAZYN STREET
POLOKWANE
TEL : 015 – 295 5750
FAX : 086 514 5013
e-MAIL : admin@superioreng.co.za

DRAWING TITLE:

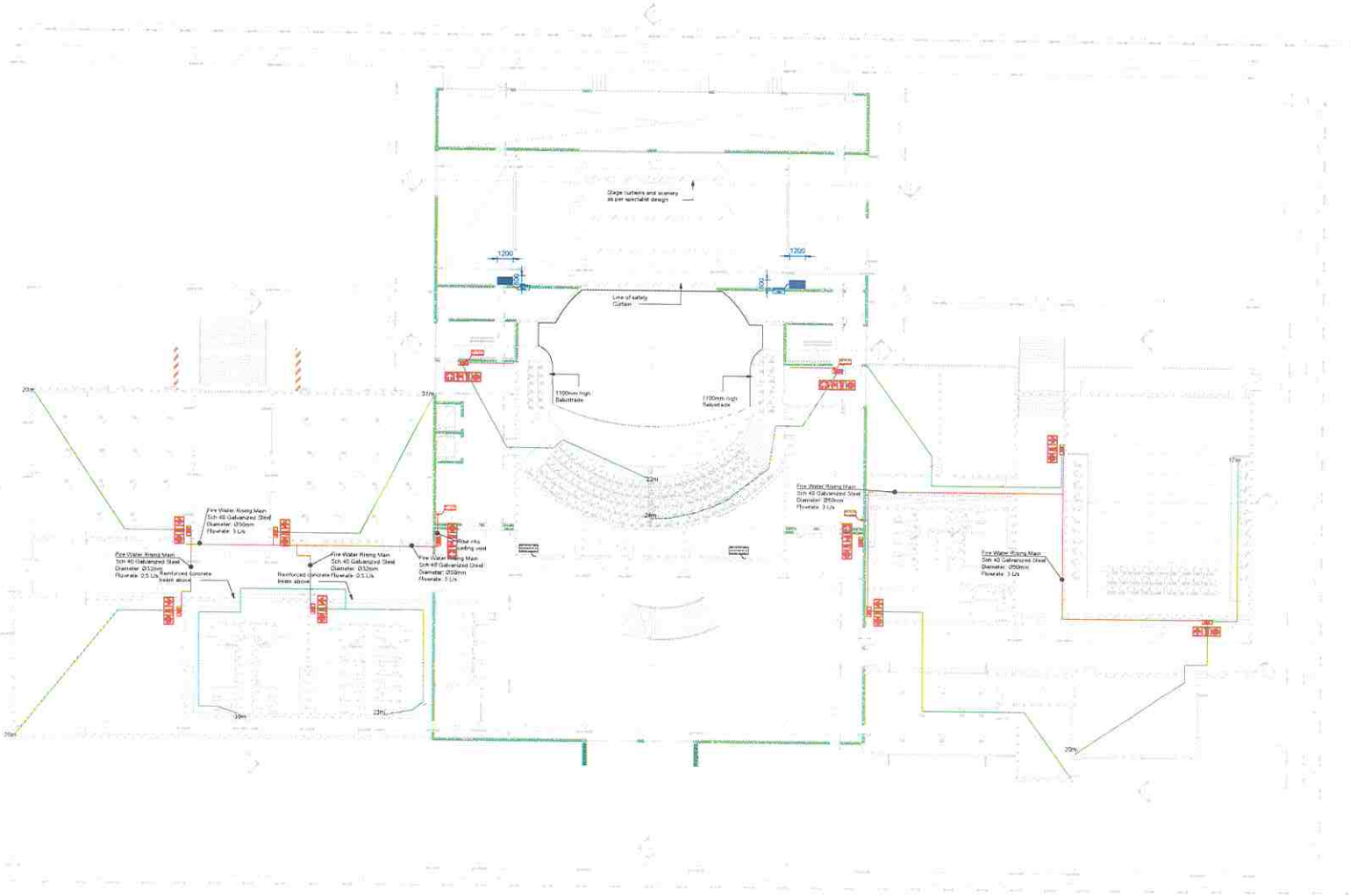
FIRE PROTECTION - FIRST LEVEL

PROJECT TITLE:

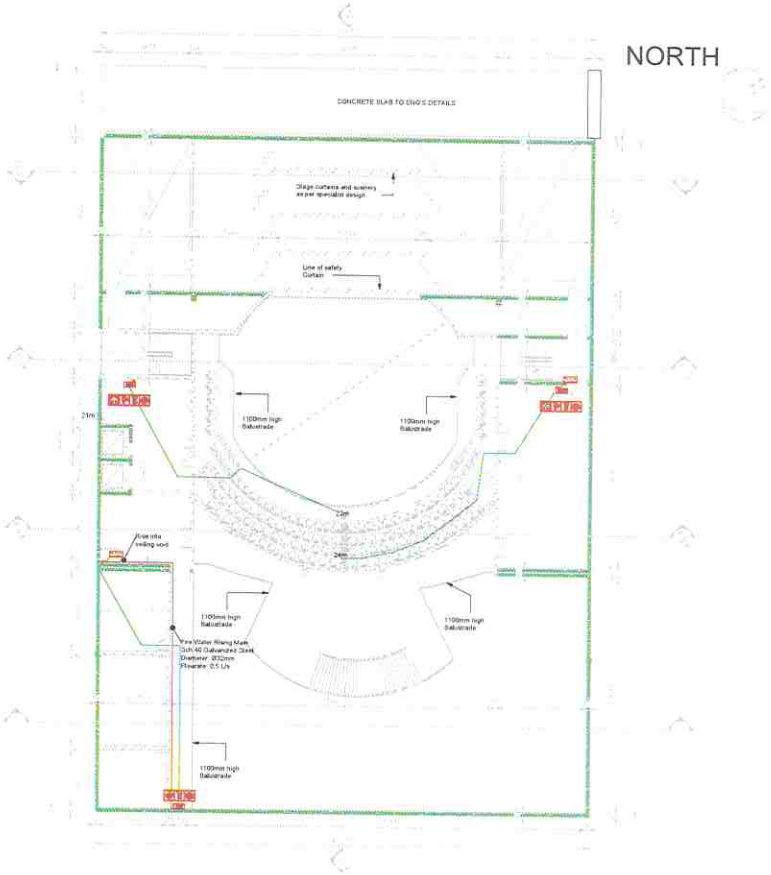
THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI02/MEC.002
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT No:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 200

NORTH



NOTES:	LEGEND:			CLIENT:	CONSULTANT:	DRAWING TITLE:	DRAWING NUMBER:	PAPER SIZE:
1. DETAILED DESIGN		DESIGNED BY	TCM	LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE LIMPOPO: DPWI 43 CHURCH STREET POLOKWANE 0700 TEL : 015 – 284 7000 FAX :	SUPERIOR QUALITY ENGINEERING 50 MAGAZIN STREET POLOKWANE TEL : 015 – 295 3750 FAX : 086 514 4513 e-MAIL : admin@superiorengineers.com	FIRE PROTECTION - SECOND LEVEL	LDPWI03/MEC 003	A1
		CHECKED BY	BN	LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE LIMPOPO: DSAC 43 RICCARD STREET POLOKWANE 0700 TEL : 015 – 284 4000 FAX :		PROJECT TITLE: THE LIMPOPO DEPARTMENT OF SPORTS, ART AND CULTURE (DSAC) BAKONE MALAPA: LIMPOPO THEATRE	PROJECT NUMBER: LDPWI / 21-02	SCALE: 1 : 200
Revision 2: Change of Layout		DRAWN BY	TCM				CONTRACT No.: LDPWRI-PROF/18002/2021/02	
Revision 1: New HVAC Layot		APPROVED BY	BN					
REVISION								



NOTES:

1. DETAILED DESIGN

Revision 2: Change of Layout
Revision 1: New HVAC Layot
REVISION

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:

LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE

LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE

LIMPOPO: DSAC
43 BODARD STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:

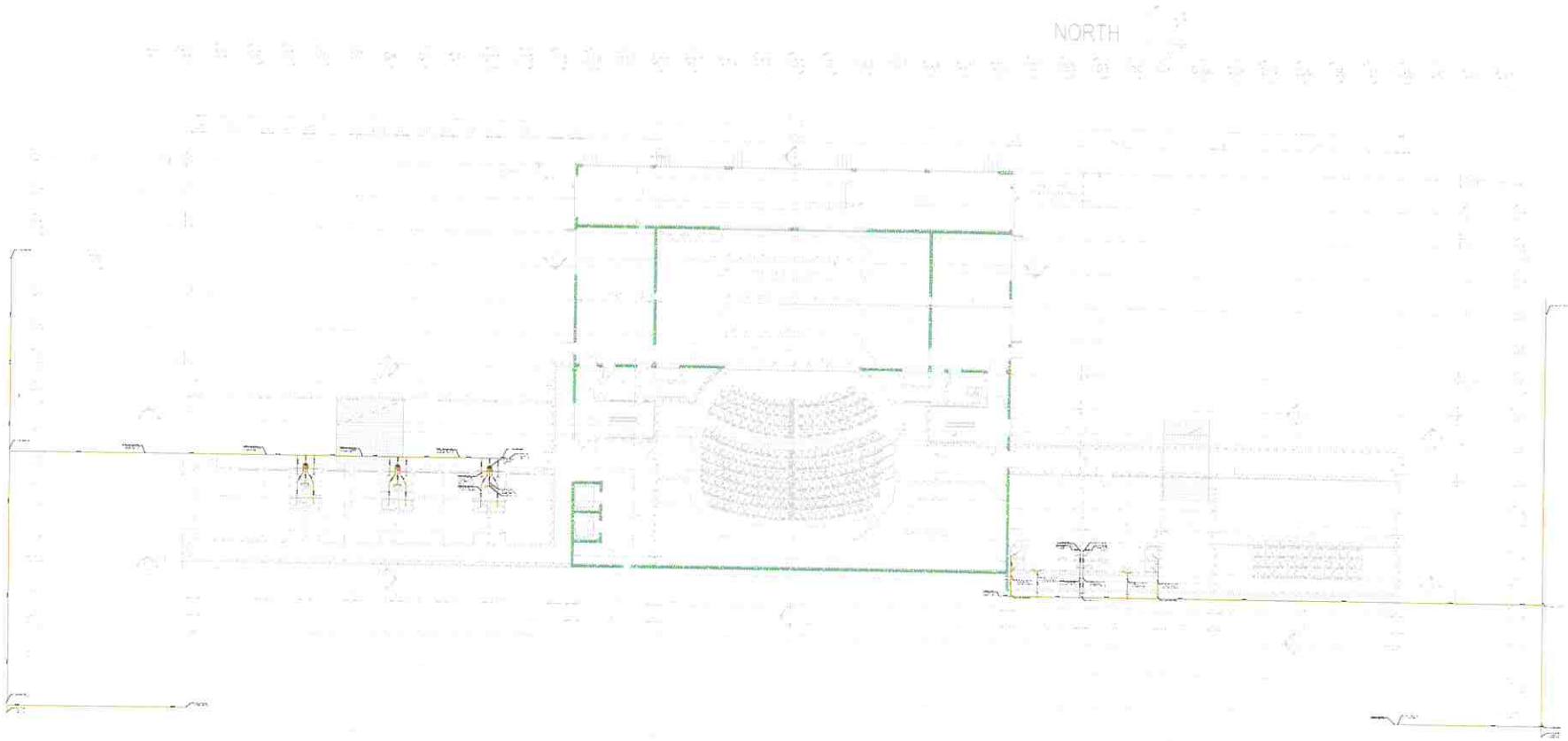
SUPERIOR

SUPERIOR QUALITY ENGINEERING
80 MAGAZYN STREET
POLOKWANE
TEL : 015 – 295 5750
FAX : 086 514 8513
e-MAIL : admin@superiorenq.co.za

DRAWING TITLE: FIRE PROTECTION - THIRD LEVEL

PROJECT TITLE: THE LIMPOPO DEPARTMENT OF SPORTS, ART AND CULTURE (DSAC) BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI/01/MEC.001
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT No:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 200



NOTES:

1. DETAILED DESIGN

Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout

REVISION

LEGEND:

DESIGNED BY:	TCM
CHECKED BY:	BN
DRAWN BY:	TCM
APPROVED BY:	BN

CLIENT:

LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE

LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 - 284 7000
FAX :

LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE

LIMPOPO: DSAC
43 BICCARD STREET
POLOKWANE
0700
TEL : 015 - 284 4000
FAX :

CONSULTANT:

SUPERIOR

SUPERIOR QUALITY ENGINEERING
50 MAGAZIN STREET
POLOKWANE
TEL : 015 - 295 3750
FAX : 086 514 8043
e-MAIL : admin@superioreng.co.za

DRAWING TITLE:

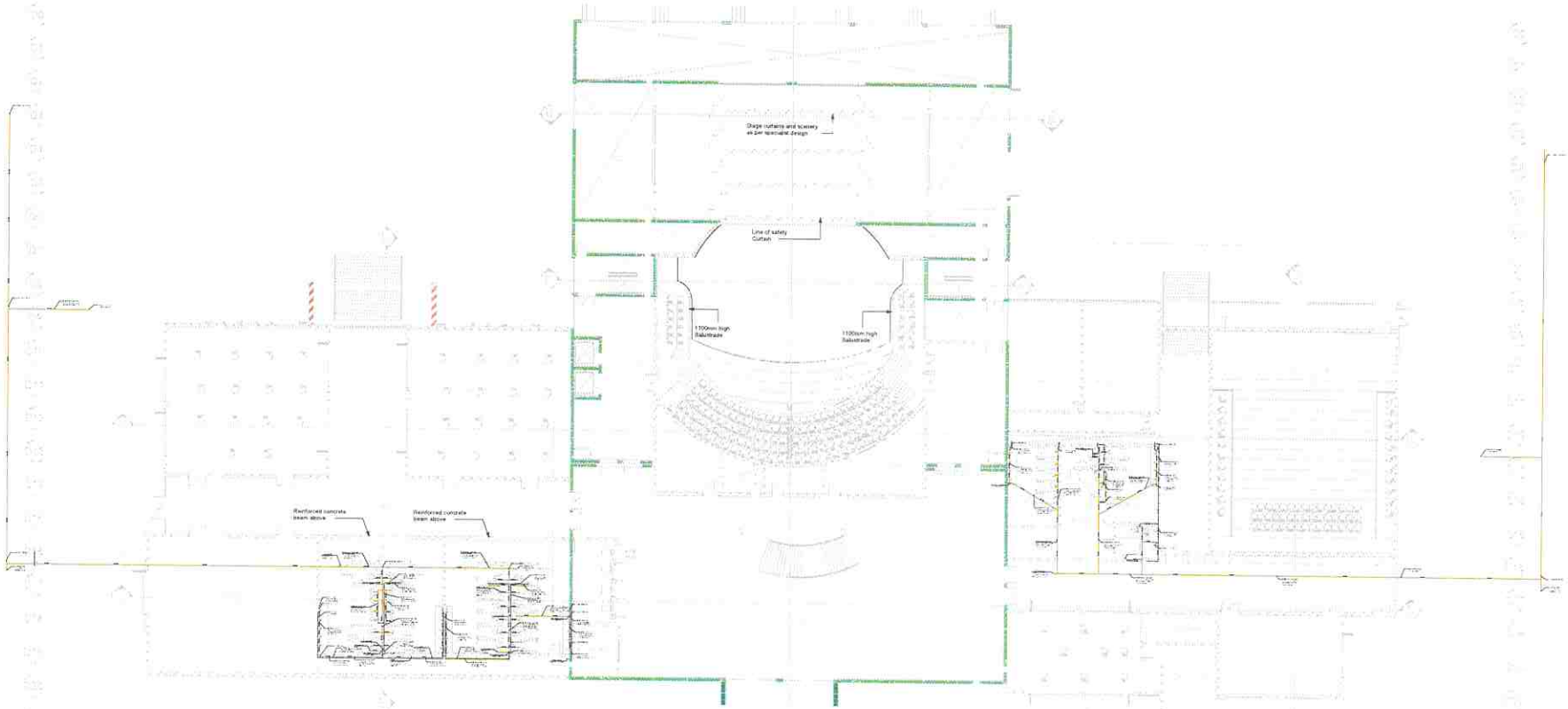
WATER DISCHARGE NETWORK
FIRST LEVEL

PROJECT TITLE:

THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI/04/MEC/001
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT No:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 200

NORTH



603

NOTES:
1. DETAILED DESIGN

Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout
REVISION

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:
LIMPOPO
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

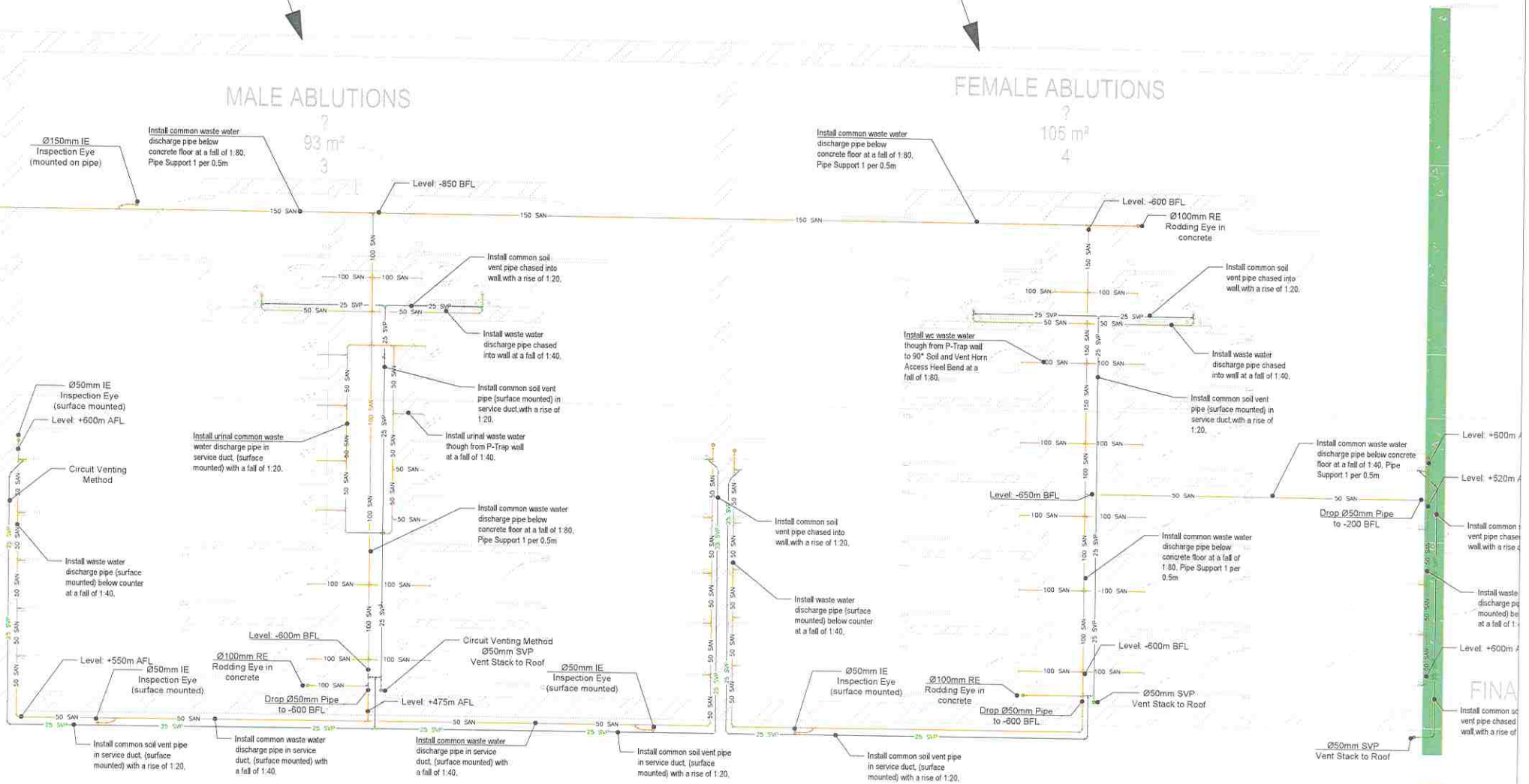
LIMPOPO
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 RICCARD STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:
SUPERIOR
SUPERIOR QUALITY ENGINEERING
60 MAGAZIN STREET
POLOKWANE
TEL : 015 – 295 3750
FAX : 086 574 8513
e-MAIL : admin@superiorengineers.com

DRAWING TITLE:
WATER DISCHARGE NETWORK
SECOND LEVEL

PROJECT TITLE:
THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI/04/MEC/002
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT No:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 200



NOTES:
1. DETAILED DESIGN

LEGEND:

Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout
REVISION

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 - 284 7000
FAX :

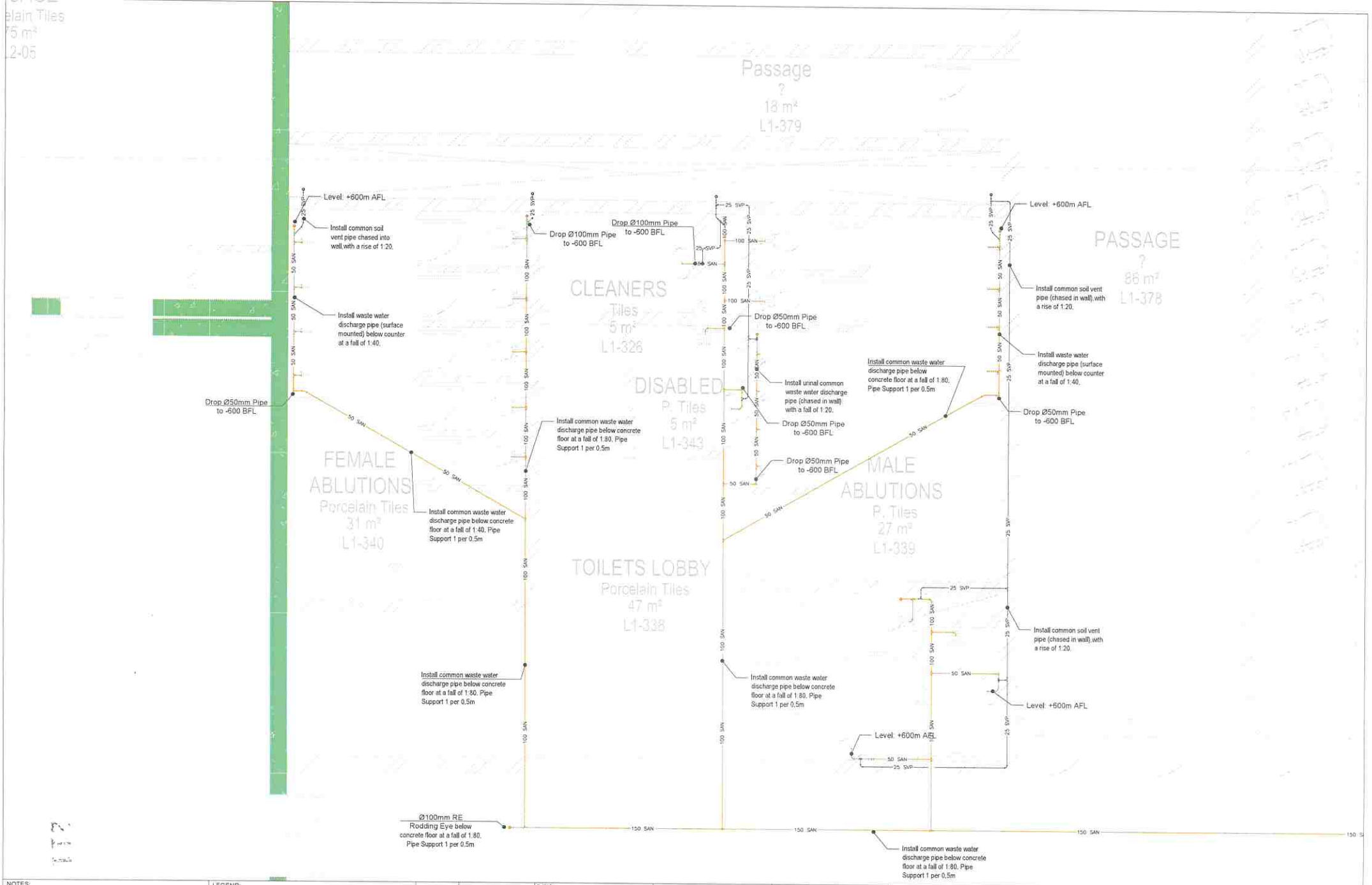
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 BICCARD STREET
POLOKWANE
0700
TEL : 015 - 284 4000
FAX :

CONSULTANT:
SUPERIOR
SUPERIOR QUALITY ENGINEERING
60 MAGAZYN STREET
POLOKWANE
TEL : 015 - 295 3750
FAX : 086 514 8513
e-MAIL : nelvin@superiorengineers.com

DRAWING TITLE:
WATER DISCHARGE NETWORK
MAIN ABLUTION FACILITY

PROJECT TITLE:
THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI/MME/003
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT No:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 30



NOTES:
1. DETAILED DESIGN

Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout
REVISION

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 - 284 7000
FAX :

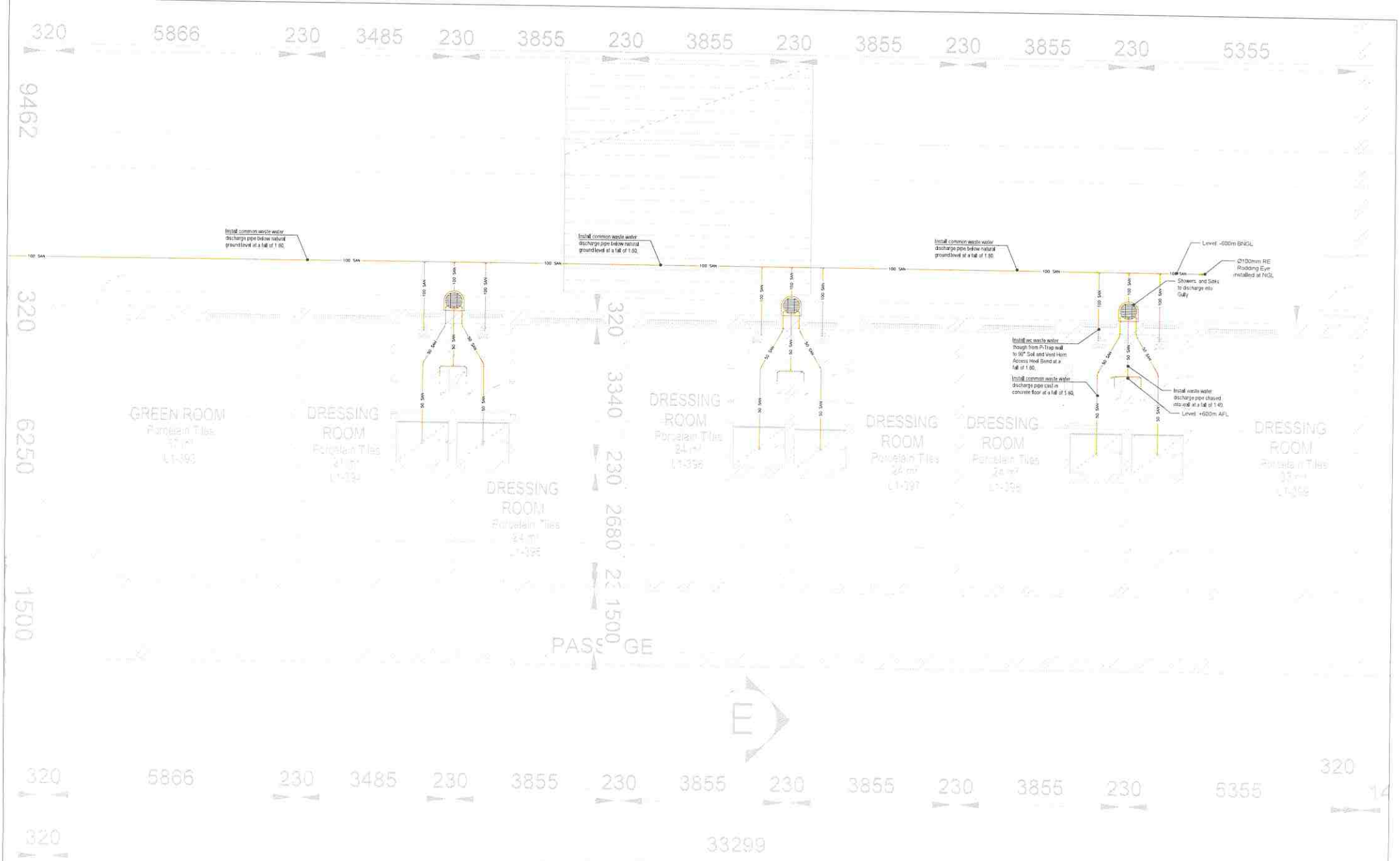
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 BICCARD STREET
POLOKWANE
0700
TEL : 015 - 284 4000
FAX :

CONSULTANT:
SUPERIOR
SUPERIOR QUALITY ENGINEERING
60 MAGAZYN STREET
POLOKWANE
TEL : 015 - 295 5750
FAX : 086 514 8512
e-MAIL : admin@superiorquality.co.za

DRAWING TITLE:
WATER DISCHARGE NETWORK
LOBBY ABLUTION FACILITY

PROJECT TITLE:
THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI/04/MEC/004
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT No:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1:30



NOTES:

1. DETAILED DESIGN

Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout

REVISION

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:

LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE

LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE

LIMPOPO: DSAC
43 SCHOEMAN STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:

SUPERIOR QUALITY ENGINEERING
50 MAGAZYN STREET
POLOKWANE
TEL : 015 – 295 5250
FAX : 086 514 9013
e-MAIL : admin@superiorenginners.com

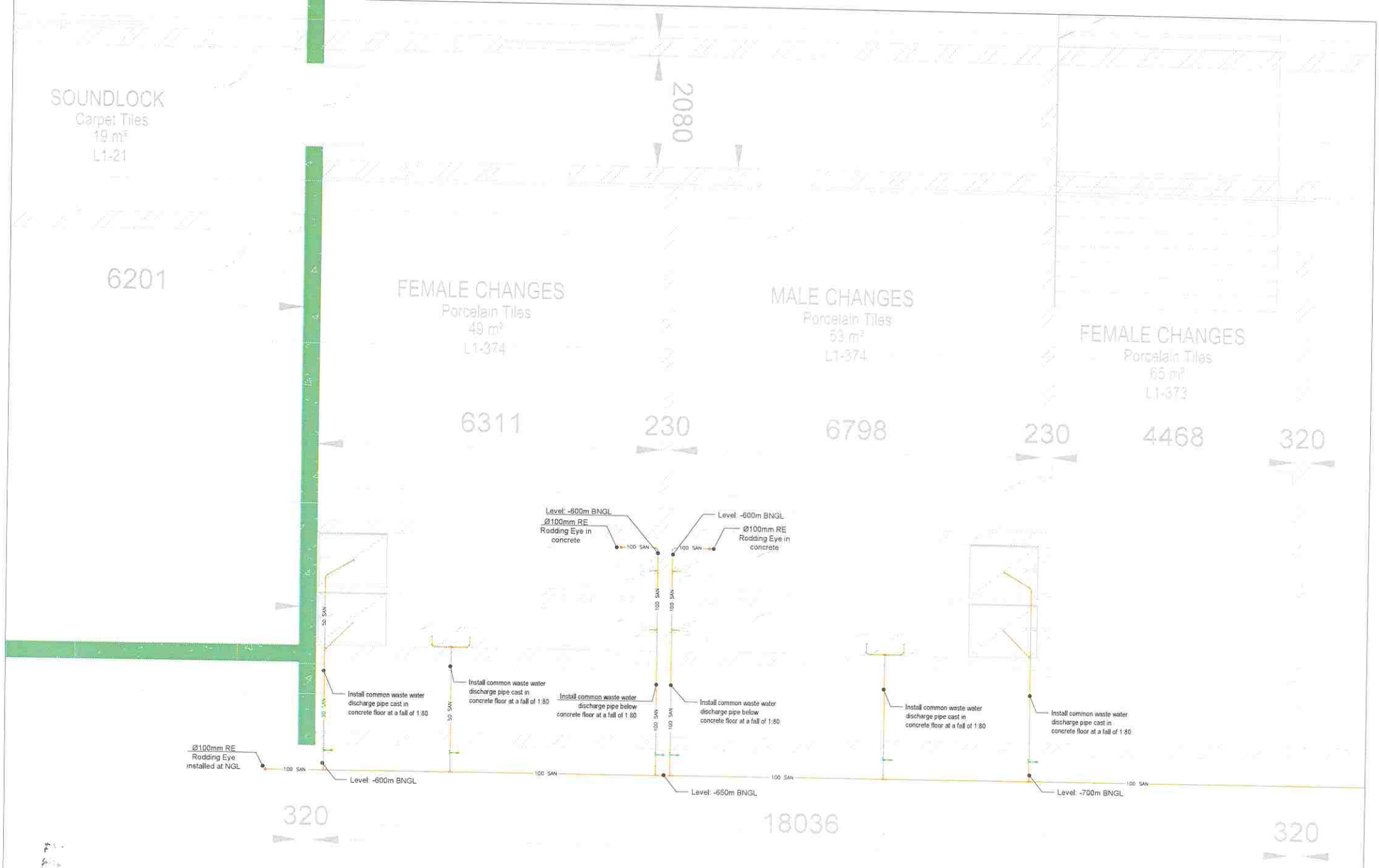
DRAWING TITLE:

WATER DISCHARGE NETWORK
DRESSING ROOM FACILITY

PROJECT TITLE:

THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER	LDPWI04/MEC.005
PROJECT NUMBER	LDPWI / 21-02
CONTRACT No:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 30



NOTES:
1. DETAILED DESIGN

Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout
REVISION

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

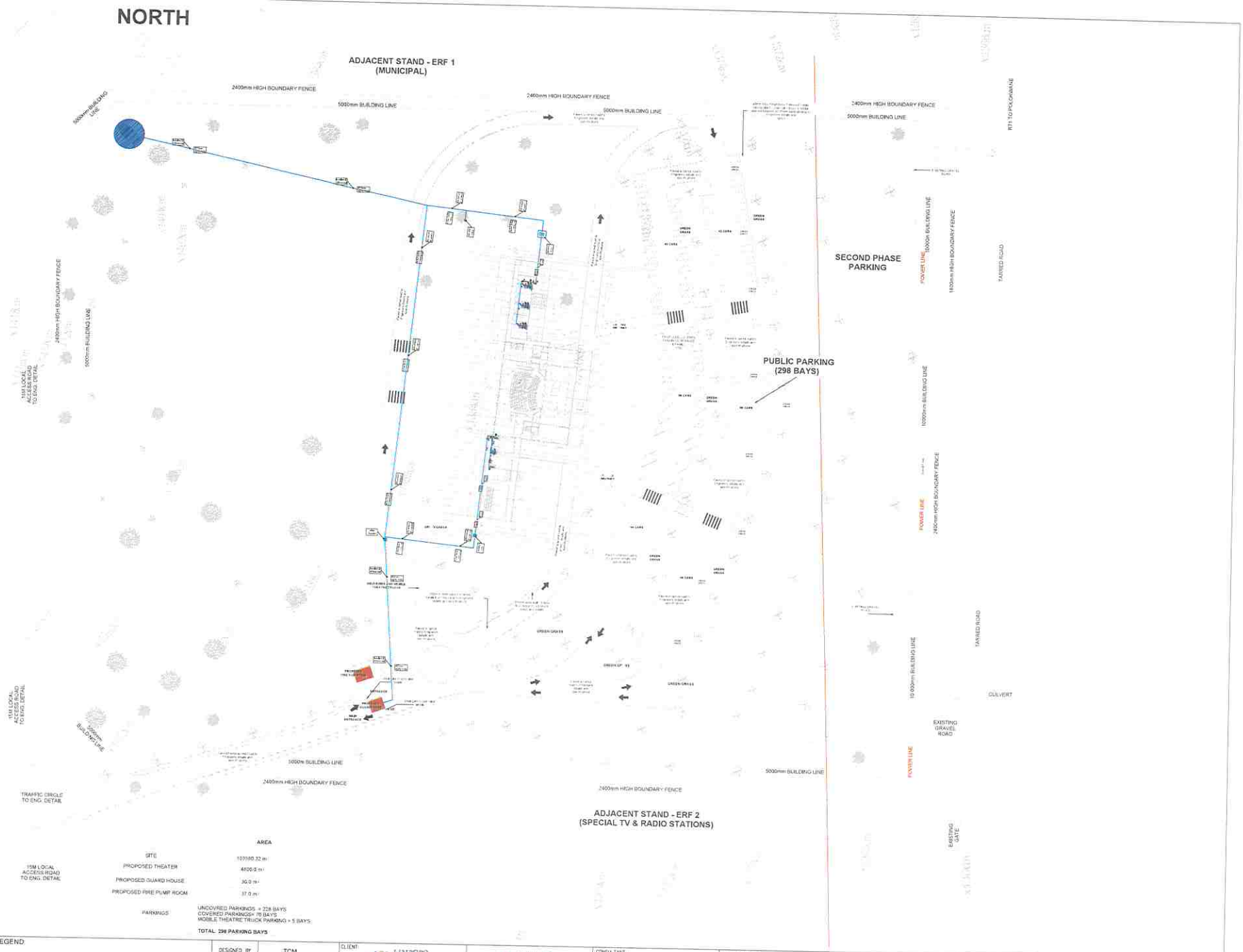
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 SCCARD STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:
SUPERIOR
SUPERIOR QUALITY ENGINEERING
50 MAGAZYN STREET
POLOKWANE
TEL : 015 – 295 5750
FAX : 086 514 5513
e-MAIL : admin@superiorenqineers.com

DRAWING TITLE:
WATER DISCHARGE NETWORK
MALE & FEMALE CHANGE ROOM FACILITY

PROJECT TITLE:
THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI/044/MEC/006
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT NO.:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 30



NOTES:
1. DETAILED DESIGN

Revision 2: Change of Layout
Revision 1: Additional Basement Layout
REVISION

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

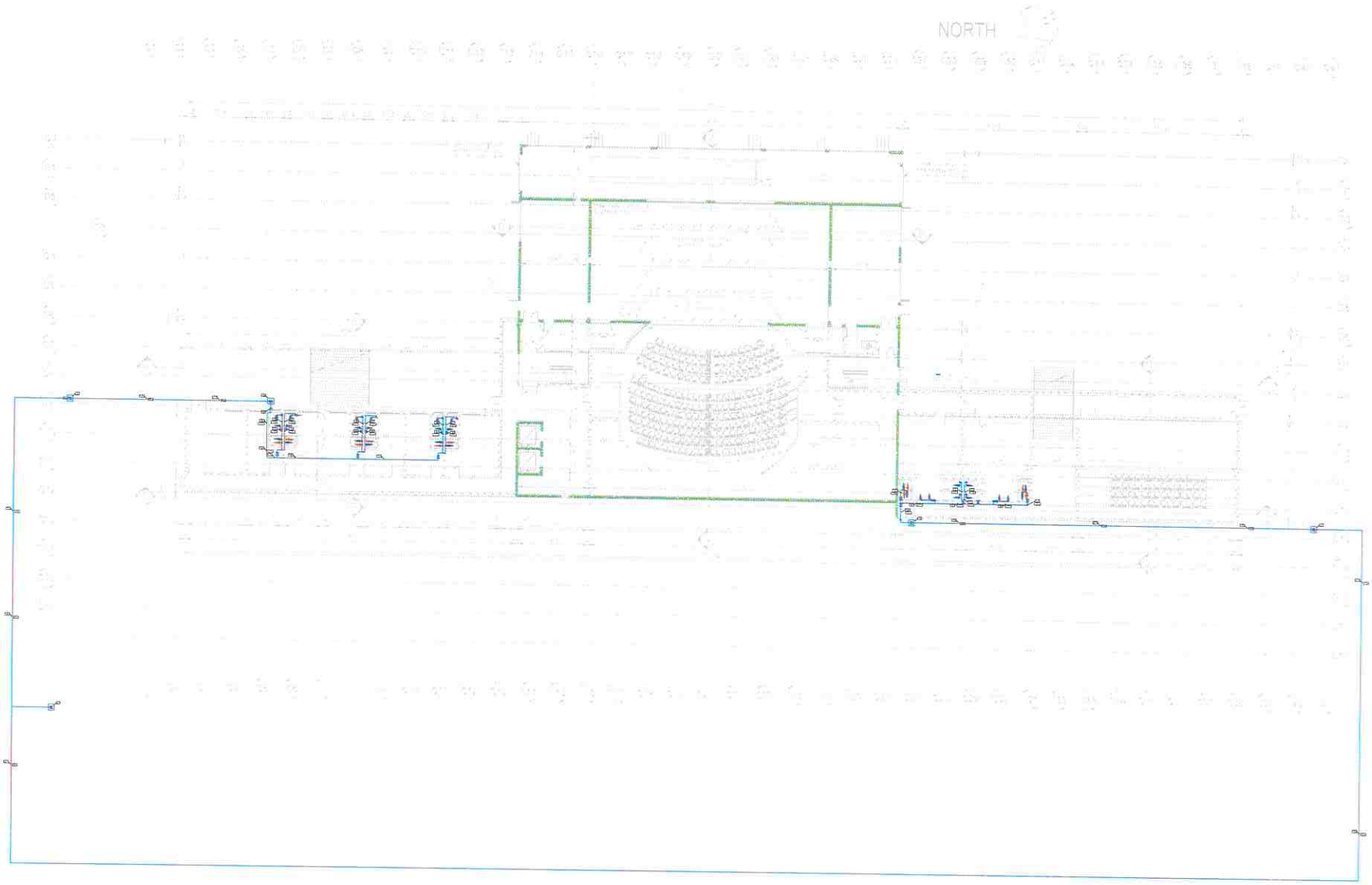
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 BODARD STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:
SUPERIOR QUALITY ENGINEERING
50 MAGATIK STREET
POLOKWANE
TEL : 015 – 295 5756
FAX : 086 514 8513
e-MAIL : admin@superiorengineers.com

DRAWING TITLE: WATER SUPPLY NETWORK SITE

PROJECT TITLE: THE LIMPOPO DEPARTMENT OF SPORTS, ART AND CULTURE (DSAC) BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI05-MEC-001
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT No.:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A0
SCALE:	1 : 500



NOTES:

1. DETAILED DESIGN

Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout

REVISION

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:

LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE

LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 - 284 7000
FAX :

LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE

LIMPOPO: DSAC
43 UNCOMO STREET
POLOKWANE
0700
TEL : 015 - 284 4000
FAX :

CONSULTANT:

SUPERFORM

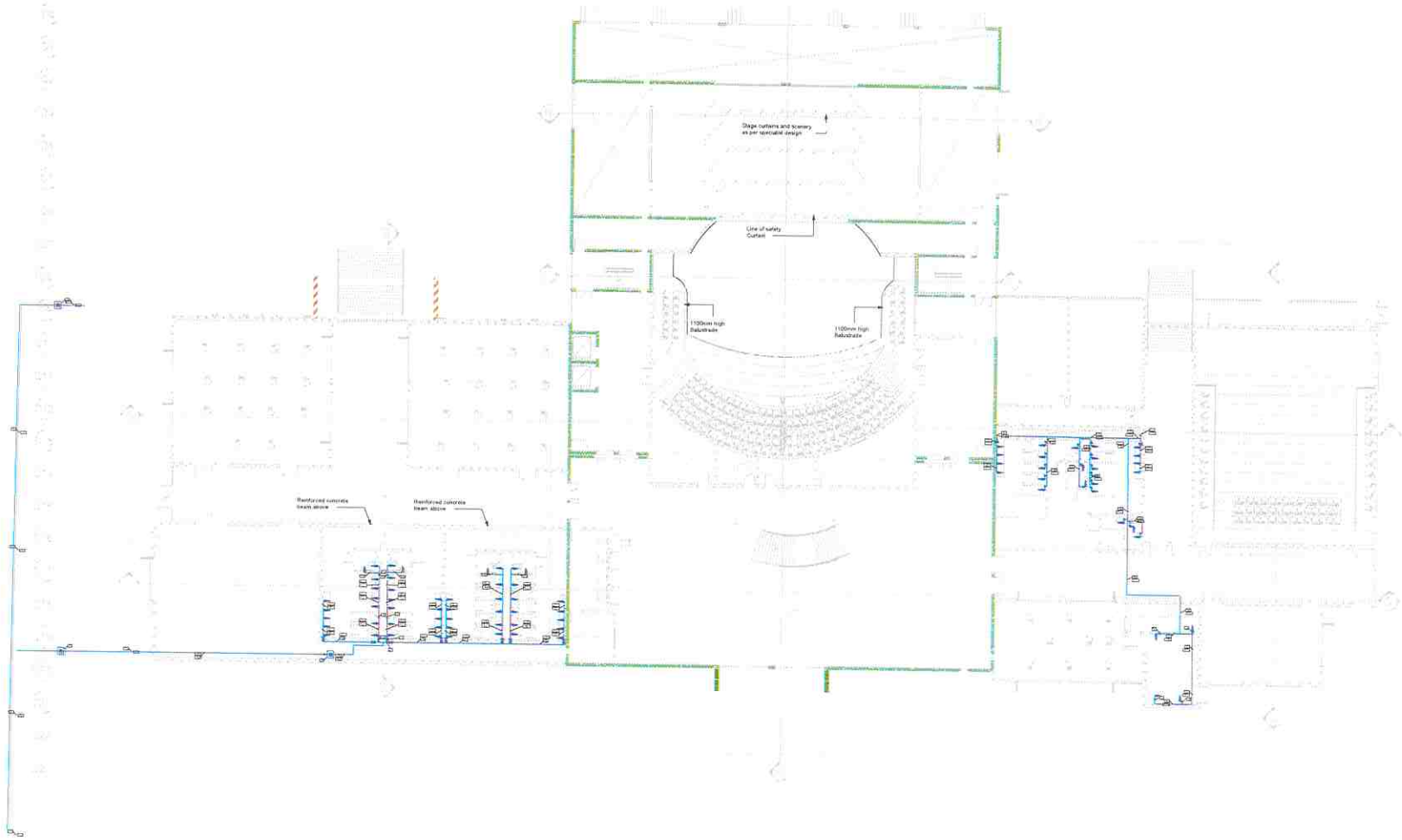
SUPERIOR QUALITY ENGINEERING
60 HAMPTON STREET
POLOKWANE
TEL : 015 - 295 5750
FAX : 086 514 8513
e-MAIL : admin@superiorengineers.com

DRAWING TITLE: WATER SUPPLY NETWORK
FIRST LEVEL

PROJECT TITLE: THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER	LDPW/05/MEC.002
PROJECT NUMBER	LDPW/I / 21-02
CONTRACT No.:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 200

NORTH



NOTES:
1. DETAILED DESIGN

Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout
REVISION

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

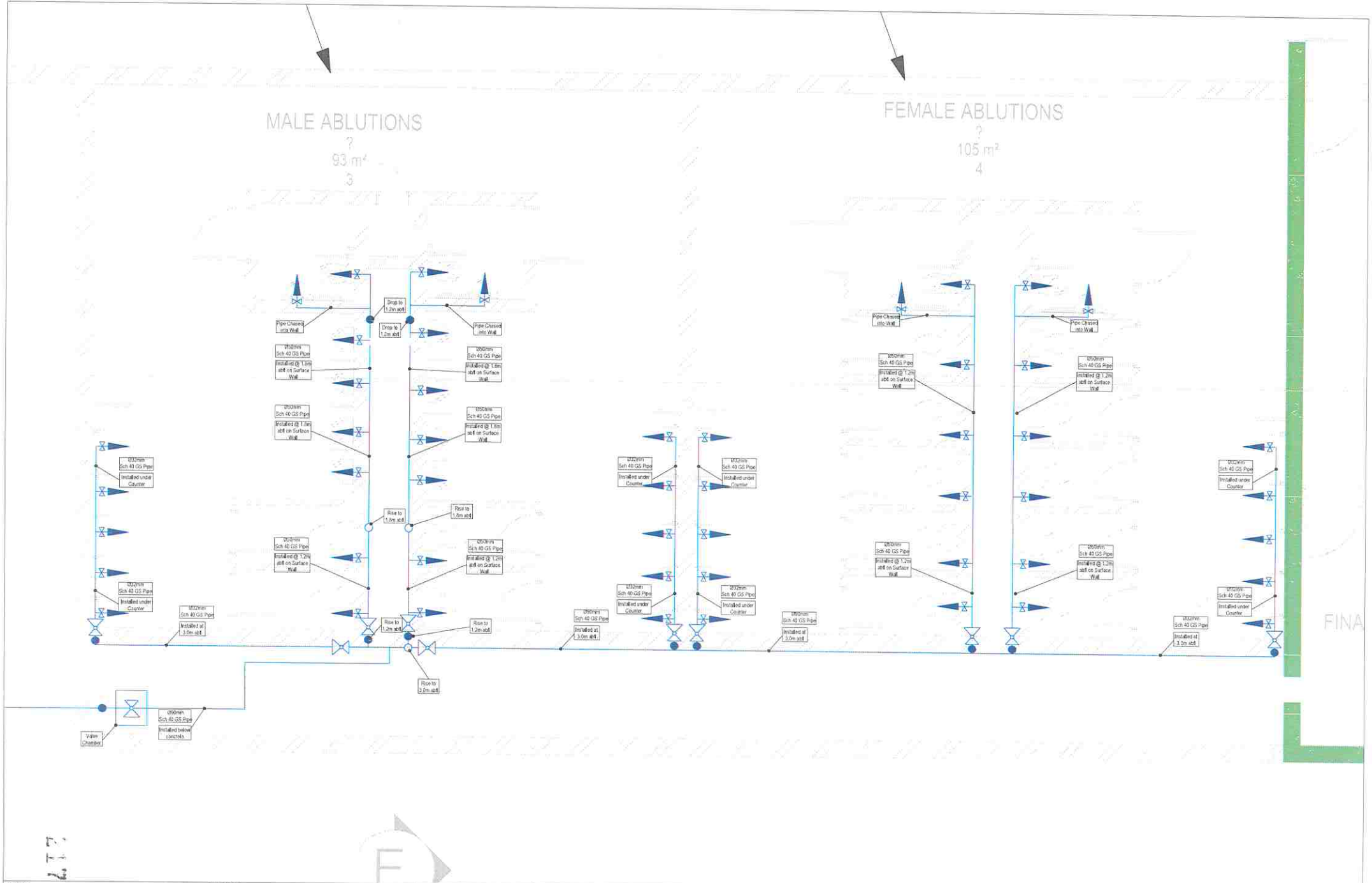
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 BICCARD STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:
SUPERIOR
SUPERIOR QUALITY ENGINEERING
50 MAGAZYN STREET
POLOKWANE
TEL : 015 – 295 3750
FAX : 086 514 8312
e-MAIL : admin@superiorengineers.com

DRAWING TITLE:
WATER SUPPLY NETWORK
SECOND LEVEL

PROJECT TITLE:
THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI05MEC003
PROJECT NUMBER:	LDPWI/21-02
CONTRACT No.:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 200



NOTES:
1. DETAILED DESIGN

LEGEND:

Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout
REVISION

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

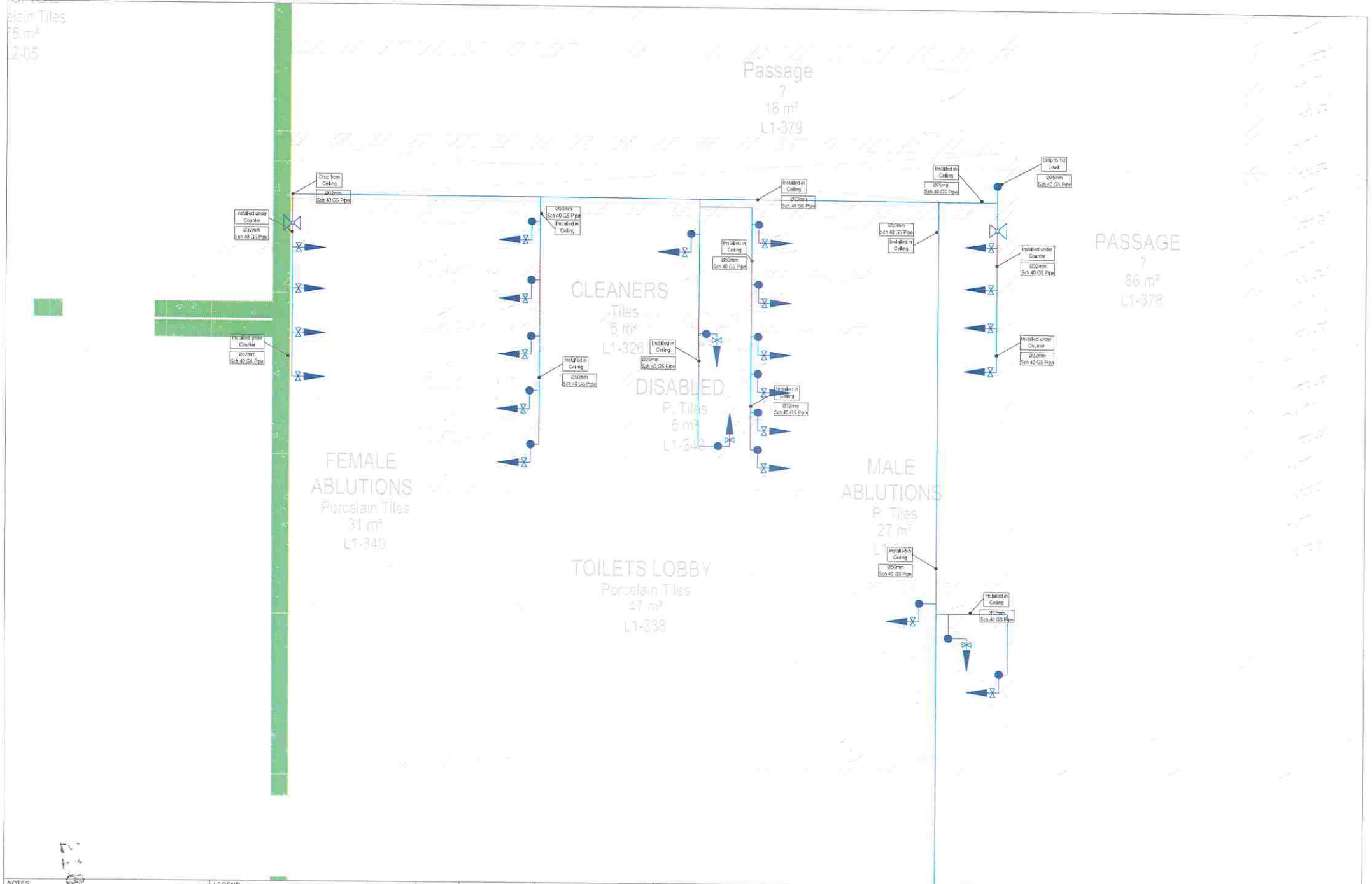
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 BICCARD STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:
SUPERWIN
SUPERIOR QUALITY ENGINEERING
60 MAGAZYN STREET
POLOKWANE
TEL : 015 – 295 3750
FAX : 086 514 1013
e-MAIL : admin@superwinpolokwane.com

DRAWING TITLE:
WATER SUPPLY NETWORK
MAIN ABLUTION FACILITY

PROJECT TITLE:
THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER: LDPWI05/MEC.004
PAPER SIZE: A1
PROJECT NUMBER: LDPWI / 21-02
SCALE: 1 : 30
CONTRACT No: LDPWRI-PROF/18002/2021/02



NOTES:
1. DETAILED DESIGN

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout
REVISION

CLIENT:
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

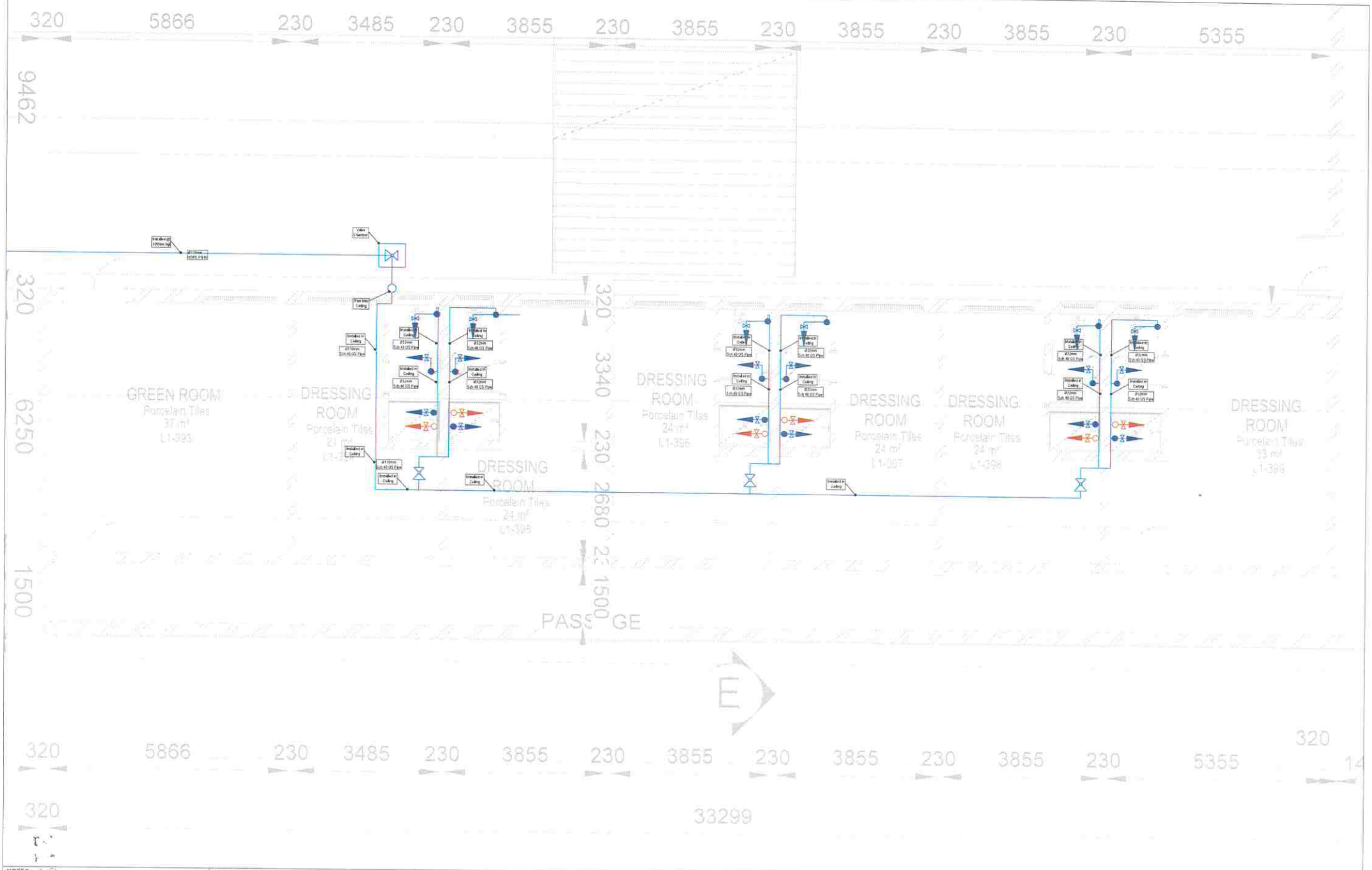
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 BICCARD STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:
SUPERIOR
SUPERIOR QUALITY ENGINEERING
60 WAGATH STREET
POLOKWANE
TEL : 015 – 295 5750
FAX : 086 514 8513
e-MAIL : admin@superiorengineers.com

DRAWING TITLE:
WATER SUPPLY NETWORK
LOBBY ABLUTION FACILITY

PROJECT TITLE:
THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER	LDPWI05MEC-005
PROJECT NUMBER	LDPWI / 21-02
CONTRACT No:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 10



NOTES:
1. DETAILED DESIGN

REVISION
Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:
LIMPOPO
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 - 284 7000
FAX :

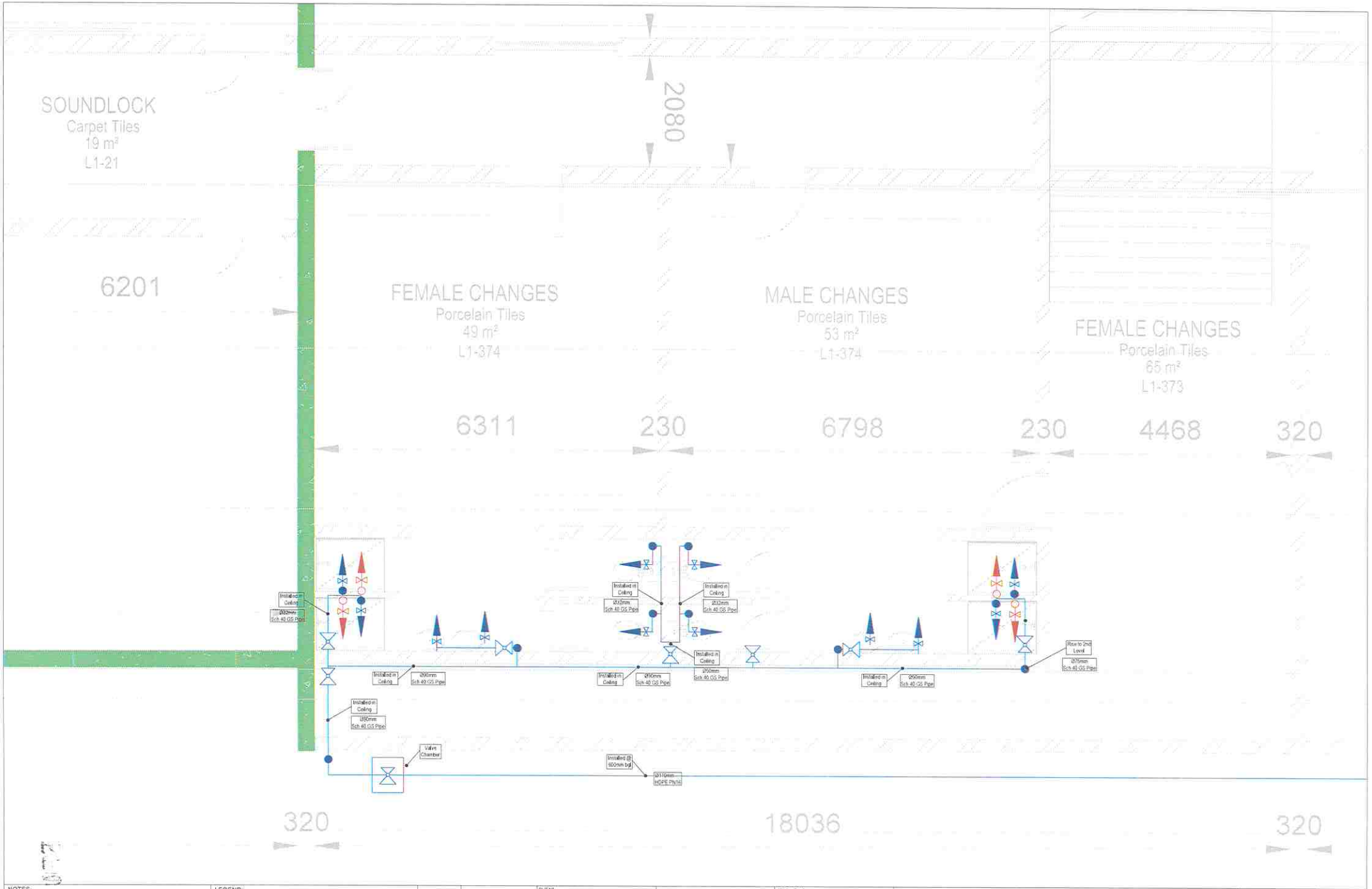
LIMPOPO
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 JACCARD STREET
POLOKWANE
0700
TEL : 015 - 284 4000
FAX :

CONSULTANT:
SUPERIOR
SUPERIOR QUALITY ENGINEERING
60 MAGATH STREET
POLOKWANE
TEL : 010 - 755 5750
FAX : 086 514 4513
e-MAIL : admin@superiorengineers.com

DRAWING TITLE:
WATER SUPPLY NETWORK
DRESSING ROOM FACILITY

PROJECT TITLE:
THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWRS/MEC/006
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT No.:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1 : 20



NOTES:
1. DETAILED DESIGN

LEGEND:

Revision 2: Revised Architectural Layout
Revision 1: New Architectural Layout
REVISION

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 - 284 7000
FAX :

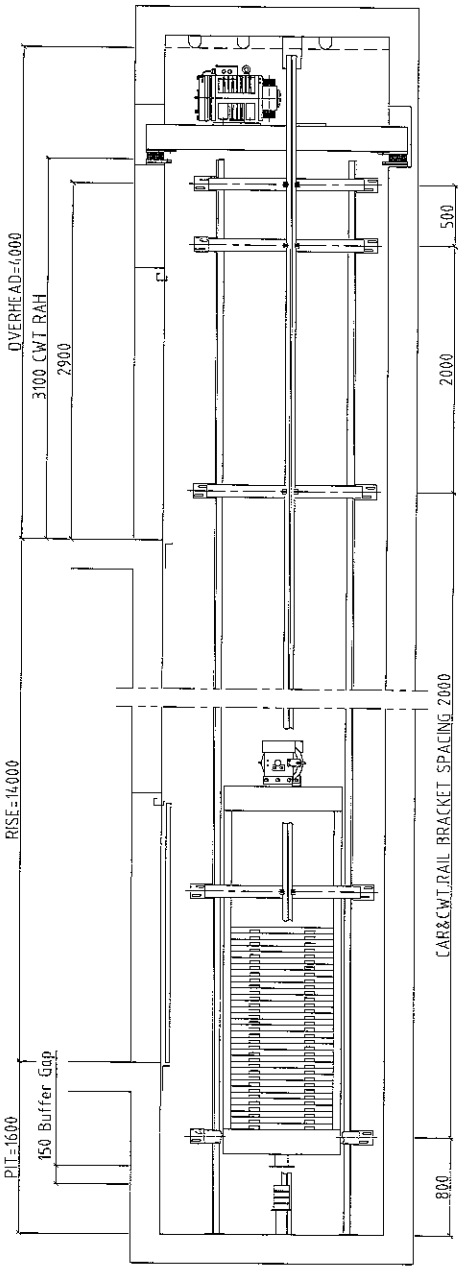
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 BICCARD STREET
POLOKWANE
0700
TEL : 015 - 284 4000
FAX :

CONSULTANT:
SUPERIOR
SUPERIOR QUALITY ENGINEERING
60 HAGATON STREET
POLOKWANE
TEL : 015 - 295 5750
FAX : 086 514 8513
e-MAIL : admin@superiorengineers.com

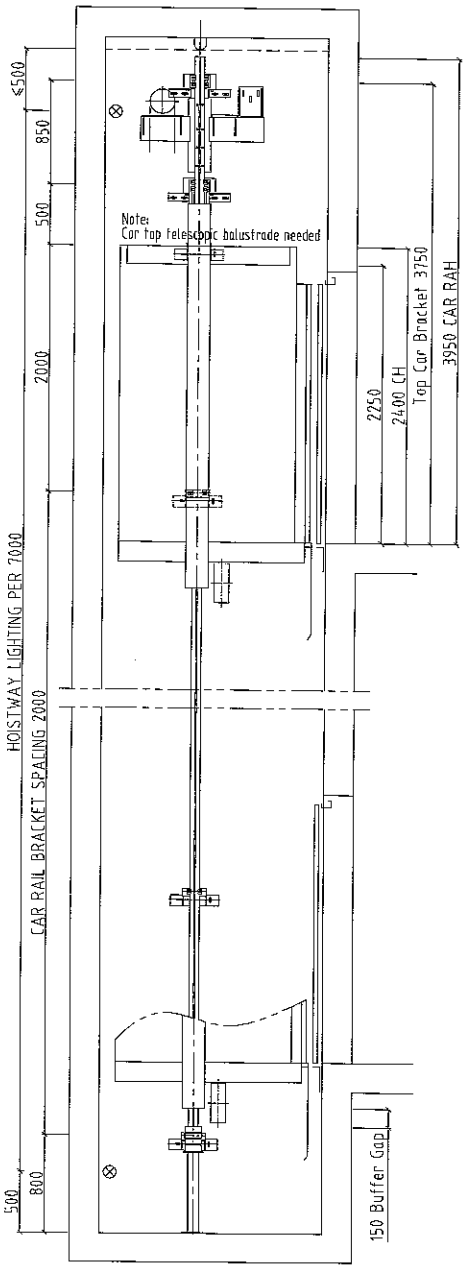
DRAWING TITLE:
WATER SUPPLY NETWORK
MALE & FEMALE CHANGE ROOM FACILITY

PROJECT TITLE:
THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI05/MEC.007
PROJECT NUMBER:	LDPWI / 21-02
CONTRACT No:	LDPWRI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	1:30



ELEVATION
SECTION A



ELEVATION
SECTION B

Done by the owner & builder

1.The hoistway should be exclusively used for the GFL. It should't contain cables or devices etc., other than for the lift. Hoistway and all parts attached to it should meet the requirement for fire protection.
2.The verticality tolerance of the hoistway should be ranged as follows:
when rise is 0~30m,0~-25mm; when rise is 30~60m, 0~-50mm; when rise exceeds 60m, 0~-50mm. And the minimum horizontal dimension of the whole rise is regarded as the hoistway size marked in the layout.
3.If accessible spaces do exist below the car and the counterweight, the base of the pit should be designed for an imposed load of at least 5000N/m², and the counterweight should be equipped with safety gear.
Note: Lift hoistways should preferably not be situated above a space accessible to persons.
4.Safety protection barrier with enough strength which height is not less than 1.2m should be placed in front of all entrances of hoistway before lift installed.
5.Enclosed hoistway should be provided with preformed ventilation openings in the upper or lower hoistway, and the ventilation opening should be at least 1% of the available hoistway area.
6.The reserved hole for landing door, hall call units etc, should be filled in after installation.
7.We prefer concrete hoistway. If you adopt brick structure, concrete beam of 300mm in height should be made in the hoistway wall where the guide brackets will be fixed in. Meanwhile, there should be concrete girders of 300mm in height with the same width as the hoistway's, locating upper and lower the edge of landing door hole.
8.When the distance between consecutive landing doorsills exceeds 11 m, intermediate emergency doors of a minimum width of 350mm and a minimum height of 1800mm should be provided, which should not be opened towards inside of the hoistway. And the door should conform to the EN81-1 Standard.
9.The pit should be impervious to infiltration of water. If there is a plash, it should be installed in the corner of the pit.
10.According to requirement of the technical parameter sheet, the power supply should be placed in switch box with protection switch and locked off. The fluctuation of the power supply should be less than ±10%. The neutral conductor and the protection conductor should always be separate, and the ground resistance should be no more than 4 Ω.
11.Hoistway wall and pit should withstand the loads marked in the layout.
12.The outliers (bearing plate etc.) prepared BY OTHERS as shown in the layout should be pre-imbedded.
13.The temperature in the machine room should be maintained between5~40 ℃. Machine room floor should be approximately level and withstand average load of 7.0KN per square metre.
14.User should set up rescue guardhouse. Each lift should be provided with a 3-pair twisted wiring cable or 6-wiring shield cable used as interphone cable (each wiring is not less than 0.75mm², CAT-5 cable is acceptable if the above two kinds of cable are not available.

TECHNICAL DATA

PRODUCT NO.	SPL530
DUTY LOAD	1080 kg
SPEED	1.0 m/s
ROPEING	2:1
CONTROL	VVVF
MIN.FLOOR HEIGHT	2700mm
CLOP TYPE	2SO
RISE(MAX)	50m
RATED CURRENT	17.2 A
STARTUP CURRENT	24.1 A
POWER SUPPLY	400V 3P/5W 50HZ
LIGHTING SUPPLY	230V 50HZ
MOTOR POWER	6.9 KW
REACTIONS (N)	
R1=88000	R2=68000
R3=37000	R4=16000
RR1=38000	RR2=13000
REVISIONS	

NOTE.
OP: DOOR OPENING WIDTH
ROP: WALL OPENING WIDTH
HW: HOISTWAY WIDTH
HD: HOISTWAY DEPTH
CW: CAR INSIDE WIDTH
CD: CAR INSIDE DEPTH
A: CAR OUTSIDE WIDTH
B: CAR OUTSIDE DEPTH
C: DISTANCE FROM CAR SUSPENDING CENTER TO CAR SILL
CARDBG: DISTANCE BETWEEN CAR GUIDE RAILS
CWTDBG: DISTANCE BETWEEN COUNTERWEIGHT GUIDE RAILS
2SO: TWO PANELS SIDE OPENING DOOR
CH: CAR ROUGH HEIGHT
OPH: DOOR OPENING HEIGHT
ROPH: WALL OPENING HEIGHT
RAH: RAIL HEIGHT

①LOP LOCATION
②ONLY FOR FIRE SW SELECTED AT MAIN FLOOR
③PIT LADDER
④LIGHT DEVICE OF PIT INSPECTION
⑤HOISTWAY CABLE
⑥TRAILING CABLE
⑦LEVELING DEVICE
⑧LIMIT SWITCH CAM
⑨HOISTWAY LIGHTING
⑩CAR TOP INSPECTION DEVICE
⑪HALL LANTERN WITH GONG

REMARK: M MAIN FLOOR
E EMERGENCY DOOR TO THE WELL
N NON-STOP
F FRONT DOOR
R REAR DOOR
F+R FRONT AND REAR DOOR

NOTES:
1. DETAILED DESIGN

Revision 1 - Revised Length and Width of Car
REVISION

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT:
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
TEL : 015 – 284 7000
FAX :

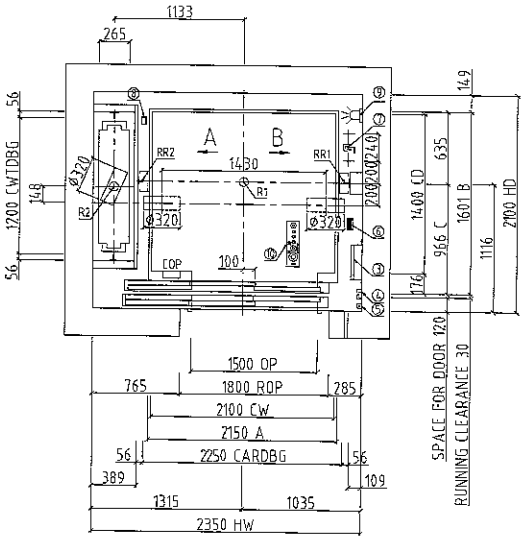
LIMPOPO
PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DSAC
43 RECORD STREET
POLOKWANE
0700
TEL : 015 – 284 4000
FAX :

CONSULTANT:
SUPERIOR QUALITY ENGINEERING
69 MAGATH STREET
POLOKWANE
TEL : 015 – 295 5750
FAX : 086 514 0513
e-MAIL : admin@superiorengineers.com

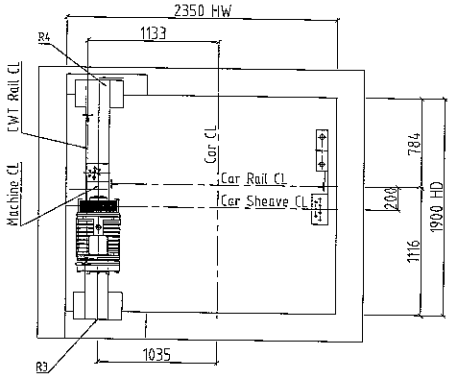
DRAWING TITLE: SPECIALIST EQUIPMENT: ELEVATOR INSTALLATIONS

PROJECT TITLE: THE LIMPOPO DEPARTMENT
OF SPORTS, ART AND CULTURE (DSAC)
BAKONE MALAPA: LIMPOPO THEATRE

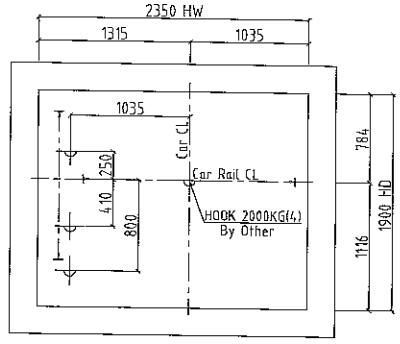
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PROJECT NUMBER: LDPWI/21-02	SCALE: NO TO SCALE
CONTRACT No: LDPWRI-PROF/18002/2021/02	



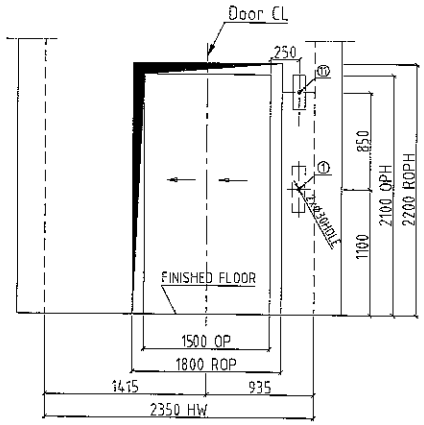
HOISTWAY PLAN



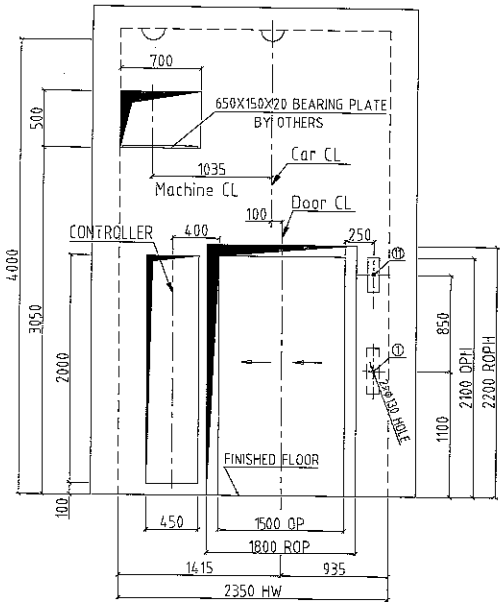
HOISTWAY TOP PLAN



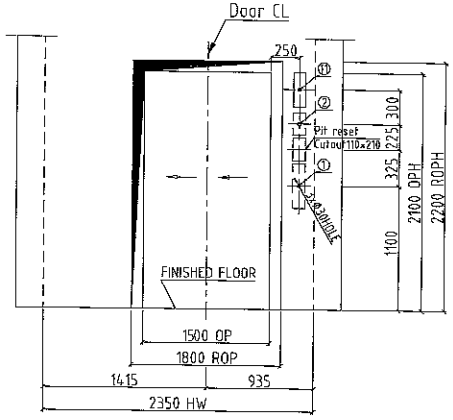
HOISTING HOOK(BY OTHERS)



1-3 FLOOR



4 FLOOR



G FLOOR

Done by the owner & builder

1.The hoistway should be exclusively used for the lift. It shouldn't contain cables or devices etc., other than for the lift. Hoistway and all parts attached to it should meet the requirement for fire protection.
2.The verticality tolerance of the hoistway should be ranged as follows:
when rise is 0~30m, 0~-25mm; when rise is 30~60m, 0~-50mm; when rise exceeds 60m, 0~-50mm. And the maximum horizontal dimension of the whole rise is regarded as the hoistway size marked in the layout.
3.If accessible spaces do exist below the car and the counterweight, the base of the pit should be designed for an imposed load of at least 5000N/m², and the counterweight should be equipped with safety gear.
Note: Lift hoistways should preferably not be situated above a space accessible to persons.
4.Safety protection barrier with enough strength which height is not less than 1.2m should be placed in front of all entrances of hoistway before lift installed.
5.Enclosed hoistway should be provided with perforated ventilation openings in the upper or lower hoistway, and the ventilation opening should be at least 1% of the available hoistway area.
6.The reserved hole for landing door, hall call units etc. should be filled in after installation.
7.We prefer concrete hoistway. If you adopt brick structure, concrete beam of 300mm in height should be made in the hoistway wall where the guide brackets will be fixed at. Meanwhile, there should be concrete girders of 300mm in height with the same width as the hoistway'S, locating upper and lower the edge of landing door hole.
8.When the distance between consecutive landing doorsels exceeds 11 m, intermediate emergency doors of a minimum width of 350mm and a minimum height of 1830mm should be provided, which should not be opened towards inside of the hoistway. And the door should conform to the EN81.1 Standard.
9.The pit should be impervious to infiltration of water. If there is a plash, it should be installed in the corner of the pit.
10.According to requirement of the technical parameter sheet, the power supply should be placed in switch box with protection switch and locked off. The fluctuation of the power supply should be less than ±10%. The neutral conductor and the protection conductor should always be separate, and the ground resistance should be no more than 4 Ω.
11.Hoistway wall and pit should withstand the loads marked in the layout.
12.The noiseless bearing plate etc.(prepared BY OTHERS)s shown in the layout should be pre-embedded.
13.The temperature in the machine room should be maintained between5~40 ℃. Machine room floor should be approximately level and withstand average load of 7.0KN per square metre.
14.User should set up rescue greenhouse. Each lift should be provided with a 3-pair twisted wiring cable or 6-wiring shield cable used as interphone cable (each wiring is not less than 0.75mm²). CAT-5 cable is acceptable if the above two kinds of cable are not available.

TECHNICAL DATA	
PRODUCT NO.	SPL530
DUTY LOAD	1000 kg
SPEED	1.0 m/s
ROPEING	2:1
CONTROL	VVVF
MINFLOOR HEIGHT	2700mm
CL.OP TYPE	2SO
RISE(MAX)	50m
RATED CURRENT	17.2 A
STARTUP CURRENT	24.1 A
POWER SUPPLY	400V 3P/5W 50HZ
LIGHTING SUPPLY	230V 50HZ
MOTOR POWER	6.9 KW
REACTIONS (N)	
R1=88000	R2=68000
R3=17000	R4=18000
RR1=38000	RR2=33000
REVISIONS	

NOTE
OP: DOOR OPENING WIDTH
ROP: WALL OPENING WIDTH
HW: HOISTWAY WIDTH
HD: HOISTWAY DEPTH
CW: CAR INSIDE WIDTH
CD: CAR INSIDE DEPTH
A: CAR OUTSIDE WIDTH
B: CAR OUTSIDE DEPTH
C: DISTANCE FROM CAR SUSPENDING CENTER TO CAR SILL
CARDBG: DISTANCE BETWEEN CAR GUIDE RAILS
CWTDBG: DISTANCE BETWEEN COUNTERWEIGHT GUIDE RAILS
2SO: TWO PANELS SIDE OPENING DOOR
CH: CAR ROUGH HEIGHT
OPH: DOOR OPENING HEIGHT
ROPH: WALL OPENING HEIGHT
RAH: RAIL HEIGHT

①LOP LOCATION
②ONLY FOR FIRE SW.SELECTED AT MAIN FLOOR
③PIT LADDER
④LIGHT DEVICE OF PIT INSPECTION
⑤HOISTWAY CABLE
⑥TRAILING CABLE
⑦LEVELING DEVICE
⑧LIMIT SWITCH CAM
⑨HOISTWAY LIGHTING
⑩CAR TOP INSPECTION DEVICE
⑪HALL LANTERN WITH GONG

REMARK: M MAIN FLOOR
E EMERGENCY DOOR TO THE WELL
N NON-STOP
F FRONT DOOR
R REAR DOOR
F+R FRONT AND REAR DOOR

NOTES:
1. DETAILED DESIGN

Revision 1 - Revised Length and Width of Car
REVISION

LEGEND:

DESIGNED BY	TCM
CHECKED BY	BN
DRAWN BY	TCM
APPROVED BY	BN

CLIENT: LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE
LIMPOPO: DPWI
43 CHURCH STREET
POLOKWANE
0700
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LIMPOPO DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE
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CONSULTANT:
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TEL : 015 – 295 3700
FAX : 086 544 2573
e-MAIL : admin@superiorqualityengineers.com

DRAWING TITLE: SPECIALIST EQUIPMENT: ELEVATOR INSTALLATION DETAILS

PROJECT TITLE: THE LIMPOPO DEPARTMENT OF SPORTS, ART AND CULTURE (DSAC) BAKONE MALAPA: LIMPOPO THEATRE

DRAWING NUMBER:	LDPWI07/MEC04
PROJECT NUMBER:	LDPWI/21-02
CONTRACT No:	LDPWI-PROF/18002/2021/02
PAPER SIZE:	A1
SCALE:	NO TO SCALE

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
PUBLIC WORKS, ROADS
AND INFRASTRUCTURE

C4.2.5:

ELECTRICAL ENGINEER

DRAWINGS & SPECIFICATIONS

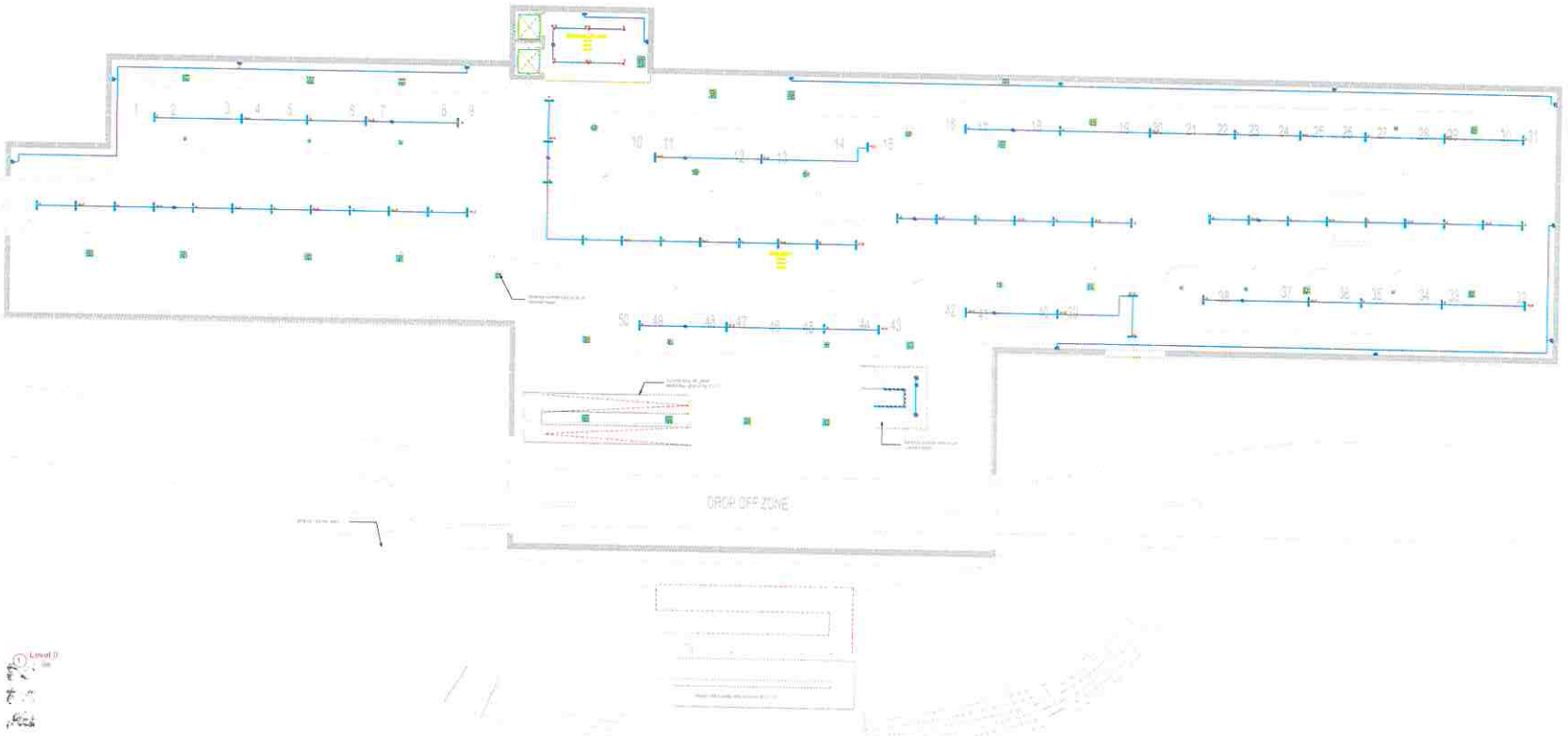
LEGEND

	58W, 800mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHGUARD
	30W, 1200mm WATERTIGHT LED LIGHT FITTING COMPLETE with DRIVER (EMERGENCY) - similar to BEKA Neptune
	1200x600mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER.
	1200x300mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY)
	600x600mm 30W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER.
	600x600mm 30W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY)
	18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER - similar to RONDOmax
	18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) - similar to RONDOmax
	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE With DRIVER - similar to RONDOmax
	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE with DRIVER (Emergency) - similar to RONDOmax
	21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER - similar to BEKA Series 300
	21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER (Emergency) - similar to BEKA Series 300
	28W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) - similar to BEKA ROUGHGUARD
	28W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHGUARD

	58W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) - similar to BEKA ROUGHGUARD
	58W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHGUARD
	75W LED SEMI-LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. similar to BEKA LEDmax mast
	75W LED SEMI-LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA LEDmax mast
	100W LED SEMI-LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. similar to BEKA LEDmax mast
	100W LED SEMI-LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA LEDmax mast
	30W LINEAR LED LIGHT - similar to BEGLITEDRIK 45MM
	25W LINEAR LED LIGHT - similar to BEKA LEDBrick
	36W DECORATIVE BULKHEAD LED LIGHT - similar to BEKA OVAL
	FRONT OF HOUSE LIGHTS - LED SPOTLIGHTS
	STAGE LIGHTS - LED BEAM LIGHTS
	STAGE LIGHTS - LED WASH LIGHTS

LEGEND

	ONE LEVER LIGHT SWITCH
	ONE LEVER LIGHT SWITCH
	OCCUPANCY SENSOR
	PHOTO CELL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET
	SWITCHED SOCKET 16A, 3 PIN + 2xEURO + 2xUSB COMPLETE
	SINGLE PHASE ISOLATOR
	THREE PHASE ISOLATOR
	WORK STATION POINTS - RECESSED IN BRICK WALL TYPE: TV/Data/Computer Point, 1xDedicated Plug, 2x Standard Plug
	WORK STATION POINTS - ON POWER SKIRTING TYPE: TV/Data/Computer Point, 1xDedicated Plug, 2x Standard Plug
	LOCKABLE FLUSH MOUNTED ELECTRICAL DISTRIBUTION BOARD
	TELEPHONE POINT
	DATA/COMPUTER POINT
	3 COMPARTMENT POWER SKIRTING COVERED BRUSHED STAINLESS STEEL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET - UNDER COUNTER



Level 0

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC

ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT

DEPARTMENT OF

PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT

DEPARTMENT OF SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	DESIGN	2022/05/11
01	COMMENTS FROM ARCHITECT	2022/05/26
02	COMMENTS FROM ARCHITECT	22/05/31
03	COMMENTS FROM ARCHITECT	22/06/06
04	STRUCTURAL COMPONENTS ADDED	2022/06/14
05	FIRE ESCAPE ROUTES ADJUSTED	2022/06/24
06	STRUCTURAL COMPONENTS REVISED	2022/07/20
07	BASEMENT ADDED & ARCHITECTS COMMENTS ADDED	2022/07/31

PROJECT:

CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 31-07-2022

TITLE:

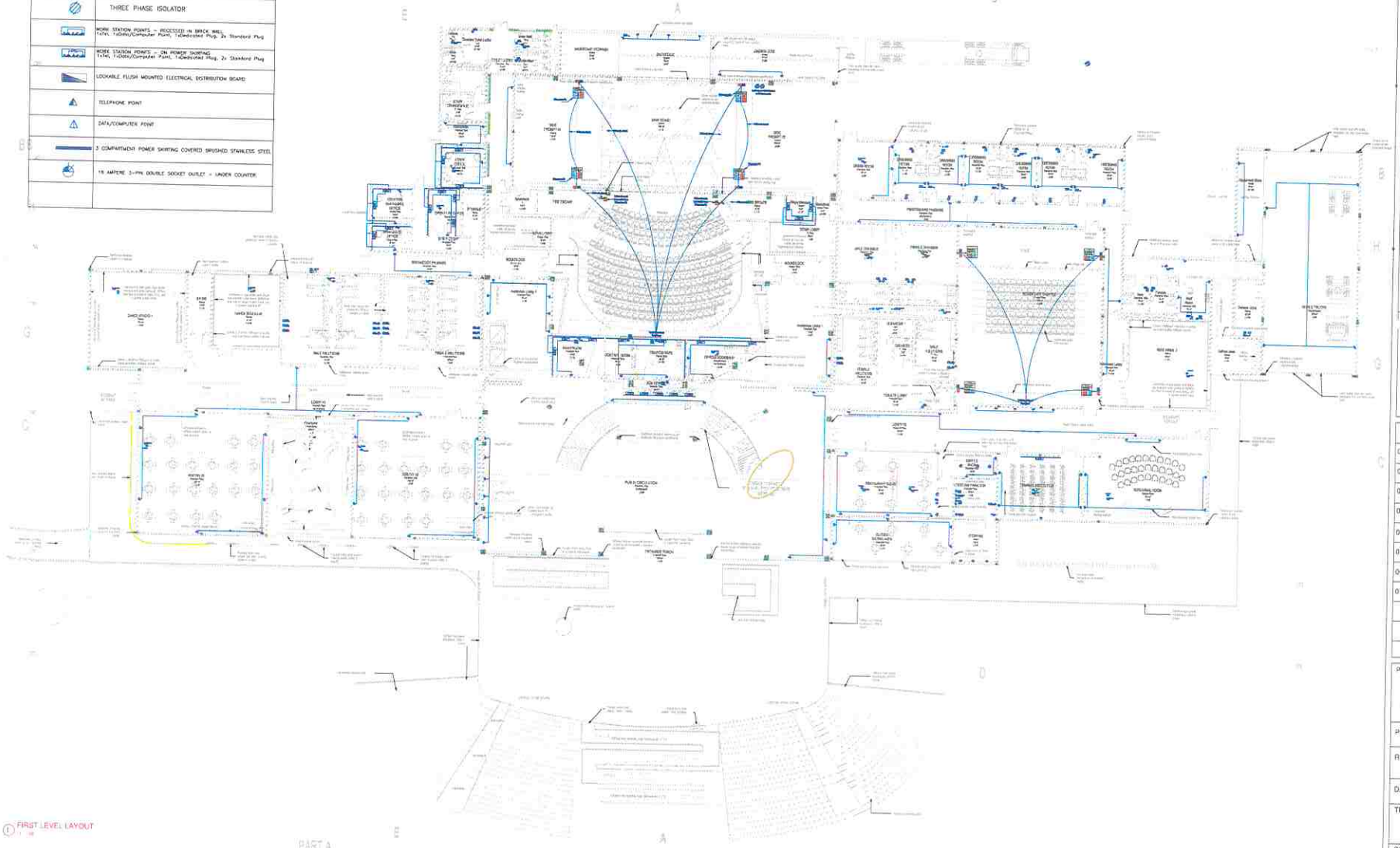
PROPOSED LIMPOPO THEATRE

SHEET CONTENT:

ELECTRICAL LAYOUT - SUB BASEMENT

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	NTS
DRAWING NUMBER: MOG-LPT-DWG-BL01	REV 07
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)

LEGEND	
	ONE LEVER LIGHT SWITCH
	ONE LEVER LIGHT SWITCH
	OCCUPANCY SENSOR
	PHOTO CELL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET
	SWITCHED SOCKET 16A, 3 PIN + 2xEURO + 2xUSB COMPLETE
	SINGLE PHASE ISOLATOR
	THREE PHASE ISOLATOR
	WORK STATION POINTS - RECESSED IN BRICK WALL 1xTel, 1xData/Computer Point, 1xDedicated Plug, 2x Standard Plug
	WORK STATION POINTS - ON POWER SKIRTING 1xTel, 1xData/Computer Point, 1xDedicated Plug, 2x Standard Plug
	LOCKABLE FLUSH MOUNTED ELECTRICAL DISTRIBUTION BOARD
	TELEPHONE POINT
	DATA/COMPUTER POINT
	3 COMPARTMENT POWER SKIRTING COVERED BRUSHED STAINLESS STEEL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET - UNDER COUNTER



1 FIRST LEVEL LAYOUT
1 : 100

PART A

PART B

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	DESIGN	2022.05.11
01	COMMENTS FROM ARCHITECT	2022.05.26
02	COMMENTS FROM ARCHITECT	22.05.31
03	COMMENTS FROM ARCHITECT	22.06.06
04	STRUCTURAL COMPONENTS ADDED	2022.06.14
05	FIRE ESCAPE ROUTES ADJUSTED	2022.06.24
06	STRUCTURAL COMPONENTS REVISED	2022.07.20
07	BASEMENT ADDED & ARCHITECTS COMMENTS ADDED	2022.07.31

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 31-07-2022

TITLE:
PROPOSED LIMPOPO THEATRE

SHEET CONTENT:
POWER LAYOUT - FIRST LEVEL

DRAWN BY: MM

CHECKED BY: NHM

SCALE: NTS

DRAWING NUMBER: MOG-LPT-DWG-01L002

REV: 07

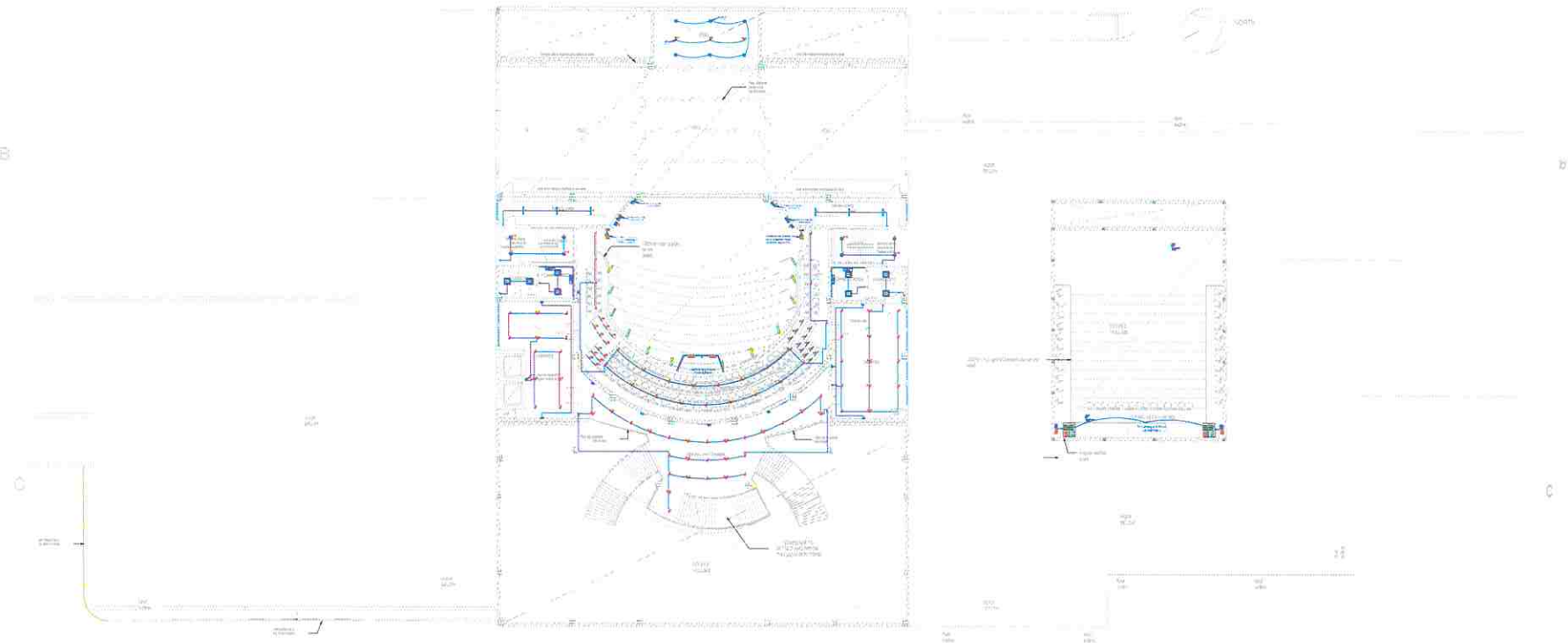
WORK STAGE: DESIGN DEVELOPMENT - (STAGE 03)

LEGEND

	ONE LEVER LIGHT SWITCH
	ONE LEVER LIGHT SWITCH
	OCCUPANCY SENSOR
	PHOTO CELL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET
	SWITCHED SOCKET 16A, 3 PIN + 2xCLING + 2xISB COMPLETE
	SINGLE PHASE ISOLATOR
	THREE PHASE ISOLATOR
	WORK STATION POINTS - RECESSED IN BRICK WALL TYPE: Tel/Data/Computer Point, 1xTelephone Plug, 2x Standard Plug
	WORK STATION POINTS - ON POWER SKIRTING TYPE: Tel/Data/Computer Point, 1xTelephone Plug, 2x Standard Plug
	LOCKABLE FLUSH MOUNTED ELECTRICAL DISTRIBUTION BOARD
	TELEPHONE POINT
	DATA/COMPUTER POINT
	3 COMPARTMENT POWER SKIRTING COVERED BRUSHED STAINLESS STEEL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET - UNDER COUNTER

LEGEND

	54W, 600mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHGUARD
	30W, 1200mm WATERTIGHT LED LIGHT FITTING COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA Vapourline
	1200x600mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER
	1200x600mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER (EMERGENCY)
	600x600mm 30W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER.
	600x600mm 30W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY)
	18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER - similar to RONDOmax
	18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) - similar to RONDOmax
	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER - similar to RONDOmini
	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) - similar to RONDOmini
	21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER - similar to BEKA Series 300
	21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER (Emergency) - similar to BEKA Series 300
	28W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) - similar to BEKA ROUGHGUARD
	25W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHGUARD
	58W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) - similar to BEKA ROUGHGUARD
	58W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHGUARD
	35W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. similar to BEKA LCDmini mast
	70W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY) - similar to BEKA LCDmini mast
	100W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. similar to BEKA LCDmini mast
	100W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY) - similar to BEKA LCDmini mast
	50W LINEAR LED LIGHT - similar to BERGSTORM KUMA
	25W LINEAR LED LIGHT - similar to BEKA LCDmini
	24W DECORATIVE BULKHEAD LED LIGHT - similar to BEKA OVAL
	FRONT OF HOUSE LIGHTS - LED SPOTLIGHTS
	STAGE LIGHTS - LED BEAM LIGHTS
	STAGE LIGHTS - LED WASH LIGHTS



1 SECOND LEVEL LAYOUT
1 : 100

DR FACILITY PANEL

ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:
MOGALE MOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
SPORT, ARTS & CULTURE

NO.	COMMENTS	DATE
01	DESIGN	2022/04/11
02	COMMENTS BY LIMPOPO ARCHITECTS	2022/05/04
03	COMMENTS BY LIMPOPO ARCHITECTS	2022/05/31
04	COMMENTS BY LIMPOPO ARCHITECTS	2022/06/14
05	STRUCTURAL COMPONENTS ADDED	2022/06/24
06	FIRE & EQUIPMENT AS-SPECS	2022/06/24
07	STRUCTURAL COMPONENTS REVISED	2022/07/01
08	BASEMENT LEVEL ADDED AND COMMENTS FROM ARCHITECT ADDED	2022/07/12

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/1/1/R

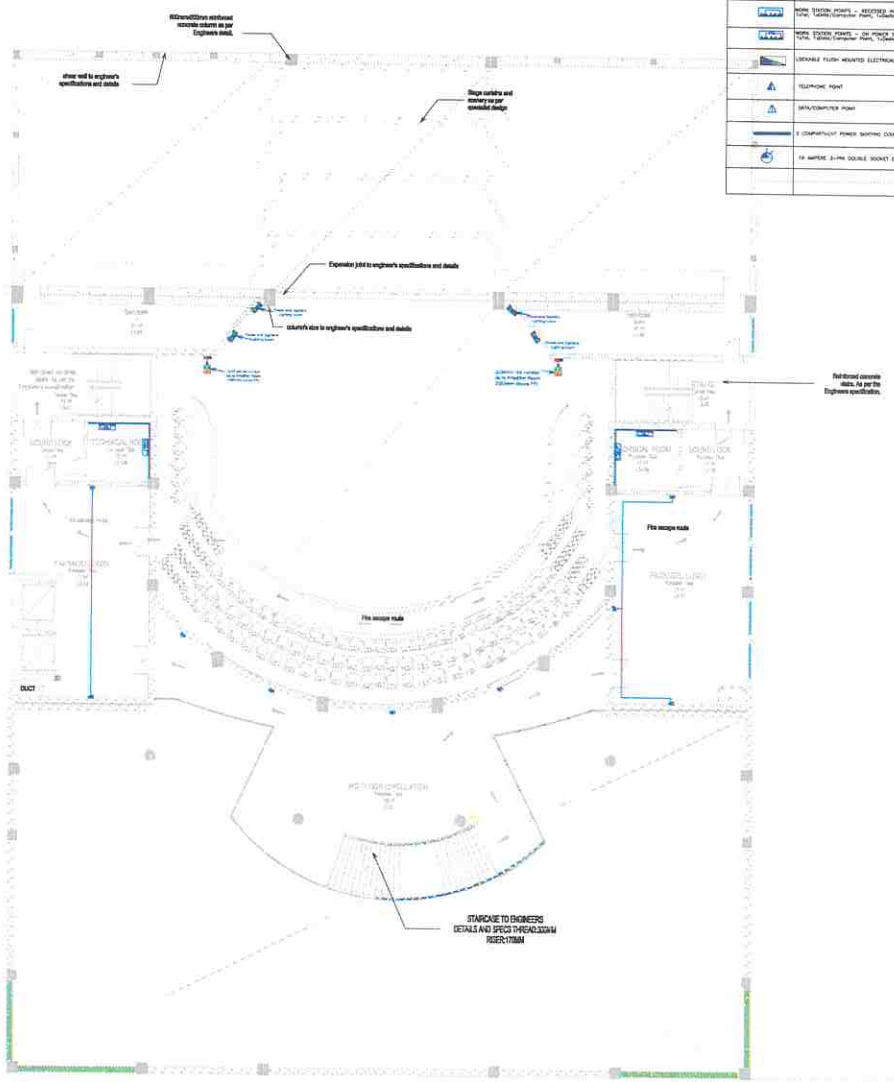
PROJECT NUMBER: TBA

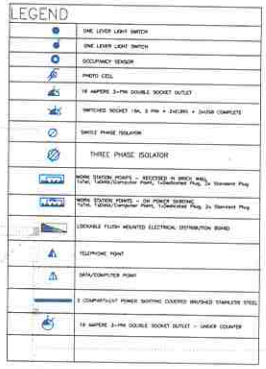
DATE: 8/3/2022 1:15:30 PM

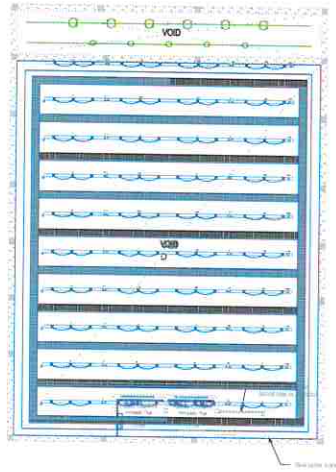
TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ELECTRICAL LAYOUT - SECOND LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-02L001	REV: 07
WORK STAGE:	DESIGN DEVELOPMENT : (STAGE 03)









-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT

MOGALE MOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF SPORT, ARTS & CULTURE

NO.	DESCRIPTION	D.O.I.
01	- STAGE	17/07/2017
11	- STRUCTURAL COMPONENTS (CONCRETE)	2021/06/25
12	- STRUCTURAL COMPONENTS (STEEL)	2021/06/25
13	- STRUCTURAL COMPONENTS (TIMBER)	2021/06/25
14	- STRUCTURAL COMPONENTS (ROOF)	2021/06/25
15	- FIRE ESCAPE ROUTES (SLOPED)	2021/06/25
16	- STRUCTURAL COMPONENTS (REVISED)	2022/07/27
17	- ENGAGEMENT LEVEL HOUSE (INCL. COMMENTS FROM ARCHITECT NEEDS)	2022/07/29

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE MALAPA, IN POLOKWANE/CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/1/1/1.R

PROJECT NUMBER: TBA

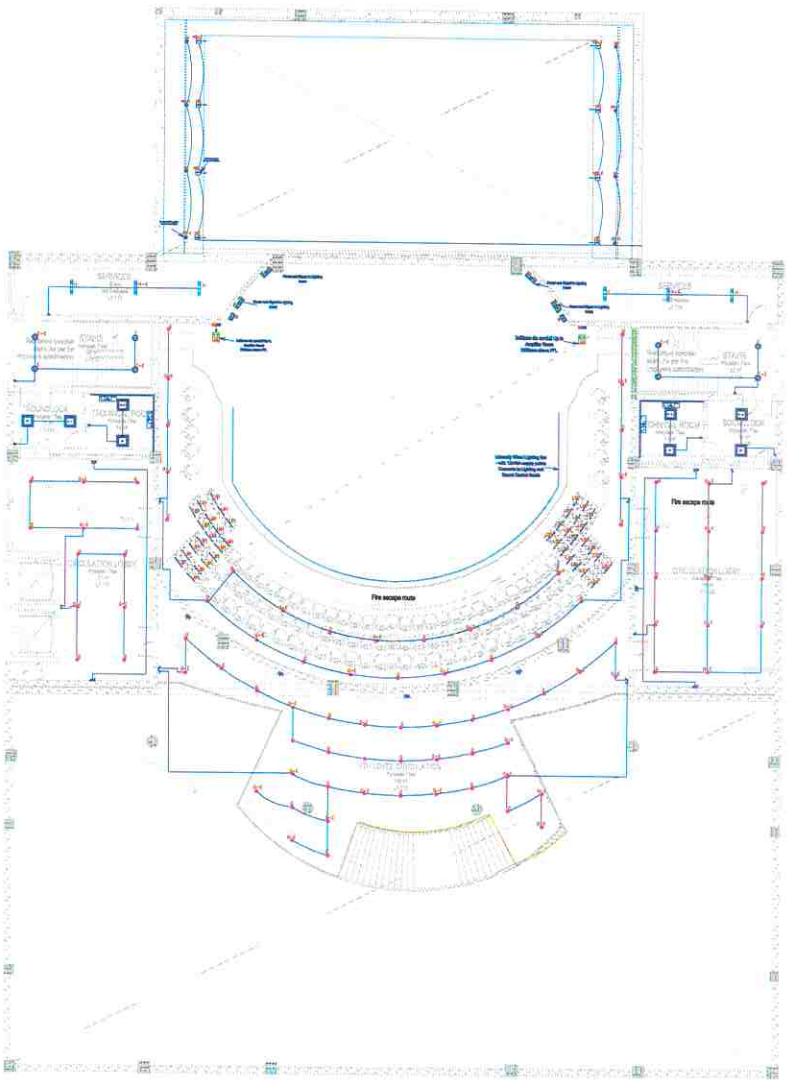
DATE: 8/3/2022 1:15:20 PM

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: POWER LAYOUT - THIRD LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-03L002	REV 07
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)

1 THIRD LEVEL LAYOUT
1 : 100



1 LEVEL 4 FLOOR LAYOUT
1 : 100

LEGEND

56W, 600mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHDOGAURD	58W, 740mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) – similar to BEKA ROUGHDOGAURD
30W, 1200mm VANDAL– RESISTANT LED LIGHT FITTING COMPLETE WITH DRIVER (EMERGENCY) – similar to BEKA Vapourline	58W, 740mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHDOGAURD
1295x625mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER	70W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. similar to BEKA LED84xc maxi
1295x625mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY)	70W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY) - similar to BEKA LED84xc maxi
600x600mm 36W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER.	100W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. similar to BEKA LED84xc maxi
600x600mm 36W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY)	100W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY) - similar to BEKA LED84xc maxi
18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER – similar to RONDOmaxi	50W LINEAR LED LIGHT – similar to BERGSTORM KUMA
18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) – similar to RONDOmaxi	25W LINEAR LED LIGHT – similar to BEKA LED3mini
7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER – similar to RONDOmini	36W DECORATIVE BULKHEAD LED LIGHT – similar to BEKA DVAL
7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) – similar to RONDOmini	FRONT OF HOUSE LIGHTS – LED SPOTLIGHTS
21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER – similar to BEKA Series 300	STAGE LIGHTS – LED BEAM LIGHTS
21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER (Emergency) – similar to BEKA Series 300	STAGE LIGHTS – LED WASH LIGHTS
28W, 600mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (Emergency) – similar to BEKA ROUGHDOGAURD	
28W, 740mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHDOGAURD	

LEGEND

	ONE LEVER LIGHT SWITCH
	ONE LEVER LIGHT SWITCH
	OCCUPANCY SENSOR
	PHOTO CELL
	16 AMPERE 3-PIN DRAWE SOCKET OUTLET
	SWITCHED SOCKET 16A, 3 PIN + 1xEURO + 2xUSB COMPLETE
	SINGLE PHASE ISOLATOR
	THREE PHASE ISOLATOR
WORK STATION POINTS	WORK STATION POINTS – RECESSED in BRICK WALL TXT4C: TV/DATA/Computer Point, 1Communal Plug, 2x Standard Plug
WORK STATION POINTS	WORK STATION POINTS – ON POWER SKIRTING TXT4C: TV/DATA/Computer Point, 1Communal Plug, 2x Standard Plug
	LOCKABLE FLUSH MOUNTED ELECTRICAL DISTRIBUTION BOARD
	TELEPHONE POINT
	DATA/COMPUTER POINT
	3 COMPARTMENT POWER SKIRTING COVERED, BRUSHED STAINLESS STEEL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET – UNDER COUNTER

-ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	ISSUED	2022/05/11
01	COMMENTS OF LDPW ARCHITECTS	2022/10/24
02	COMMENTS 02 BY LDPW ARCHITECTS	2022/12/01
03	COMMENTS 03 BY LDPW ARCHITECTS	2022/12/05
04	STRUCTURAL COMMENTS ADDED	2023/02/24
05	FIRE / SMOKE ROUTES ADDED	2023/02/24
06	STRUCTURAL COMMENTS 04 ADDED	2023/07/03
07	ARCHITECT / CIVIL ADDED AND COMMENTS FROM ARCHITECTS ADDED	2023/07/31

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/1/1 R

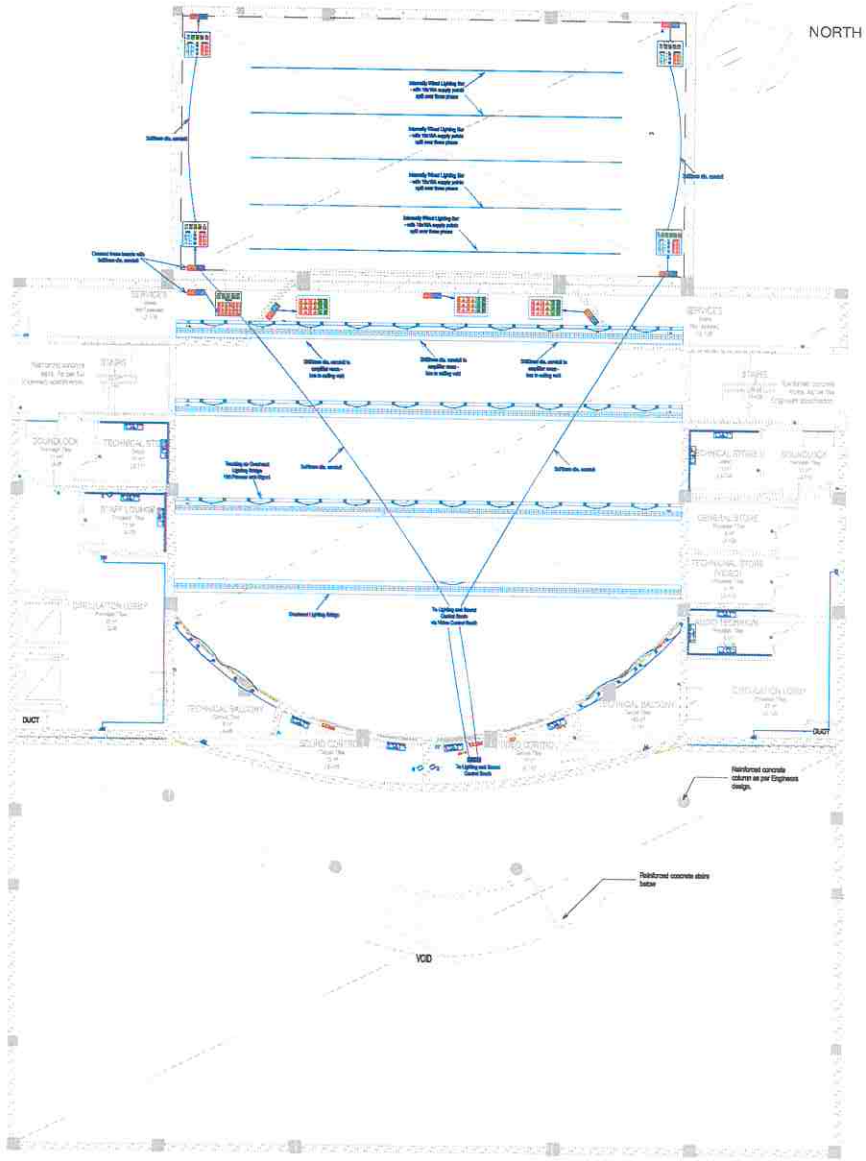
PROJECT NUMBER: TBA

DATE: 8/3/2022 1:16:09 PM

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ELECTRICAL LAYOUT - FOURTH LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-04L001	REV 07
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)



1 LEVEL 5 FLOOR LAYOUT
1 : 100

LEGEND	
	ONE LEVER LIGHT SWITCH
	ONE LEVER LIGHT SWITCH
	OCCUPANCY SENSOR
	PHOTO CELL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET
	SWITCHED SOCKET 15A, 3 PIN + 2x2.5MM + 2x1.5EB COMPLETE
	SINGLE PHASE ISOLATOR
	THREE PHASE ISOLATOR
	WORK STATION POINTS – RECESSED IN BENCH WALL, TYPE: 16AMP/Computer Point, Telkomsteel Plug In Standard Plug
	WORK STATION POINTS – UN POWER SKIRTING TYPE: 16AMP/Computer Point, Telkomsteel Plug In Standard Plug
	LOCKABLE FLUSH MOUNTED ELECTRICAL DISTRIBUTION BOARD
	TELEPHONE POINT
	DATA/COMPUTER POINT
	3 COMPARTMENT POWER SKIRTING COVERED BRUSHED STAINLESS STEEL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET – UNDER COUNTER

-ALL DISCREPENCIES TO BE BROUGHT TO ARC-ITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:
MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF SPORT, ARTS & CULTURE

REV	DESCRIPTION	DATE
01	- DESIGN	2022/05/31
02	- COMMENTS BY LIMPA ARCHITECTS	2022/06/08
03	- COMMENTS ON BY LIMPA ARCHITECTS	2022/06/21
04	- COMMENTS ON BY LIMPA ARCHITECTS	2022/06/28
05	- STRUCTURAL COMPONENTS ADDED	2022/06/29
06	- FIRE ESCAPE ROUTES ADDED/EDITED	2022/06/29
07	- ATTRACTIONS COMPONENTS ADDED	2022/07/08
08	- BASEMENT LEVEL ADDED AND CLIMBING FROM BASEMENT ADDED	2022/07/11

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWR-15/1/1/R

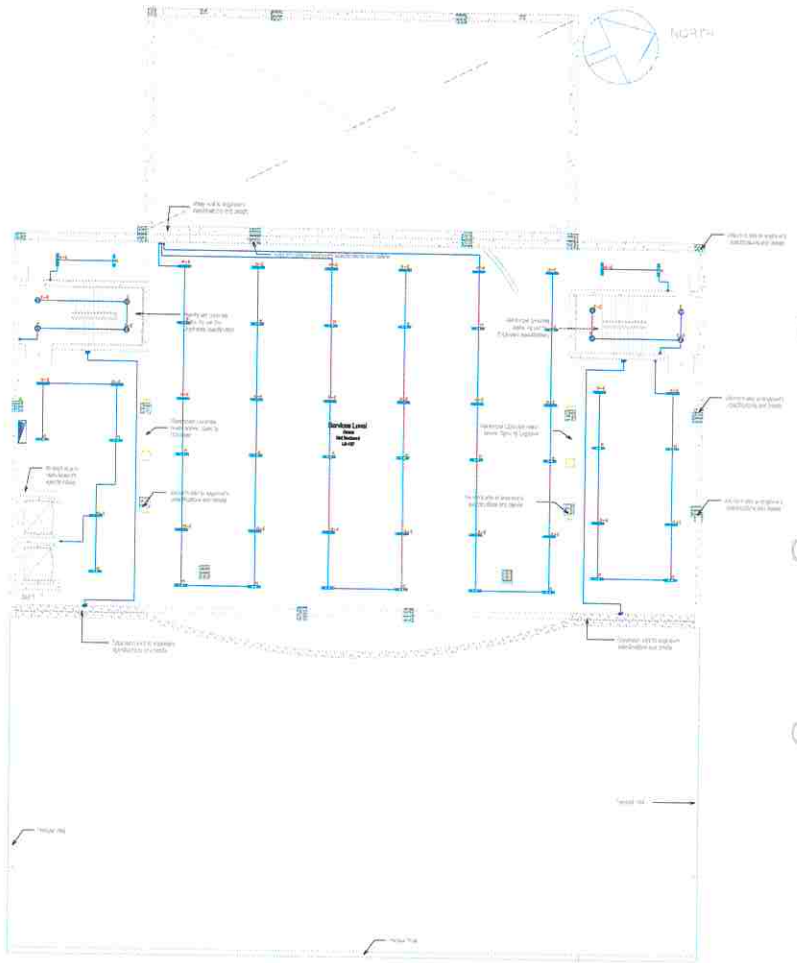
PROJECT NUMBER: TBA

DATE: 8/3/2022 1:16:12 PM

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: POWER LAYOUT - FIFTH LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-05L002	REV: 07
WORK STAGE:	DESIGN DEVELOPMENT - (STAGE 03)



1 LEVEL 6 FLOOR LAYOUT
1 : 100

LEGEND

	58W, 600mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHDOGAURD
	39W, 1200mm WATERTIGHT LED LIGHT FITTING COMPLETE WITH DRIVER (EMERGENCY) – similar to BEKA Vapourline
	1200x600mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER
	1200x600mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY)
	600x600mm 30W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER
	600x600mm 30W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY)
	18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER – similar to RONDOmini
	18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) – similar to RONDOmini
	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER – similar to RONDOmini
	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) – similar to RONDOmini
	27W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER – similar to BEKA Series 300
	27W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER (Emergency) – similar to BEKA Series 300
	28W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) – similar to BEKA ROUGHDOGAURD
	26W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHDOGAURD
	56W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) – similar to BEKA ROUGHDOGAURD
	56W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHDOGAURD
	7W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER
	7W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) – similar to BEKA LEDdisc mini
	10W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER.
	10W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) – similar to BEKA LEDdisc mini
	30W LINEAR LED LIGHT – similar to BERGSTROM KUNA
	26W LINEAR LED LIGHT – similar to BEKA LEDbeam
	36W DECORATIVE BULKHEAD LED LIGHT – similar to BEKA OVAL
	FRONT OF HOUSE LIGHTS – LED SPOTLIGHTS
	STAGE LIGHTS – LED BEAM LIGHTS
	STAGE LIGHTS – LED WASH LIGHTS

LEGEND

	ONE LEVER LIGHT SWITCH
	ONE LEVER LIGHT SWITCH
	OCCUPANCY SENSOR
	PHOTO CELL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET
	SWITCHED SOCKET 16A, 3 PIN + SWEARD + 2xUSB COMPLETE
	SINGLE PHASE ISOLATOR
	THREE PHASE ISOLATOR
	WORK STATION POINTS – RECESSED IN BRICK WALL TYPE: TV/DATA/Computer Point, Telephone Plug, 2x Standard Plug
	WORK STATION POINTS – ON POWER SKIRTING TYPE: TV/DATA/Computer Point, Telephone Plug, 2x Standard Plug
	LOCKABLE FLUSH MOUNTED ELECTRICAL DISTRIBUTION BOARD
	TELEPHONE POINT
	DATA/COMPUTER POINT
	8 COMPARTMENT POWER SKIRTING COVERED BRUSHED STAINLESS STEEL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET – UNDER COUNTER

-ALL DESIGN PENCILS TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
06	- LEVELS	17/07/05/11
01	- COMMENTS BY: DWM ARCHITECTS	2021/09/28
02	- COMMENTS BY: DWM ARCHITECTS	2021/10/21
03	- COMMENTS BY: DWM ARCHITECTS	2021/10/29
04	- STRUCTURAL COMPONENTS REVISED	2021/11/04
05	- FIRE ESCAPE POINTS ADDED	2021/11/12
06	- STRUCTURAL COMPONENTS REVISED	2021/11/25
07	- BASEMENT LEVEL ADDED AND COMMENTS FROM ARC-HIVE ADDED	2021/12/21

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/1:1/5

PROJECT NUMBER: TBA

DATE: 8/3/2022 1:16:14 PM

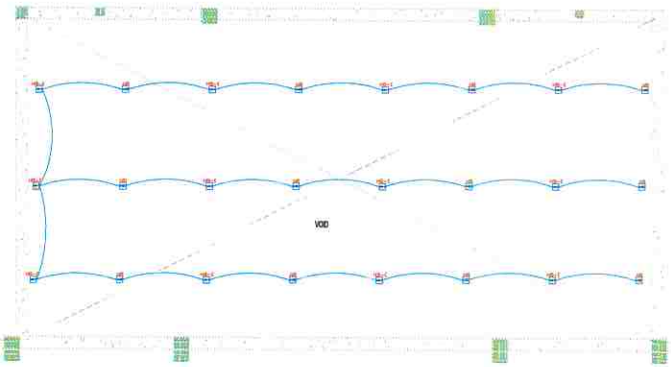
TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ELECTRICAL LAYOUT - SIXTH LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-06L351	REV 07
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)

LEGEND

58W, 1500mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHDOGUARD	58W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) - similar to BEKA ROUGHDOGUARD
30W, 1500mm WATERTIGHT LED LIGHT FITTING COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA Waterline	58W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHDOGUARD
1195x495mm 70W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER	78W LED 595K LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER - similar to BEKA LED84er rect
1200x600mm 70W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER, (EMERGENCY)	78W LED 595K LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA LED84er rect
600x600mm 35W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER	78W LED 595K LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER - similar to BEKA LED84er rect
600x600mm 35W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER, (EMERGENCY)	78W LED 595K LIGHT FITTING WITH ALUMINIUM HOUSING ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA LED84er rect
18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER - similar to REN30mod	50W LINEAR LED LIGHT - similar to BEKASTORM HUMA
18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE With DRIVER (Emergency) - similar to REN30mod	36W LINEAR LED LIGHT - similar to BEKA LED84er
7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER - similar to REN30mod	36W DECORATIVE BULKHEAD LED LIGHT - similar to BEKA 2596
7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) - similar to REN30mod	FRONT OF HOUSE LIGHTS - LED SPOTLIGHTS
21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER - similar to BEKA Series 300	STAGE LIGHTS - LED BEKA LIGHTS
21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER (Emergency) - similar to BEKA Series 300	STAGE LIGHTS - LED WASH LIGHTS
28W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE with DRIVER (emergency) - similar to BEKA ROUGHDOGUARD	
28W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE with DRIVER - similar to BEKA ROUGHDOGUARD	



1 LEVEL 7 FLOOR LAYOUT
1 : 100

ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECT'S ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

MOGALE MOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	ISSUED	2022.04.01
01	COMMENTS BY LEHA ARCHITECTS	2022.05.06
02	COMMENTS BY LEHA ARCHITECTS	2022.05.31
03	COMMENTS BY LEHA ARCHITECTS	2022.06.16
04	STRUCTURAL COMPONENTS ADDED	2022.08.11
05	FIRE ESCAPE ROUTES ADDED	2022.08.24
06	STRUCTURAL COMPONENTS REVISED	2022.09.08
07	BASEMENT LEVEL ADDED AND COMMENTS FROM ARCHITECT ADDED	2022.09.23

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWR-10/11/1 R

PROJECT NUMBER: TBA

DATE: 8/3/2022 1:16:15 PM

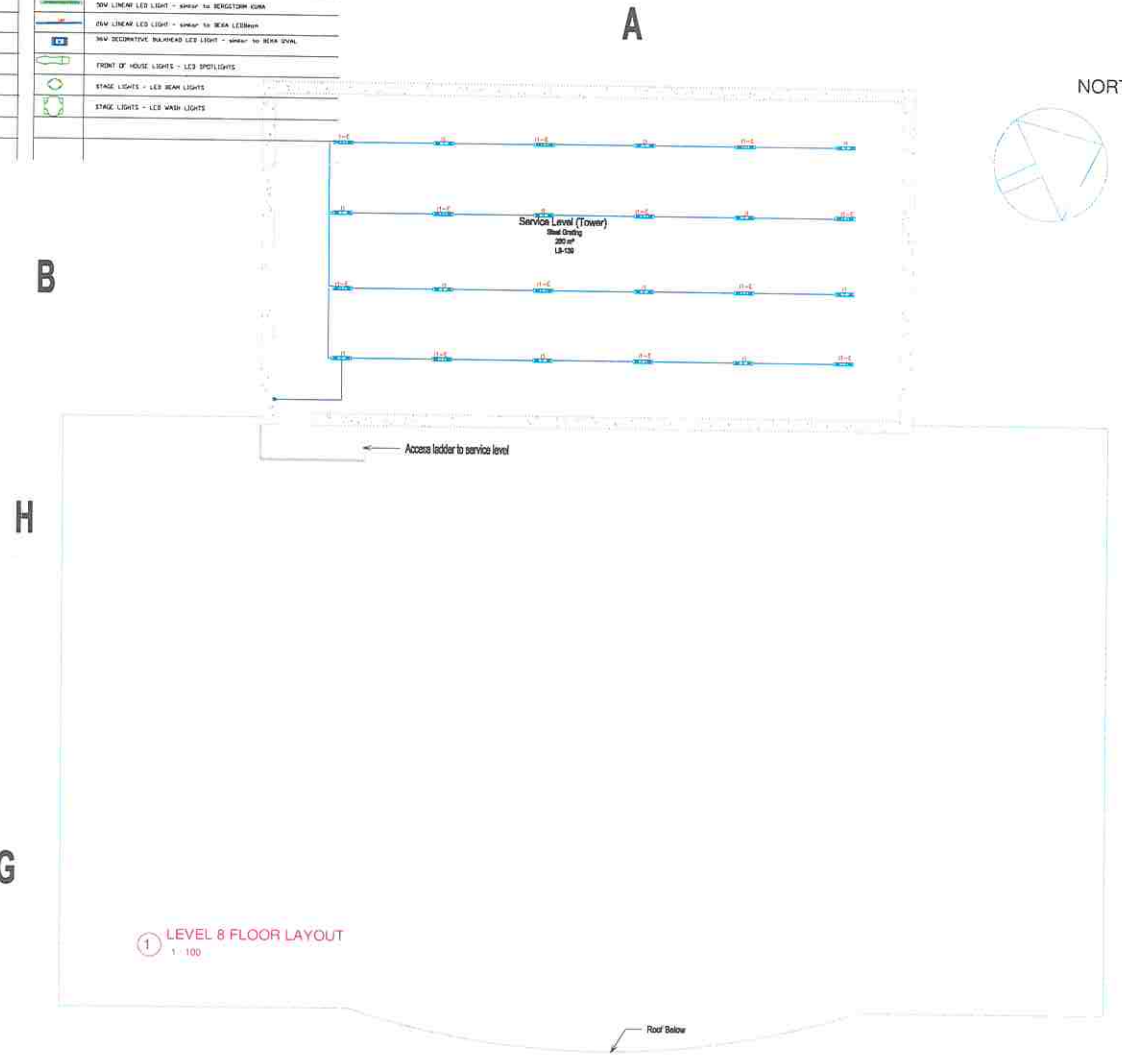
TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: SEVENTH LEVEL LAYOUT

DRAWN BY:	MM
CHECKED BY:	MHM
SCALE:	1 : 100
DRAWING NUMBER: ACE-LPT-DWG-07L001	REV 07
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)

LEGEND

58W, 600mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHGUARD	58W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) - similar to BEKA ROUGHGUARD
36W, 1200mm WATERTIGHT LED LIGHT FITTING COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA Waterline	58W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHGUARD
1200x420mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER	70W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER
1200x420mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER (EMERGENCY)	70W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA LEDdisc read
600x600mm 36W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER	100W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER - similar to BEKA LEDdisc read
600x600mm 36W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER (EMERGENCY)	100W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA LEDdisc read
18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER - similar to RONDOmini	30W LINEAR LED LIGHT - similar to BERGSTORM IGUNA
18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) - similar to RONDOmini	15W LINEAR LED LIGHT - similar to BEKA LEDBeyn
7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER - similar to RONDOmini	36W DECORATIVE BULKHEAD LED LIGHT - similar to BEKA OVAL
7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) - similar to RONDOmini	FRONT OF HOUSE LIGHTS - LED SPOTLIGHTS
21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER - similar to BEKA Series 300	STAGE LIGHTS - LED BEAM LIGHTS
21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER (Emergency) - similar to BEKA Series 300	STAGE LIGHTS - LED WASH LIGHTS
58W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) - similar to BEKA ROUGHGUARD	
58W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHGUARD	



1 LEVEL 8 FLOOR LAYOUT
1 : 100

-ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	DESIGN	2021/05/17
01	COMMENTS BY LDPW ARCHITECTS	2022/05/05
02	COMMENTS 2 BY LDPW ARCHITECTS	2022/05/31
03	COMMENTS 3 BY LDPW ARCHITECTS	2022/06/06
04	STRUCTURAL COMPONENTS ADDED	2022/06/14
05	FIRE ESCAPE DOORS ADJUSTED	2022/06/24
06	STRUCTURAL COMPONENTS REVISED	2022/07/22
07	INVESTMENT LEVEL ADDED AND COMMENTS FROM ARCHITECT ADDED	2022/07/31

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SEKGOPE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/11/R

PROJECT NUMBER: TBA

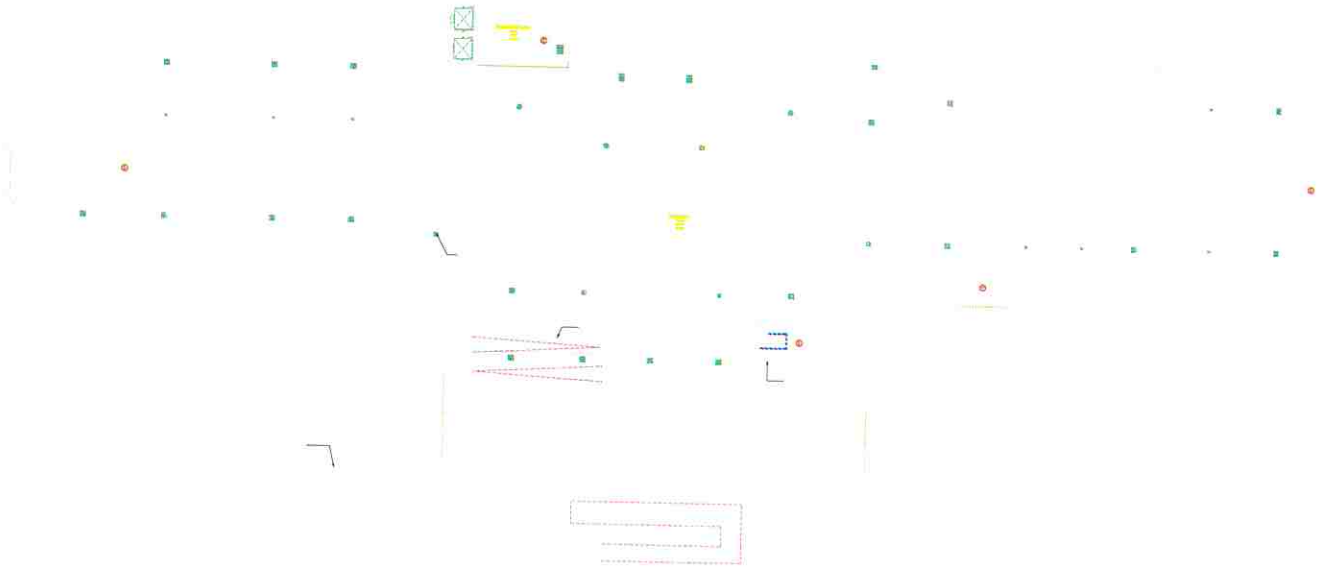
DATE: 8/3/2022 1:16:16 PM

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ELECTRICAL LAYOUT - EIGHTH LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-SKL001	REV: 07
WORK STAGE: DESIGN DEVELOPMENT - (STAGE 03)	

LEGEND	
M	ELECTRO MAGNETIC LOCK
	ACCESS CONTROL READER OUT
	ACCESS CONTROL READER IN
	INTERIOR CCTV DOME NETWORK CAMERA



1 Level 0
1 : 100

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	DESIGN	2022/05/11
01	COMMENTS FROM ARCHITECT	2022/05/26
02	COMMENTS FROM ARCHITECT	22/05/31
03	COMMENTS FROM ARCHITECT	22/06/06
04	STRUCTURAL COMPONENTS ADDED	2022/06/14
05	FIRE ESCAPE ROUTES ADJUSTED	2022/06/24
06	STRUCTURAL COMPONENTS REVISED	2022/07/20
07	BASEMENT ADDED & ARCHITECTS COMMENTS ADDED	2022/07/31

PROJECT:

CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER:	LDPWRI-10/1/1/R
REFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	31-07-2022

TITLE:

PROPOSED LIMPOPO THEATRE

SHEET CONTENT:

ELECTRONICSLAYOUT - SUB BASEMENT

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	NTS
DRAWING NUMBER:	REV
MOG-LPT-DWG-BL02	07
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)

LEGEND	
M	ELECTRO MAGNETIC LOCK
	ACCESS CONTROL READER OUT
	ACCESS CONTROL READER IN
	INTERIOR CCTV DOME NETWORK CAMERA



1 FIRST LEVEL LAYOUT
1 : 50

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	DESIGN	2022/05/11
01	COMMENTS FROM ARCHITECT	2022/05/26
02	COMMENTS FROM ARCHITECT	22/05/31
03	COMMENTS FROM ARCHITECT	22/06/06
04	STRUCTURAL COMPONENTS ADDED	2022/06/14
05	FIRE ESCAPE ROUTES ADJUSTED	2022/06/24
06	STRUCTURAL COMPONENTS REVISED	2022/07/20
07	BASEMENT ADDED & ARCHITECTS COMMENTS ADDED	2022/07/31

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 31-07-2022

TITLE:
PROPOSED LIMPOPO THEATRE

SHEET CONTENT
ELECTRONICS LAYOUT - FIRST LEVEL

DRAWN BY: MM

CHECKED BY: NHM

SCALE: NTS

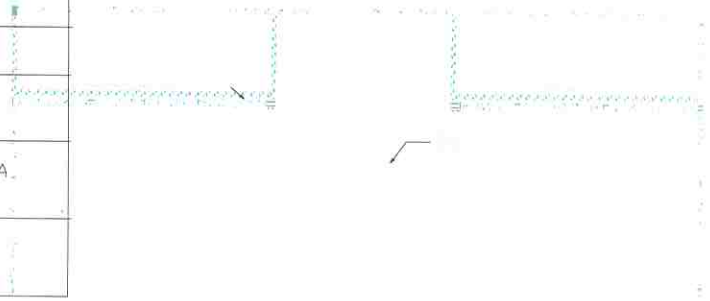
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REV: 07

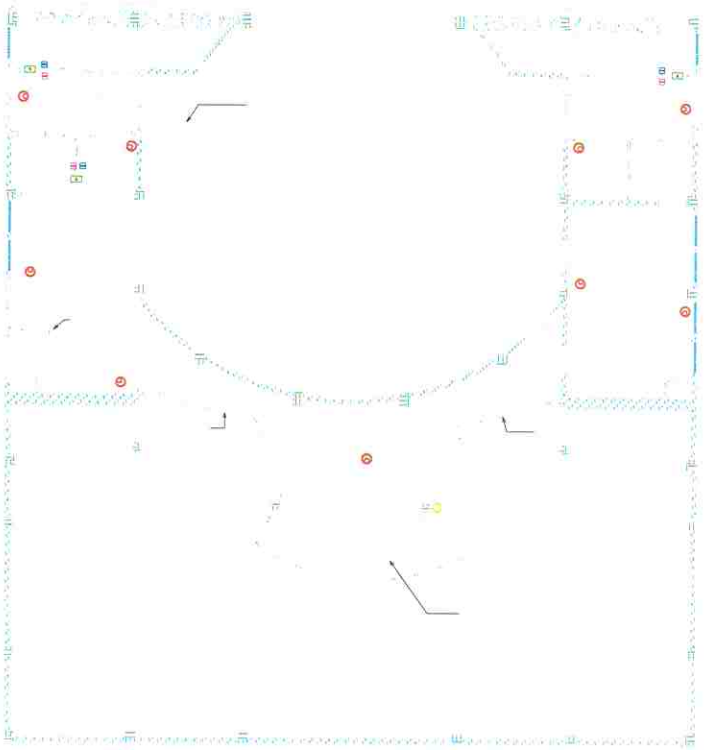
WORK STAGE: DESIGN DEVELOPMENT - (STAGE 03)

LEGEND

M	ELECTRO MAGNETIC LOCK
	ACCESS CONTROL READER OUT
	ACCESS CONTROL READER IN
	INTERIOR CCTV DOME NETWORK CAMERA









1 SECOND LEVEL LAYOUT
1 : 100

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
06	SKETCH	2022/09/01
07	COMMENTS 07/09/2022 ARCHITECTS	2022/09/26
08	COMMENTS 22/09/2022 ARCHITECTS	2022/09/27
09	COMMENTS 26/09/2022 ARCHITECTS	2022/09/30
10	STRUCTURAL COMMENTS RECEIVED	2022/10/14
11	FIRE ENGINEERS COMMENTS RECEIVED	2022/10/24
12	STRUCTURAL COMMENTS RECEIVED	2022/11/15
13	PAYMENT CERTIFICATE ISSUED AND COMMENTS FROM EMPLOYER RECEIVED	2022/11/17

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRB-10/18/R

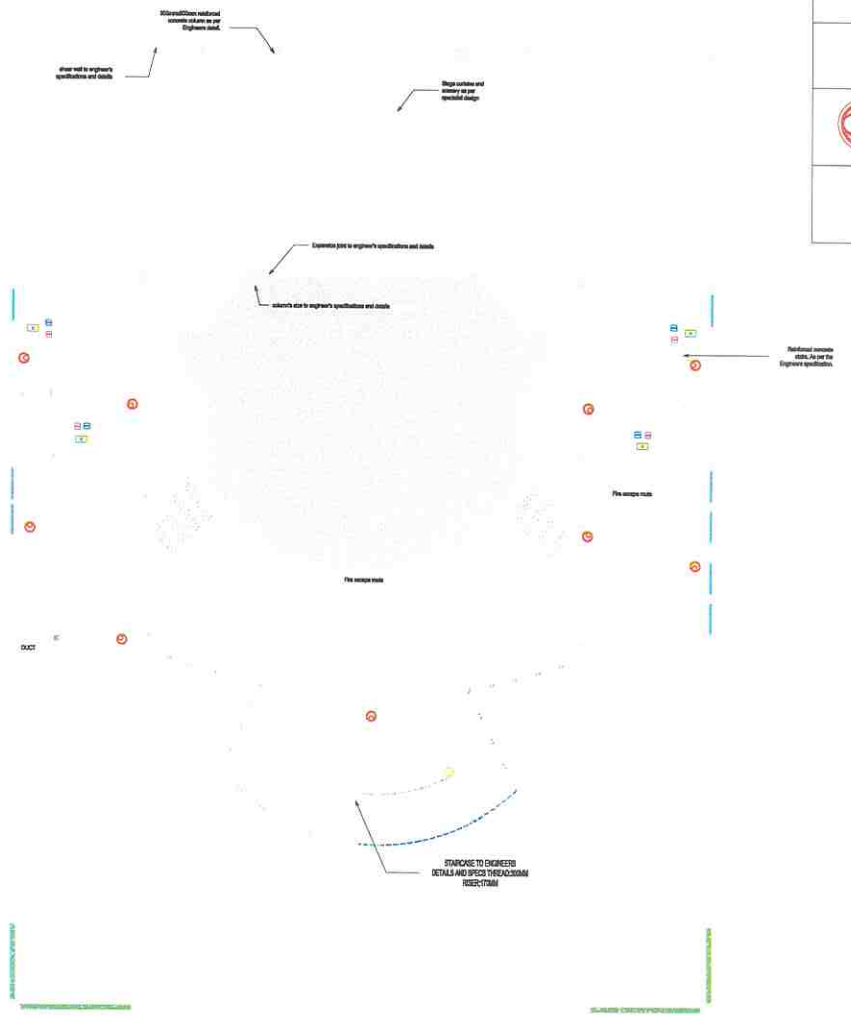
PROJECT NUMBER: TBA

DATE: 8/3/2022 1:15:00 PM

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ELECTRONICS LAYOUT - SECOND LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-02L002	REV: 07
WORK STAGE: DESIGN DEVELOPMENT - (07 AUG 22)	





LEGEND

M	ELECTRO MAGNETIC LOCK
	ACCESS CONTROL READER OUT
	ACCESS CONTROL READER IN
	INTERIOR CCTV DOME NETWORK CAMERA

NORTH

1 THIRD LEVEL LAYOUT
1 : 100

ALL DESIGN QUERIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:
MOGALEMOLE CONSULTING ENGINEERS CC

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	*	DESIGN
01	*	COMMENTS BY LDPW PROJECT MGT'S
02	*	COMMENTS BY LDPW ARCHITECTS
03	*	COMMENTS BY LDPW ARCHITECTS
04	*	STRUCTURAL COMMENTS RECEIVED
05	*	FIRE COMMENTS RECEIVED
06	*	STRUCTURAL COMMENTS REVISED
07	*	BASEMENT LEVEL NOTES AND COMMENTS FROM ARCHITECT

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-101/18

PROJECT NUMBER: TBA

DATE: 8/3/2022 1:15:30 PM

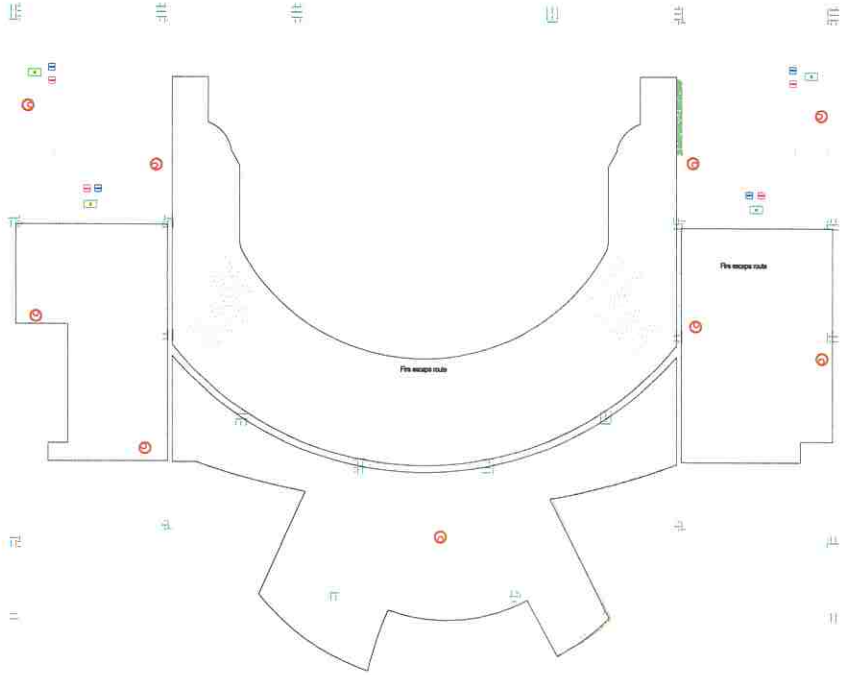
TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ELECTRONICS LAYOUT - THIRD LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-E3L002	REV: 07
WORK STAGE:	DESIGN DEVELOPMENT - (STAGE 03)

LEGEND	
M	ELECTRO MAGNETIC LOCK
	ACCESS CONTROL READER OUT
	ACCESS CONTROL READER IN
	INTERIOR CCTV DOME NETWORK CAMERA

NORTH



1 LEVEL 4 FLOOR LAYOUT
1 : 100

- ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.
- ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN

CONSULTANT:
MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	- ISSUED	2022.03.11
01	- COMMENTS RECEIVED FROM ARCHITECTS	2022.05.05
02	- COMMENTS RECEIVED FROM ARCHITECTS	2022.05.31
03	- COMMENTS RECEIVED FROM ARCHITECTS	2022.06.14
04	- STRUCTURAL COMMENTS RECEIVED	2022.06.17
05	- FIRE CONSULTANT COMMENTS RECEIVED	2022.06.24
06	- STRUCTURAL COMMENTS RECEIVED	2022.07.06
07	- ALTERNATIVE ROOF SCREENING COMMENTS FROM ARCHITECT RECEIVED	2022.07.21

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-1011/R

PROJECT NUMBER: TBA

DATE: 9/3/2022 1:16:09 PM

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ELECTRONICS LAYOUT - FOURTH LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-04-001	REV: 07
WORK STAGE: DESIGN DEVELOPMENT - (STAGE 03)	

LEGEND	
M	ELECTRO MAGNETIC LOCK
	ACCESS CONTROL READER OUT
	ACCESS CONTROL READER IN
	INTERIOR CCTV DOME NETWORK CAMERA



1 FIRST LEVEL LAYOUT

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	DESIGN	2022/05/11
01	COMMENTS FROM ARCHITECT	2022/05/26
02	COMMENTS FROM ARCHITECT	22/05/31
03	COMMENTS FROM ARCHITECT	22/06/06
04	STRUCTURAL COMPONENTS ADDED	2022/06/14
05	FIRE ESCAPE ROUTES ADJUSTED	2022/06/24
06	STRUCTURAL COMPONENTS REVISED	2022/07/20
07	BASEMENT ADDED & ARCHITECTS COMMENTS ADDED	2022/07/31

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: LDPWRI-10/1/1/R

REFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 31-07-2022

TITLE:
PROPOSED LIMPOPO THEATRE

SHEET CONTENT:
ELECTRONICS LAYOUT - FIRST LEVEL

DRAWN BY: MM

CHECKED BY: NHM

SCALE: NTS

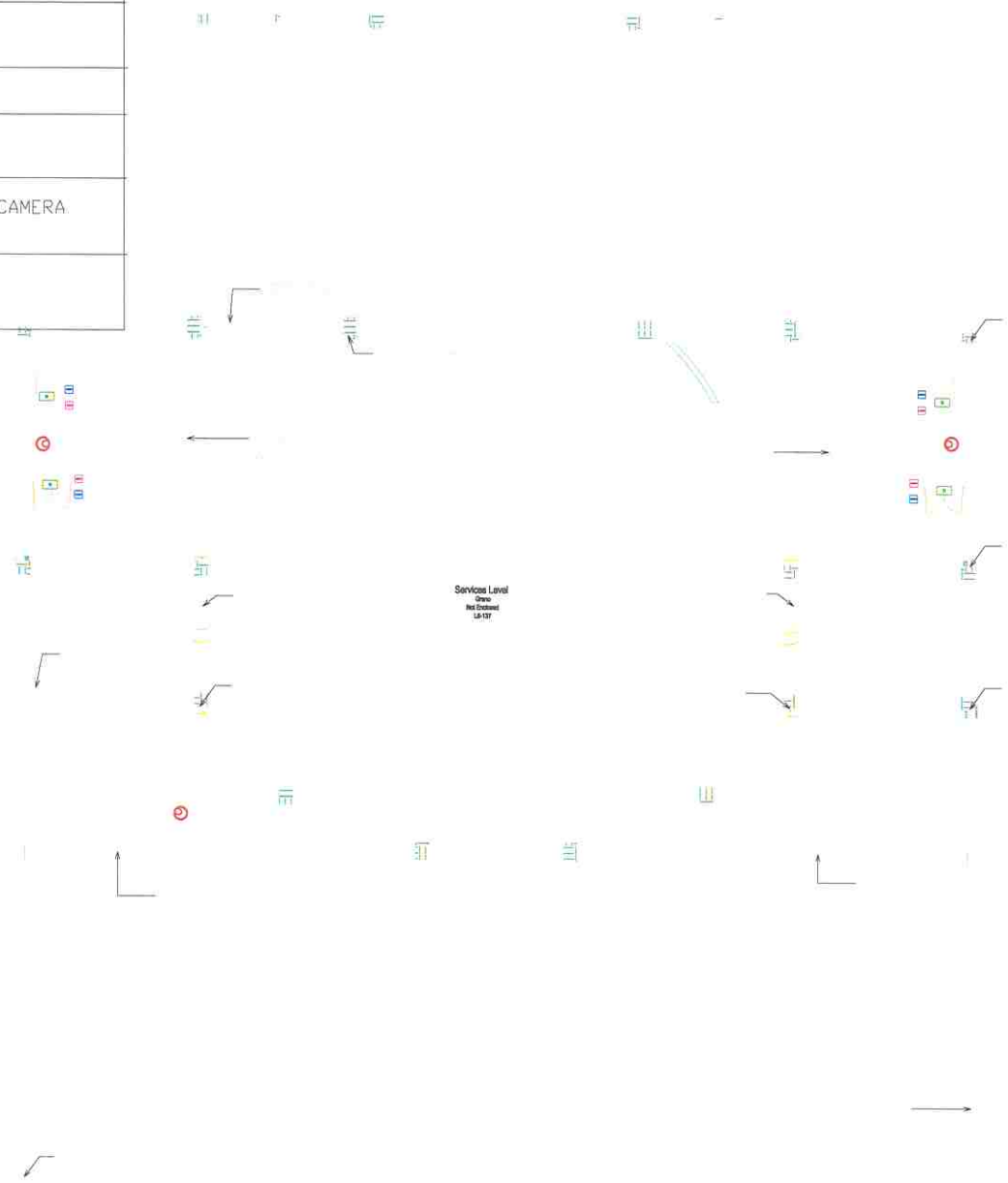
DRAWING NUMBER: MOG-LPT-DWG-01L003

REV 07

WORK STAGE DESIGN DEVELOPMENT - (STAGE 03)

LEGEND

M	ELECTRO MAGNETIC LOCK
	ACCESS CONTROL READER OUT
	ACCESS CONTROL READER IN
	INTERIOR CCTV DOME NETWORK CAMERA



1 LEVEL 6 FLOOR LAYOUT
1 : 100

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV.		DESCRIPTION	DATE
00	-	DRAWN	2022/04/12
01	-	COMMENTS BY LDPW ARCHITECTS	2022/04/28
02	-	COMMENTS BY LDPW ARCHITECTS	2022/05/31
03	-	COMMENTS BY LDPW ARCHITECTS	2022/06/06
04	-	STRUCTURAL COMPONENTS ADDED	2022/06/14
05	-	REFERENCES ADDED	2022/06/24
06	-	STRUCTURAL COMPONENTS REMOVED	2022/07/22
07	-	EQUIPMENT (EMS, ACCESS AND CCTV) & SNOW ANCHORS ADDED	2022/07/27

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT SAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/11/18

PROJECT NUMBER: TBA

DATE: 8/3/2022 1:16:14 PM

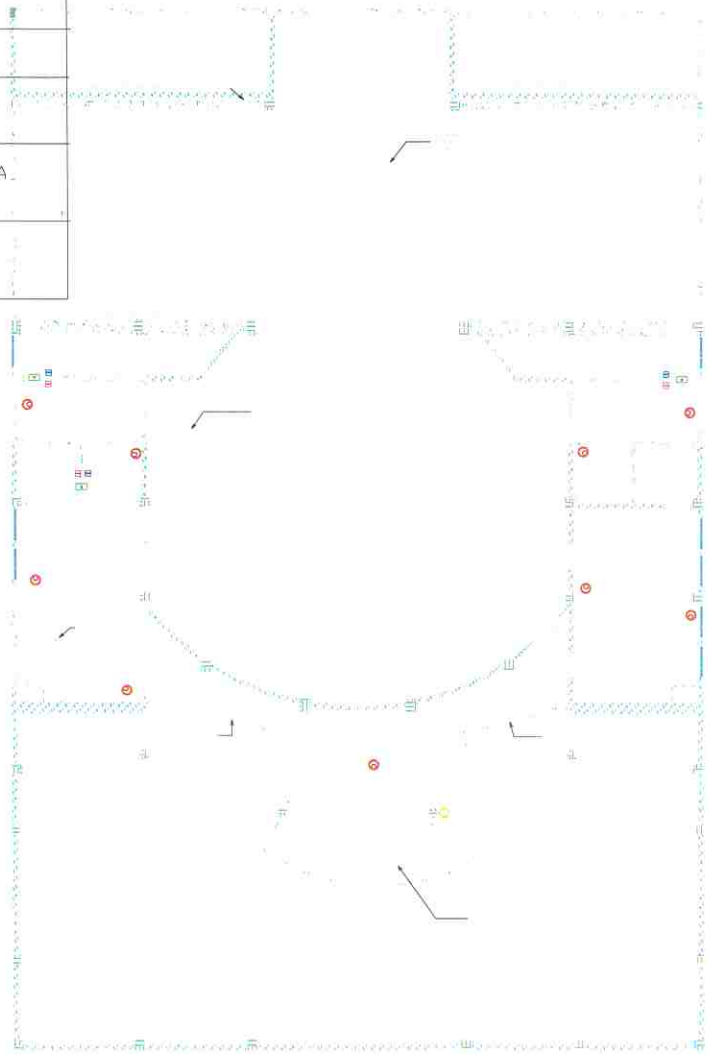
TITLE:
LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
ELECTRONICS LAYOUT - SIXTH LEVEL

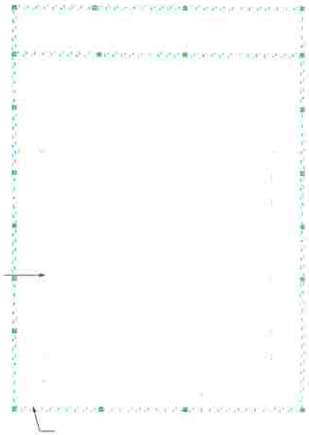
DRAWN BY:	MM
CHECKED BY:	NHM
SCALE	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-06L002	REV 07
WORK STAGE: DESIGN DEVELOPMENT - (STAGE 03)	

LEGEND

M	ELECTRO MAGNETIC LOCK
	ACCESS CONTROL READER OUT
	ACCESS CONTROL READER IN
	INTERIOR CCTV DOME NETWORK CAMERA.







1 SECOND LEVEL LAYOUT
1 : 100

-ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
00	-	2022/10/17
01	-	2022/11/16
02	-	2022/11/21
03	-	2022/12/06
04	-	2022/12/14
05	-	2022/12/21
06	-	2023/01/20
07	-	2023/01/31

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY,

REFERENCE NUMBER: LDPWRB-10/1/1-R

PROJECT NUMBER: TBA

DATE: 8/3/2022 1:15:30 PM

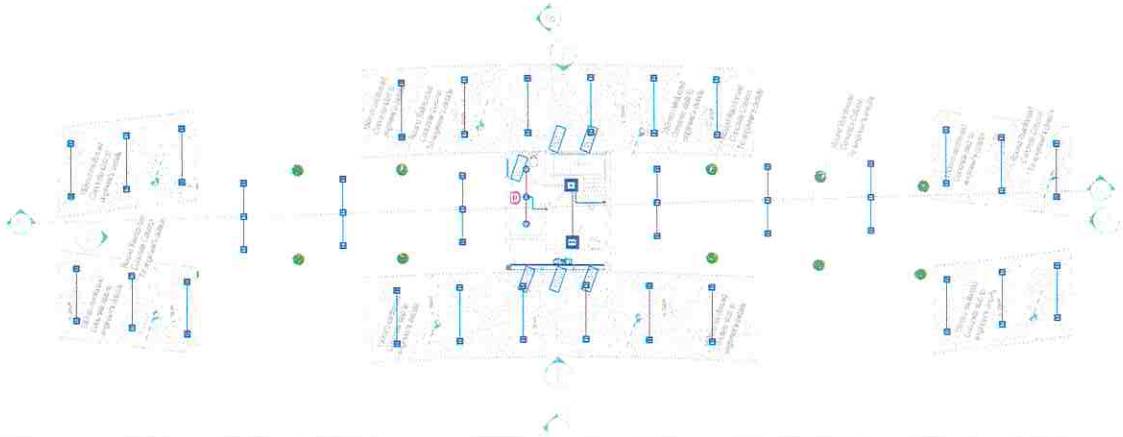
TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ELECTRONICS LAYOUT - SECOND LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-022.002	REV: 07
WORK STAGE:	DESIGN DEVELOPMENT - (STAGE 03)



1 Level 01
1 : 100



2 Section 21
1 : 100

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

MOGALE MOLE
CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	FIRST ISSUE	01-08 -2022

PROJECT:
CONSTRUCTION OF NEW LIMPOPO THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER: ACE-LT-21-

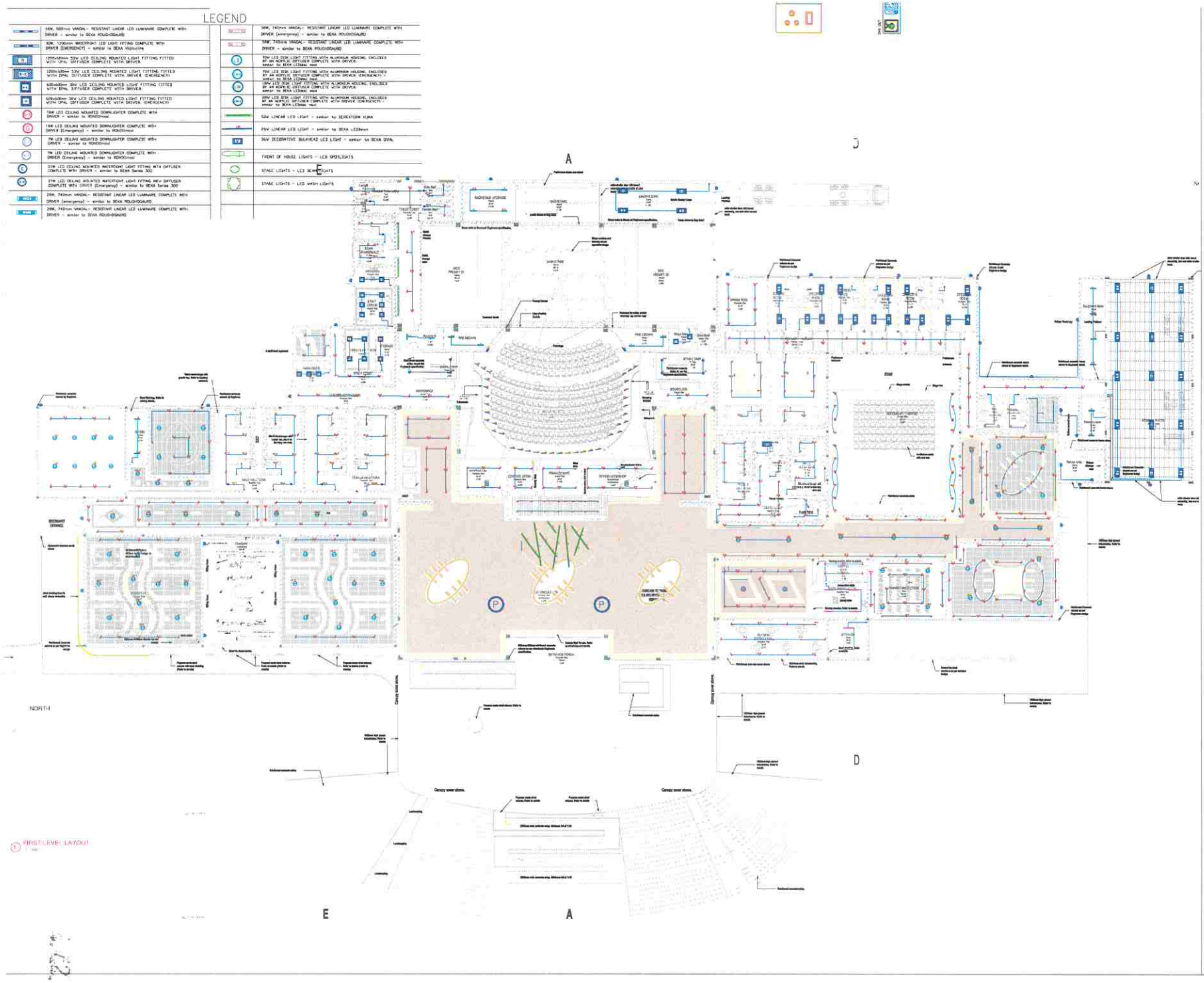
RTEFERENCE NUMBER: LDPWRI-10/1/1/R

DATE: 01-08 -2022

TITLE:
PROPOSED LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT
SECURITY GUARD HOUSE - ELECTRICAL LAYOUT

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	As Shown
DRAWING NUMBER: MOG-LPT-DWG-SB001	REV:00
WORK STAGE	DESIGN DEVELOPMENT (WORK STAGE 4)



1 FIRST LEVEL LAYOUT
1 : 100

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

CONSULTANT:

MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

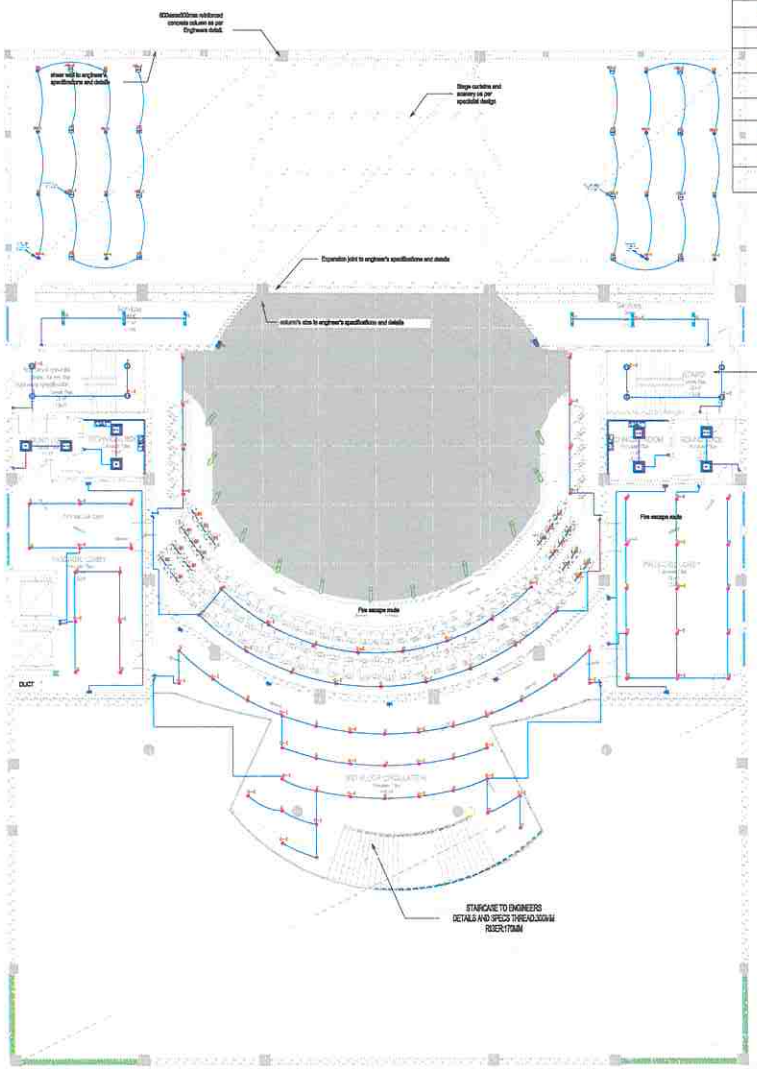
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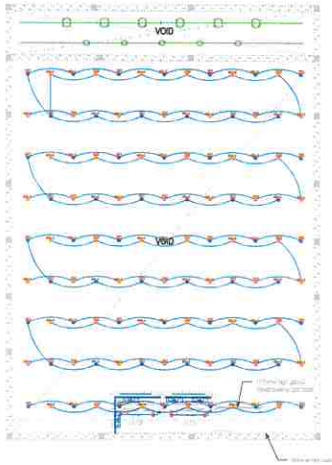
LIMPOPO PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV:	DESCRIPTION:	DATE:
00	DESIGN	2022/05/11
01	COMMENTS FROM ARCHITECT	2022/05/26
02	COMMENTS FROM ARCHITECT	22/05/31
03	COMMENTS FROM ARCHITECT	22/06/06
04	STRUCTURAL COMPONENTS ADDED	2022/06/14
05	FIRE ESCAPE ROUTES ADJUSTED	2022/06/24
06	STRUCTURAL COMPONENTS REVISED	2022/07/20
07	BASEMENT ADDED & ARCHITECTS COMMENTS ADDED	2022/07/31

PROJECT:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE,CAPRICORN DISTRICT MUNICIPALITY.

PROJECT NUMBER:	LDPWRI-10/1/1/R
REFERENCE NUMBER:	LDPWRI-10/1/1/R
DATE:	31-07-2022
TITLE:	PROPOSED LIMPOPO THEATRE
SHEET CONTENT	ELECTRICAL LAYOUT - FIRST LEVEL
DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	NTS
DRAWING NUMBER:	MOG-LPT-DWG-01L001
REV	07
WORK STAGE	DESIGN DEVELOPMENT - (STAGE 03)





LEGEND

	ONE LEVER LIGHT SWITCH
	ONE LEVER LIGHT SWITCH
	OCCUPANCY SENSOR
	PHOTO CELL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET
	SWITCHED SOCKET 15A, 3 PIN + EARTH + SHUTTER COMPLETE
	SINGLE PHASE ISOLATOR
	THREE PHASE ISOLATOR
	WORK STATION POINTS – RECESSED IN BRICK WALL TYPE: Tx/data/Computer Point, 1xDedicated Plug, 2x Standard Plug
	WORK STATION POINTS – ON POWER SKIRTING TYPE: Tx/data/Computer Point, 1xDedicated Plug, 2x Standard Plug
	LOCKABLE FLUSH MOUNTED ELECTRICAL DISTRIBUTION BOARD
	TELEPHONE POINT
	DATA/COMPUTER POINT
	3 COMPARTMENT POWER SENSITIVE COVERED BRUSHED STAINLESS STEEL
	16 AMPERE 3-PIN DOUBLE SOCKET OUTLET + UNDER COUNTER

LEGEND

	58W, 600mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHGUARD
	36W, 1200mm WATERTIGHT LED LIGHT FITTING COMPLETE WITH DRIVER (EMERGENCY) – similar to BEKA Watersline
	1200x600mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH IP44, DIFFUSER COMPLETE WITH DRIVER
	1200x600mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH IP44, DIFFUSER COMPLETE WITH DRIVER (EMERGENCY)
	600x600mm 30W LED CEILING MOUNTED LIGHT FITTING FITTED WITH IP44, DIFFUSER COMPLETE WITH DRIVER
	600x600mm 30W LED CEILING MOUNTED LIGHT FITTING FITTED WITH IP44, DIFFUSER COMPLETE WITH DRIVER (EMERGENCY)
	18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER – similar to RONDOmini
	18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) – similar to RONDOmini
	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER – similar to RONDOmini
	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) – similar to RONDOmini
	21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER – similar to BEKA Series 300
	21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER (Emergency) – similar to BEKA Series 300
	26W, 740mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) – similar to BEKA ROUGHGUARD
	26W, 740mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHGUARD
	58W, 740mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) – similar to BEKA ROUGHGUARD
	58W, 740mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHGUARD
	70W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. similar to BEKA LEDdisc new
	70W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA LEDdisc new
	35W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. similar to BEKA LEDdisc new
	35W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA LEDdisc new
	50W LINEAR LED LIGHT - similar to SENSITRON XUMA
	26W LINEAR LED LIGHT - similar to BEKA LEDbrus
	36W DECORATIVE BULKHEAD LED LIGHT - similar to BEKA 3VAL
	FRONT OF HOUSE LIGHTS - LED SPOTLIGHTS
	STAGE LIGHTS - LED BEAM LIGHTS
	STAGE LIGHTS - LED WASH LIGHTS

NORTH

-ALL DISCREPENCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

-ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT

MOGALEMOLE CONSULTING ENGINEERS CC

CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT

DEPARTMENT OF PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:

LIMPOPO PROVINCIAL GOVERNMENT

DEPARTMENT OF SPORT, ARTS & CULTURE

TELL	DESCRIPTION	DATE
01	- DESIGN	2022/04/11
02	-	2022/05/26
03	-	2022/06/28
04	-	2022/07/19
05	-	2022/08/04
06	- STRUCTURAL COMPONENTS ADDED	2022/08/15
07	- EPSS ESCAPE ROUTES ADDED	2022/08/29
08	- ELECTRICAL COMPONENTS REVISED	2022/09/05
09	- AMENDMENT TO LIFT, ACCESS AND EGRESS ROUTES AND EFFECT ACCESS	2022/09/09

PROJECT TITLE

CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA, IN POLOKWANE CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRB-10/11-19

PROJECT NUMBER: TBA

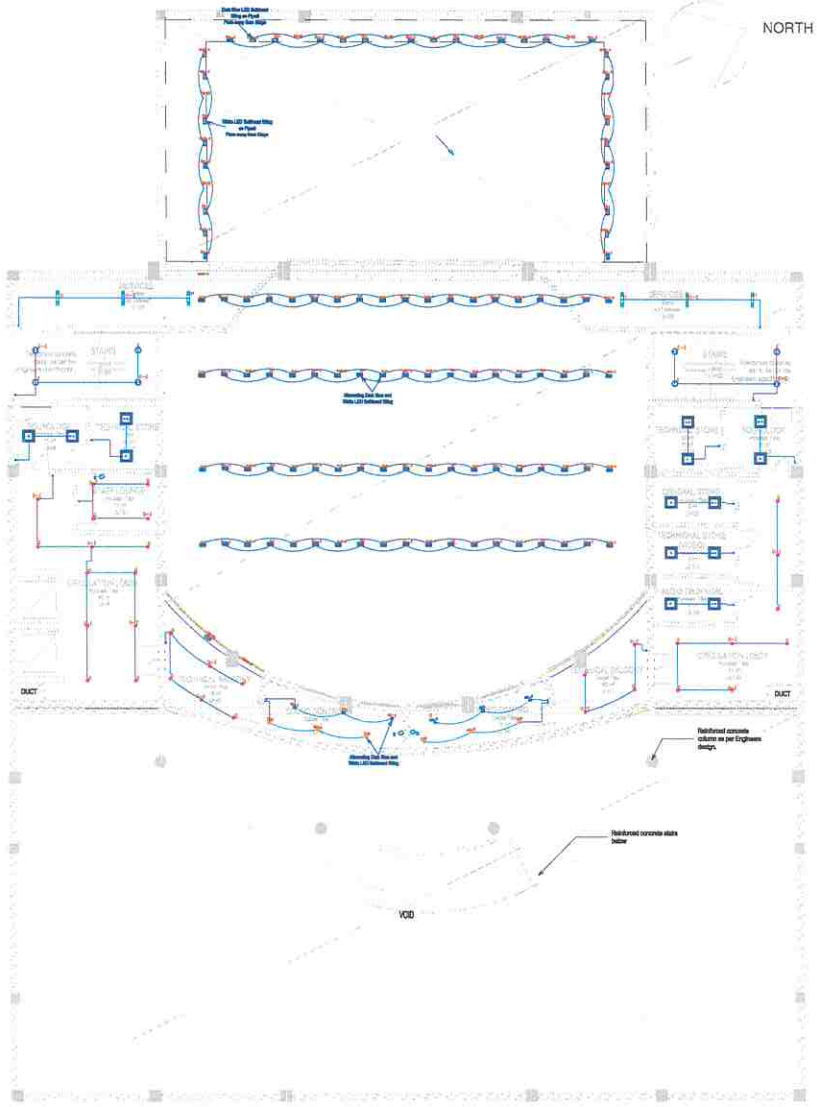
DATE: 9/2/2022 1:15:28 PM

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: ELECTRICAL LAYOUT - THIRD LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-03L001	REV: 07
WORK STAGE: DESIGN DEVELOPMENT - (STAGE 03)	

1 THIRD LEVEL LAYOUT
1 : 100



A

1 LEVEL 5 FLOOR LAYOUT
1 : 100

LEGEND

	56W, 500mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHDGAURD		56W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) - similar to BEKA ROUGHDGAURD
	50W, 1200mm WATERTIGHT LED LIGHT FITTING COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA Keeplume		56W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHDGAURD
	1200x600mm 50W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER.		70W LED 50W LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER similar to BEKA LCSMini mod
	1200x600mm 50W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER (EMERGENCY)		70W LED 50W LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA LCSMini
	600x600mm 30W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER		28W LED 50W LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER similar to BEKA LCSMini mod
	600x600mm 28W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER (EMERGENCY)		50W LED 50W LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER (EMERGENCY) - similar to BEKA LCSMini mod
	18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE with DRIVER - similar to RONDOmod		50W LINEAR LED LIGHT - similar to BERGSTERN KUMA
	18W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) - similar to RONDOmod		36W LINEAR LED LIGHT - similar to BEKA LCSMini
	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE with DRIVER - similar to RONDOmod		36W DECORATIVE BULKHEAD LED LIGHT - similar to BEKA OVAL
	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) - similar to RONDOmod		FRONT OF HOUSE LIGHTS - LED SPOTLIGHTS
	21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER - similar to BEKA Series 300		STAGE LIGHTS - LED BEAM LIGHTS
	21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER (Emergency) - similar to BEKA Series 300		STAGE LIGHTS - LED WASH LIGHTS
	28W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) - similar to BEKA ROUGHDGAURD		
	28W, 740mm VANDAL- RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER - similar to BEKA ROUGHDGAURD		

ALL DISCREPANCIES TO BE BROUGHT TO ARCHITECTS ATTENTION.

ALL DIMENSIONS TO BE CONFIRMED ON SITE.

LOCALITY PLAN:

CONSULTANT:
MOGALEMOLE CONSULTING ENGINEERS CC
ENGINEERING CONSULTANTS AND PROJECT MANAGERS

CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
PUBLIC WORKS, ROADS & INFRASTRUCTURE

USER CLIENT:
LIMPOPO PROVINCIAL GOVERNMENT
DEPARTMENT OF
SPORT, ARTS & CULTURE

REV.	DESCRIPTION	DATE
01	- 28/10/21	27/10/2021
02	- COMMENTS BY LDPW AND ARCHITECTS	2022-05-26
03	- CLARIFICATIONS BY LDPW AND ARCHITECTS	2022-06-21
04	- COMMENTS BY LDPW AND ARCHITECTS	2022-06-28
05	- STRUCTURAL COMPONENTS ADJUSTED	2022-07-19
06	- FIRE ESCAPE ROUTES ADJUSTED	2022-09-29
07	- STRUCTURAL COMPONENTS AS PER SITE	2022-10-31
08	- 01 CEMENT LEVEL ADDED AND CLARIFICATIONS FROM ARCHITECTS NOTES	2022-11-21

PROJECT TITLE:
CONSTRUCTION OF NEW LIMPOPO PROVINCIAL THEATRE AT BAKONE-MALAPA IN POLOKWANE/CAPRICORN DISTRICT MUNICIPALITY.

REFERENCE NUMBER: LDPWRI-10/11/R

PROJECT NUMBER: TDA

DATE: 8/3/2022 1:16:12 PM

TITLE: LIMPOPO PROVINCIAL THEATRE

SHEET CONTENT: POWER LAYOUT - FIFTH LEVEL

DRAWN BY:	MM
CHECKED BY:	NHM
SCALE:	1 : 100
DRAWING NUMBER: MOG-LPT-DWG-05L302	REV: 07
WORK STAGE:	DESIGN DEVELOPMENT - (STAGE 03)

LEGEND

	56W, 600mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHDGAURD	
	30W, 1200mm WATERTIGHT LED LIGHT FITTING COMPLETE WITH DRIVER (EMERGENCY) – similar to BEKA Vapourline	
B	1200x600mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER.	
B-L	1200x600mm 53W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY)	
A-E	600x600mm 30W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER.	
A	600x600mm 30W LED CEILING MOUNTED LIGHT FITTING FITTED WITH OPAL DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY)	
G-E	16W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER – similar to RONDOmaxi	
G	16W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) – similar to RONDOmaxi	
GI	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER – similar to RONDOmidi	
GI-E	7W LED CEILING MOUNTED DOWNLIGHTER COMPLETE WITH DRIVER (Emergency) – similar to RONDOmidi	
E	21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER – similar to BEKA Series 300	
E-E	21W LED CEILING MOUNTED WATERTIGHT LIGHT FITTING WITH DIFFUSER COMPLETE WITH DRIVER (Emergency) – similar to BEKA Series 300	
II-E	26W, 740mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) – similar to BEKA ROUGHDGAURD	
II	26W, 740mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHDGAURD	
	56W, 740mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER (emergency) – similar to BEKA ROUGHDGAURD	
	56W, 740mm VANDAL– RESISTANT LINEAR LED LUMINAIRE COMPLETE WITH DRIVER – similar to BEKA ROUGHDGAURD	
LD	70W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. similar to BEKA LEDdisc maxi	
LD-E	70W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY) – similar to BEKA LEDdisc maxi	
LDI	100W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. similar to BEKA LEDdisc maxi	
LDI-E	100W LED DISK LIGHT FITTING WITH ALUMINIUM HOUSING, ENCLOSED BY AN ACRYLIC DIFFUSER COMPLETE WITH DRIVER. (EMERGENCY) – similar to BEKA LEDdisc maxi	
	50W LINEAR LED LIGHT – similar to BERGSTORM KUMA	
LBI	26W LINEAR LED LIGHT – similar to BEKA LEDBeam	
W	36W DECORATIVE BULKHEAD LED LIGHT – similar to BEKA OVAL	
	FRONT OF HOUSE LIGHTS – LED SPOTLIGHTS	
	STAGE LIGHTS – LED BEAM LIGHTS	
	STAGE LIGHTS – LED WASH LIGHTS	
HB-E HB-E	100W LED HIGHBAY LIGHT FITTING – similar to BEKA ECOBay	 
BH BH	19W LED BULKHEAD LIGHT FITTING – similar to BEKABULK	
BD BD	16W LED DOWNLIGHTER LIGHT FITTING (mounted on soffit) – similar to BEKARONDO	

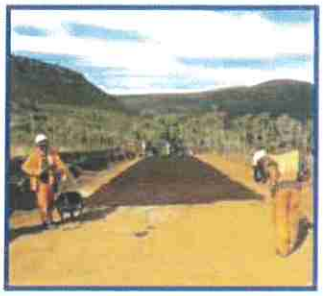
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DEPARTMENT OF
PUBLIC WORKS, ROADS
AND INFRASTRUCTURE

C4.3 EPWP SPECIFICATION

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REPUBLIC OF SOUTH AFRICA

EXPANDED PUBLIC WORKS PROGRAMME






GUIDELINES FOR THE IMPLEMENTATION OF LABOUR-INTENSIVE INFRASTRUCTURE PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP)

THIRD EDITION 2015



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EXPANDED PUBLIC WORKS PROGRAMME

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Pretoria
South Africa

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FOREWORD

The Expanded Public Works Programme (EPWP) is one of government's medium-to-long term programmes aimed at alleviating poverty and reducing unemployment. The EPWP will achieve this aim through the provision of work opportunities coupled with project based training. It is a national programme covering all spheres of government and state-owned enterprises (SOE's). The programme spans four Sectors comprising Infrastructure, Social, Non-State and Environment and Culture.

Government's medium-to-long term programmes to address unemployment include increasing economic growth, improving skills levels through education and training, and improving the enabling environment for industry to flourish. The EPWP will continue to exist until these medium-to-long term programmes are successful in reducing unemployment.

The programme involves the use of line function budgets so that government expenditure results in more work opportunities, particularly for unskilled labour. EPWP projects will therefore, be funded through the normal budgetary process, through the budgets of line-function departments, provinces and municipalities. The National Department of Public Works (NDPW) has the mandate for overall coordination of the programme.

Opportunities for implementing the EPWP have been identified in the Infrastructure; Environment and Culture; Social and Non State Sectors. In the Infrastructure sector the emphasis is on optimising the creation of work opportunities through the use of labour-intensive construction and maintenance methods. Labour-intensive construction methods involve the use of an appropriate mix of labour and machines, with a preference for labour where technically feasible and economically viable, without compromising the quality of the product.

All public bodies involved in infrastructure provision are expected to contribute to the programme. As part of this initiative, the national government has through the Division of Revenue Act (DORA) placed additional conditionalities on infrastructure grants. The grants call for increased focus in the cost efficient use of labour absorptive methodologies in the provision of infrastructure. These additional conditionalities require provinces and municipalities to use the "Guidelines for the implementation of labour-intensive infrastructure projects under the EPWP" for identification, design, construction and maintenance of assets. This document contains those guidelines.

International and local experience has shown that, with well-trained supervisory staff and an appropriate employment framework, labour-intensive methods can be used successfully for infrastructure projects such as those involving roads, sidewalks, stormwater drains, trenches, buildings, water and sanitation. On the basis of this experience, and in the context of high levels of unemployment, the national government has directed that these infrastructure projects must contribute to employment creation.

These guidelines aim to provide Government and its partners implementing Infrastructure Sector programmes/projects with the necessary tools to successfully implement these projects using Labour-Intensive Construction and Maintenance methods. These guidelines have been designed with the aim of minimising the additional work required from provincial and municipal officials. The National Department of Public Works is partnering with public and private institutions to develop the capacity of the construction industry to design and manage labour-intensive infrastructure projects successfully.

PREFACE

The guidelines contain sections which should be adapted into the relevant parts of the contract documentation for consulting engineers and contractors, based on the specific need. These sections introduce a requirement that certain construction and maintenance activities must be carried out by hand. Furthermore, client public bodies must ensure that both consultants and contractors comply with EPWP reporting frameworks. These requirements were formulated on the basis of a review of international and local experience of labour-intensive construction and maintenance, in order to identify the activities for which it is technically feasible and economically viable to use labour-intensive methods. The guidelines therefore conform to the Public Finance Management Act requirement for assessing the cost-effectiveness of capital projects. The normal tender evaluation processes should be followed when using guidelines, and it is not necessary to apply any special additional preferences for employment creation.

The guidelines include the contents of the Code of Good Practice for the Expanded Public Works Programme, 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 for the Expanded Public Works Programme, training is regarded as an important component of the EPWP. Each project should have a clear training programme for its workers to improve their work performance. Training will focus on needs and will be implemented based on a programme by programme basis.

In order to develop the capacity of the construction industry to manage labour-intensive projects, these guidelines also include an eligibility requirement for the appointment of contractors and consulting engineers, i.e. that all key staff involved in the project must undergo special NQF-accredited training programmes in labour-intensive construction at all levels.

As an additional means of addressing the capacity in the labour-intensive construction sector, NDPW together with the CETA has established a labour-intensive contractor learnership programme called the Vuk'uphile Contractor Learnership Programme. The aim of this learnership programme is to develop emerging contractors to execute work in accordance with these guidelines. As part of this learnership programme, learner contractors need to execute projects to gain practical experience under the guidance of a mentor. Partnering provinces and municipalities should allocate projects identified and designed using these guidelines to the learner contractors on a negotiated price basis in accordance with Treasury Learnerships waiver letter (obtainable from www.epwp.gov.za) from open competitive tendering of learnership projects.

Whereas during Phase 1 of the EPWP the main parameter for measuring the employment created was work opportunities, in Phase 2 another parameter, Full Time Equivalent (FTE) employment was added. FTE refers to employment that is equivalent to employing one person for one year of 230 effective working days. Employment targets were also set for government bodies based on allocated grants. Another feature that was introduced in Phase 2 of the EPWP is the Incentive Grant. This is intended to incentivise public bodies to perform beyond their EPWP targets. In EPWP Phase 3 the reporting on labour intensity (expenditure on wages expressed as a percentage of total expenditure) and quantity and impact of assets created has been introduced and is measured in accordance with the EPWP Monitoring and Evaluation (M & E) Framework.

The latest electronic version of these guidelines and electronic copies of the following documents can be downloaded from www.epwp.gov.za:

- ☐ Code of Good Practice for Employment and Conditions of Work for the Expanded Public Works Programme.
- ☐ Ministerial Determination for the Expanded Public Works Programmes issued by the Minister of Labour.
- ☐ EPWP conditions as gazetted in the Division of Revenue Act (DORA).

Amendments to the Second Edition incorporated in this Third Edition

Amendments to the text of the second edition have been made to:

i. align the text to developments and changes to EPWP policy and institutional arrangements;

ii. align the text with the requirements of the Construction Industry Development Regulations;

iii. delete text that has now become redundant; and

iv. update applicable labour conditions to EPWP workers as per the latest Ministerial Determination for EPWP.

ABBREVIATIONS

CETA: Construction Education and Training Authority

CIDB: Construction Industry Development Board

DOL: Department of Labour

ECSA: Engineering Council of South Africa

EPWP: Expanded Public Works Programme

FIDIC: French acronym for the International Federation of Consulting Engineers

FTE: Full Time Equivalent

GCC: General Conditions of Contract

JBCC: Joint Building Contracts Committee

LI: Labour Intensity

M & E: Monitoring and Evaluation

MIS: Management Information System

NDPW: National Department of Public Works

NEC: New Engineering Contract

NQF: National Qualifications Framework

QCTO: Quality Council for Trades and Occupations

SANS: South African National Standard

WO: Work Opportunities

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Actual Expenditure: the expenditure on activities implemented labour-intensively on the project by the contractor added to the expenditure by the professional service provider appointed to design and supervise the project. The actual expenditure excludes expenditure on government management and administration.

Actual Labour Intensity: Actual labour intensity = actual expenditure on wages expressed as a percentage of the total actual expenditure on activities implemented labour-intensively

Actual Output: achieved physical quantities (e.g. km or road, pipeline) corresponding to the actual expenditure.

By hand: refers to the use of tools which are manually operated and powered.

Convergence: is the fostering of synergies within and amongst sectors and programmes of the Expanded Public Works Programme (EPWP) to ensure that resources are efficiently and effectively utilised to optimise benefits for sectors, programmes, and participants.

Daywork: is work done that is paid on a daily basis in situations where it is impossible to estimate the quantity of the required input in advance. It is usually applied in situations where the quantitative measurement or setting of task including pricing is not possible.

Demographic Characteristics of Workers

The number of workers that fall within the following categories must be recorded:

	Demographic	**EPWP Target**
	Youth (i.e. 16 – 35 years of age)	55%
	Women	55%
	People with Disabilities	2%

EPWP Integrated Grant: refers to funds payable to public bodies through a conditional grant to incentivise employment creation under the EPWP.

EPWP Project: refers to a project that incorporates the following elements to the extent possible: employment creation, labour-intensive methods, local resource optimisation (only use equipment for activities that cannot be effectively done by the use of labour), quality is not compromised, skills development and transfer, community ownership, optimisation of quality cost and time, decent working conditions (fair wages, appropriate provision for safety and health and freedom of association) and lays the foundation for sustainability.

EPWP Target: refers to a target set by the National Department of Public Works specifying the number of work opportunities and FTEs that a public body should endeavour to create

Expanded Public Works Programme (EPWP): refers to a programme to provide public or community assets or services through labour-intensive approach(ies) initiated by government and funded from public resources.

Form of contract: refers to a document (conditions of contract) published by industry which establishes the rights, liabilities and obligations of the contracting parties and the procedures for the administration of the contract.

Full Time Equivalent (FTE) Employment Created: refers to one person-year of employment. One person year is equivalent to 230 person days of work. The 230 days are effective days of work after subtracting provision for non-productive days in a year (e.g. leave, holidays, etc.).

1 FTE = person days divided by 230.

Gravel: is defined (according to soil classification) as a mixture of stones (2-60mm), sand, and clay which is composed of unconsolidated rock fragments.

Green Jobs: are understood as "green" when they help reduce negative environmental impact, ultimately leading to environmentally, economically and socially sustainable enterprises and economies. Green jobs are also decent (ILO, 2015) jobs that provide adequate incomes, social protection and ensure the respect for the rights of workers. Green jobs can cover a variety of employment ranging from jobs that improve energy and raw materials efficiency, limit greenhouse gas emissions, minimize waste and pollution, protect and restore ecosystems, and support adaptation to the effects of climate change.

Group task: is a work method whereby tasks are organised on the basis of many people completing one task (to produce a defined output in a day).

Identity Documents: refers to South African identity registration document.

Labour-Intensity: refers to the expenditure on wages expressed as a percentage of the total expenditure on activities implemented labour-intensively.

Labour-intensive: refers to methods of construction and maintenance involving a mix of labour and machines without compromising on quality, where labour is the primary resource supported by plant and equipment for activities that cannot be feasibly done by labour only.

Large Project: is an infrastructure project with a value of more than R 30 million (including VAT) that involves the use of labour-intensive methods on a significant scope of the works to maximise the creation of work opportunities.

Learnership: is a structured learning programme which involves theory, practical and workplace learning and leads to a registered qualification on the National Qualifications Framework (NQF).

Ministerial Determination: refers to a determination issued by the Minister of Labour in terms of the Basic Conditions of Employment Act of 1997. It applies to Expanded Public Works Programmes. The Ministerial Determination must be read in conjunction with the Code of Good Practice for the Expanded Public Works Programme.

Person-days of Employment Created: refers to the number of people who worked on a project multiplied by the number of days each person worked.

Planned Labour Intensity: is the planned wages budget expressed as a percentage of the total planned budget for activities to be implemented labour-intensively.

Planned Output: refers to planned physical quantities (e.g. km or road, pipeline) corresponding to the planned budget.

Public body: refers to a department, state owned entity, constitutional institution, municipality, public entity or municipal entity.

Project Budget: refers to the planned budget on activities to be implemented labour-intensively + the professional fees for the professional service provider appointed to design and supervise the project. The project budget excludes government management & administration costs.

Project Wage Rate: is the daily wage (whether task-rated or time-rated) per individual. This wage rate must be inserted in the Project tender document as per the EPWP Guidelines.

Task: refers to the amount of work to be performed to a defined quantity and quality.

Task rate: refers to the amount of work to be performed by a worker to a defined quantity and quality and be completed in a working day.

Training Person-Days: is the number of people who attended training x the number of days of training per person.

Training should be reported as follows;

1. Number of people trained
2. Number of people that received accredited training
3. Number of people that received non-accredited training
4. Profile of the participants (Women, Disabled, Youth)
5. Percentage of participants who worked on the project after receiving training.

Scope of work: refers to a specification and description of the services or construction/maintenance works which are to be provided and any other requirements and constraints relating to the manner in which the contract is to be performed.

Semi-skilled work: refers to work requiring a person to have some degree of training or familiarisation with the task to be performed before being able to operate at optimal efficiency.

Sustainable Livelihoods: a livelihood comprises the capabilities, assets (including both material and social resources) and activities required for a means of living. A livelihood is sustainable when it can cope with and recover from the stresses and shocks and maintain or enhance its capabilities and assets both now and in the future without undermining the natural resource base. It is not just about the means to survive, but the capability to thrive.

Unskilled work: refers to work that does not require a person to have received prior training related to the task to be performed and being able to operate to a satisfactory standard.

Wage Rate: refers to the set wage (whether task-rated or time-rated) to be paid to a worker who completes assigned work for the day.

Work Opportunity: refers to paid work created for an individual on an EPWP project for any period of time, within the employment conditions of the Code of Good Practice for the Expanded Public Works Programme. Learnerships will also constitute work opportunities. The same individual can be employed at different times on different projects (not concurrently) and each period of employment will be counted as a work opportunity.

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1 INTRODUCTION

The objectives of implementing labour-intensive infrastructure projects under the EPWP include:

- ☐ providing employment opportunities and distribution of income through injecting some project funds into the local economy in the form of wages to local poor and unemployed people;
- ☐ providing training or skills development to locally employed workers;
- ☐ building cost-effective and quality assets.
- ☐ development of labour-intensive capacity in the construction industry.

This document is a guiding framework for the implementation of labour-intensive projects under the Expanded Public Works Programme. It provides the means by which labour-intensive works can be implemented under the most commonly encountered delivery model, namely design by employer (i.e. the model in which the contractor undertakes construction and maintenance on the basis of full designs issued by the employer.) It also assumes that the public body will appoint a consultant to design the works and to administer the contract. Local customisation of some elements of these guidelines will be necessary to accommodate other delivery models. Where no consultants are appointed, the staff of the public body needs to perform the activities assigned to consultants in this document.

The document in addition provides guidance on the:

- ☐ identification of suitable projects;
- ☐ appropriate design for labour-intensive construction/maintenance;
- ☐ specification of labour-intensive works; and
- ☐ compilation of contract documentation for labour-intensive projects.

Specific direction is given regarding contract clauses which must be included to amend or augment standard documentation, in order to implement labour-intensive projects.

These guidelines must be applied to all projects that are implemented under the EPWP. Appendix A provides sources of additional information.

The employment of locally recruited temporary workers on all EPWP labour-intensive infrastructure projects must be in accordance with the current Code of Good Practice for Employment and Conditions of Work for the Expanded Public Works Programme; issued in terms of the Basic Conditions of Employment Act, 1997 (Act No 75 of 1997) and promulgated in the Government Gazette. Extracts of this Code have been included in this Guidelines document. However, reference should be made to the full text of the latest versions of the Code of Good Practice and the related Ministerial Determination.

2 EPWP UNIVERSAL PRINCIPLES

Effective from 1 April 2014 the EPWP adopted four universal principles to guide the implementation of the programme. This is not an exhaustive list, but lays fundamental requirements that every EPWP project is expected to comply with. The M&E framework provides details on mechanisms to respond to non-compliance.

2.1 Workers Are Recruited Through a Fair and Transparent Process

The selection of each worker must be done based on a clear set of criteria and should follow a fair and transparent process to minimize patronage and abuse. The criteria for selection of participants in EPWP Phase 3 are that they:

1. Are willing and able to take up the offered work,
2. Can be categorised as poor,
3. Are unemployed or underemployed, and
4. Live close to the project area (i.e. local).

2.2 Adherence to the Minimum Wage

This principle calls for adherence to the EPWP Minimum wage and employment conditions under the EPWP Ministerial Determination. The EPWP Ministerial Determination, as revised from time to time, sets out a minimum wage and minimum conditions of employment for the EPWP and implementers must comply with its requirements. All EPWP Coordinating structures will collaborate with the DOL in monitoring compliance by implementers.

2.3 Work provides or enhances public goods or community services

The work output of each EPWP project should contribute to enhancing public goods or community services. A record of outputs forms part of reporting for all EPWP Phase 3 projects and programmes. All projects and programmes must measure and report the productivity and outputs of all work to achieve meaningful impact and ensure the state receives value for money. The M&E framework provides details of sector specific output indicators to be reported.

2.4 Compliance with minimum labour-intensity appropriate to Sector

A minimum labour-intensity benchmark appropriate to each sector has been set. Furthermore, programmes within each EPWP Sector have their own minimum labour intensity threshold. It cannot be over-emphasised that the minimum labour intensity is not the default target that should be achieved, but the lowest threshold, above which the target must be set. There is no maximum labour intensity defined as this will be dictated by the type and nature of the project. However, in any case labour intensity cannot exceed 100%.

Projects that do not comply with this standard will be supported to increase their labour intensity. However, if they still fail to achieve their minimum labour intensity they shall be excluded from the final report. Appendix D provides details of minimum labour intensity thresholds for each sector and their programmes.

3 EPWP CROSS CUTTING ISSUES

3.1 Convergence

More emphasis will be placed on convergence between sectors in the implementation of EPWP Phase 3.

The rationale for Convergence is that;

- It will build synergies within EPWP.
- It will reduce duplication and overlap of programmes.
- Convergence will reduce potential for duplicate reporting of the same work opportunities.
- Maximum benefits will be achieved in the implementation of projects through alignment of sectors and programmes within sectors.

Areas of Convergence in EPWP include the following;

- Recruitment and selection – in accordance with the standard EPWP recruitment procedures;
- Payment of stipends and wages - all sectors to pay at least the EPWP minimum wage;
- Convergence between and amongst sectors – e.g. joint planning and pooling of resources;
- Convergence between and amongst programmes within the same sector e.g. uniform norms and standards; and
- Business process convergence – e.g. planning, financing, reporting, branding.

3.2 Sustainable Livelihoods

In EPWP, Sustainable Livelihoods are supported both during participation in the programme and post participation. EPWP participants receive income to sustain themselves and their dependants. Furthermore, skills acquired from the programme can be used for future employability and/or entrepreneurship initiatives.

Infrastructure is one of the core elements of sustainable livelihoods, both during the construction and maintenance phases of the assets. It consists of changes to the physical environment that help people to meet their basic needs and to be more productive. EPWP promotion of the following components of infrastructure are essential for sustainable livelihoods:

Secure shelter and buildings;

Adequate water supply and sanitation;

Clean, affordable energy;

Access to information (communications); and

Affordable transport.

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3.3 Green Jobs

Green Jobs can be created through a deliberate choice of materials, processes and work methods that rely mainly on renewable sources.

The following are examples of infrastructure related elements that can create Green Jobs.

Green Buildings

- ❑ Retro fitting using Green materials
- ❑ Thermal Insulation to reduce energy demand
- ❑ Solar energy system
- ❑ Rain water harvesting and storage
- ❑ Water saving devices

Roads Infrastructure (Construction & Maintenance)

- ❑ Drainage structures and protection works using natural and locally-based resources
- ❑ Appropriate choice of technology and construction materials
- ❑ Non-motorised transport infrastructure e.g. Sidewalks and cycle lanes

Water

- ❑ Stormwater management infrastructure
- ❑ Irrigation infrastructure
- ❑ Water harvesting infrastructure

Energy

- ❑ Renewable energy e.g. Solar, wind, wave, hydro
- ❑ Efficient lighting (new construction and retrofitting)

Erosion Protection

- ❑ Slope Protection e.g. Grassing
- ❑ Gulley Protection e.g. Use of local rock materials
- ❑ Construction of Gabions

Waste Management

- ❑ Recycling Infrastructure

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4 RESPONSIBILITIES OF THE PUBLIC BODY

4.1 Selection of projects

The public body must implement EPWP projects not limited to the following types of infrastructure labour-intensively, in accordance with these guidelines (see Appendix B):

- ☐ roads
- ☐ sidewalks and non-motorised transport infrastructure
- ☐ stormwater drainage;
- ☐ water and sanitation
- ☐ buildings
- ☐ landscaping; and
- ☐ electricity

Where such projects contain a significant amount of the construction/maintenance activities for which the use of labour is specified, the Generic Labour-Intensive Specification in section 5.5 should be applied, i.e. excavation, loading, short-distance hauling, offloading, spreading, grassing, and stone-pitching.

The public body must be satisfied that sufficient local labour (willing to work) is available for the project, before proceeding with the project as a labour-intensive project.

The public body is expected to send its relevant managers on the applicable skills programmes in labour-intensive construction (See Appendix C).

4.2 Large Projects

A Large Project is an infrastructure project with a value of more than R 30 million (including VAT) that involves the use of labour-intensive methods on a significant scope of work to maximise the creation of work opportunities. Large projects can be singular or aggregation of smaller projects, culminating in a monetary value of at least R 30 million. For singular large projects, only the scope of works that can be implemented labour-intensively is reported under the EPWP. For aggregated large projects, the entire scope is considered to be amenable to use of labour-intensive methods. Large Projects should be designed and packaged to promote participation of small to medium term contractors.

4.3 Setting of rate of pay

In accordance with the Code of Good Practice for Employment and Conditions of Work for the Expanded Public Works Programme, the public body must set a rate of pay (not less than the minimum EPWP rate as stipulated in the Ministerial Determination) for workers to be employed on EPWP projects.

The following principles should be considered when setting rates of pay for workers:

- ☐ *The rate set should take into account wages paid for comparable unskilled work in the local area per sector, if necessary.*
- ☐ *The rate should be an appropriate wage to offer an incentive for work, to reward effort provided and to ensure the desired quality of work. It should not be more than the average local rate to ensure people are not recruited away from other employment and jobs with longer-term prospects.*

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- ☐ *Men, women, disabled persons and the aged must receive the same pay for work of equal value.*

The minimum wage is reviewed annually effective 1st November of each year. The review is based on the inflation and the new wage rate is announced six weeks before it becomes effective.

As per the Code of Good Practice for Employment and Conditions of Work for the Expanded Public Works Programme, task rates are applicable with recommended rates as shown in Appendix G.

4.4 Appointment of consulting engineers/ project managers and contractors

The public body must ensure that:

i) the design of the labour-intensive works by consultants is overseen by persons in their employ who have completed the necessary skills training (see Appendix C);

ii) works contracts are administered by persons in the employ of consultants who have completed the necessary skills training (see Appendix C); and

iii) works contracts are awarded to contractors who have in their employ managers who have completed the necessary skills training (see Appendix C).

iv) consultants are expected to sign an undertaking confirming they have complied with EPWP requirements at design and implementation stages. A sample is provided in (Appendix E).

Ideally, everyone involved in the implementation of EPWP projects should be competent in labour-intensive methods of construction and/or maintenance as necessary.

4.5 Participants' Training

Public bodies should ensure that participants employed on their EPWP projects receive accredited training whenever possible. This may be done through submission of training applications to the relevant Regional Office of the Department of Higher Education and Training. Personnel from the National Department of Public Works or Provincial Coordinating Department EPWP units will assist the Public Body to prepare and submit the training applications to relevant Provincial office of the Department of Higher Education and Training or to any other funders like SETAs.

4.6 Monitoring and Reporting

Public bodies must ensure effective monitoring of the labour-intensive activities and reporting of EPWP projects on the EPWP reporting system. For effective project monitoring, the Compliance Checklist provided in Appendix F is recommended for use by Public Bodies.

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5 CONTRACT DOCUMENTATION FOR CONSULTING ENGINEERS/ PROJECT MANAGERS AND CONTRACTORS FOR LABOUR-INTENSIVE CONSTRUCTION/MAINTENANCE PROJECTS

5.1 General

All the standard forms of contract listed in the CIDB Standard for Uniformity in Construction Procurement may be used for labour-intensive projects. It is not necessary to create new forms of contract or to amend the approved forms of contract to implement labour based works.

Requirements for labour-intensive works need to be established in the scope of works, special conditions of contract and specifications associated with contract documentation.

The approved standard forms of contract for professional services use different terms to describe the parties to the contract. These guidelines use the terms employer and consultant for the parties engaged in professional service contracts and scope of work for requirements in both professional service and construction/maintenance contracts.

5.2 Documentation for Professional Services Contracts

The scope of work must establish the manner in which the consultant is to provide the Professional services associated with labour-intensive works.

All services relating to the implementation of the works which are to be provided in terms of these Guidelines are normal services in terms of the Guideline Scope of Service and Tariff of Fees for Persons Registered in terms of the various Built Environment Professions Acts. Any changes in the design of the works to incorporate labour-intensive works should not constitute a change in scope or an additional service where the scope of work is framed around such publications.

The following must be included in the scope of works in the contract of employment with a Professional services Consultant:

Labour-intensive works

1. The Consultant shall not perform any significant portion of a project involving labour-intensive works under the direction of a staff member who has not completed the NQF level 7 unit standard "Develop and Promote Labour-Intensive Construction Strategies" or equivalent QCTO qualifications (See Appendix C).

2. The staff member of the consultant who is responsible for the administration of any works contract involving labour-intensive works must have completed the NQF level 5 unit standard "Manage Labour-Intensive Construction Projects" or equivalent QCTO qualifications (See Appendix C).

   The Consultant must provide the Employer with satisfactory evidence (e.g. letter of competency) that staff members satisfy the requirements of 1 and 2.

3. The Consultant must design and implement the construction/maintenance works in accordance with the latest version (download at www.epwp.gov.za) of Guidelines for the Implementation of the Labour-Intensive Projects under the Expanded Public Works Programme (these Guidelines) published by the National Department of Public Works. The Consultant must sign the undertaking (Appendix E) confirming they have complied with EPWP requirements at design and implementation stages.

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4. The Consultant shall, for monitoring purposes, keep monthly records and transmit to the Client data on the following indicators with regard to the EPWP projects implemented:

   - ❑ Project budget and planned output according to EPWP requirements
   - ❑ Actual Project Expenditure and actual output according to EPWP requirements
   - ❑ Planned and achieved labour intensity
   - ❑ Number of work opportunities created
   - ❑ Demographics of workers employed (disaggregated by women, youth and persons with disabilities)
   - ❑ Wage rate earned on project
   - ❑ Number of person-days of employment created
   - ❑ Copies of Identity documents of workers
   - ❑ Number of persons who have attended training including the nature and duration of training provided
   - ❑ Assets created, rehabilitated or maintained in accordance with indicators in the EPWP M & E Framework
   - ❑ Services provided or delivered in accordance with indicators in the EPWP M & E Framework

5. The values for the indicators shall be submitted to the Employer according to agreed time frames on the prescribed reporting template (from the EPWP Unit in the DPW) and obtainable from www.epwp.gov.za.

6. The Consultant shall, before certifying a contractor's payment certificate, ensure that the contractor has submitted labour information in a format and timeframe specified by the employer. If the information submitted by the contractor is inadequate the consultant shall not submit the payment certificate to the employer for payment of the relevant outputs.

7. The Consultant shall certify that the works have been completed in accordance with the requirements of the Guidelines and the Contract:

   a) whenever a payment certificate is presented to the Employer for payment; and

   b) immediately after the issuing of a practical completion certificate that signifies that the whole of the works have reached a state of readiness for occupation or use for the purposes intended although some minor work may be outstanding.

5.3 Contract Documentation for the Works

Applicable standard contract documents will apply incorporating specific EPWP/LIC conditions and specifications as outlined below.

EPWP documents and projects should be branded in accordance with the latest Corporate Identity Manual obtainable from www.epwp.gov.za

5.3.1 Notice and Invitation to tender / Conditions of tender

Public bodies must only award contracts to contractors who have demonstrated that they will have in their employ (if awarded the contract) suitably qualified senior and middle supervisory staff to supervise the labour-intensive works during the validity of the contract. Tenderers must be made aware of this requirement in tender documents. Those responsible for evaluating tenders must confirm that the contractor has signed agreements with such staff during the tender evaluation process.

The following must be included in the notice and invitation to tender: "*Only tenderers who can demonstrate that they will have in their employ staff which satisfy EPWP requirements during the contract validity are eligible to submit tenders*".	
The following must be included in the tender data in accordance with the provisions of the CIDB Standard for Uniformity in Construction Procurement:	
F.2.1	Only those tenderers who *can demonstrate that they will* have in their employ management and supervisory staff satisfying the requirements of the scope of work for labour-intensive competencies for supervisory and management staff *during the validity of the contract* are eligible to submit tenders.
F.2.18	The tenderer must submit to the Employer, names of all management and supervisory staff that will be employed to supervise the labour-intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility requirements.

5.3.2 Contract Data

The following must be included in the contract data in the contract with the Employer:

Payment for the labour-intensive component of the works

Payment for works identified in the Scope of Work as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict.

Linkage of payment for labour-intensive component of works to submission of project data

The Contractor's payment invoices shall be accompanied by labour information for the corresponding period in a format specified by the employer. If the contractor chooses to delay submitting payment invoices, labour returns shall still be submitted as per frequency and timeframe stipulated by the Employer. The contractor's invoices shall not be paid until all pending labour information has been submitted.

Applicable labour laws

The current Ministerial Determination (also downloadable at www.epwp.gov.za), Expanded Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1997 by the Minister of Labour in Government Notice , shall apply to works described in the scope of work as being labour-intensive and which are undertaken by unskilled or semi-skilled workers.

5.3.3 Scope of work

Applicable Standard specifications are to be utilised. It is necessary, however, to include certain requirements (special specifications) in the scope of works to implement labour-intensive works in accordance with the provisions of these Guidelines.

The following wording, as appropriate, must be included in the scope of work in the contract with the contractor.

DESCRIPTION OF THE WORKS

1. Employer's objectives

The employer's objectives are to deliver public infrastructure using labour-intensive methods in accordance with EPWP Guidelines.

2. Labour-intensive works

Labour-intensive works shall be constructed/maintained using local workers who are temporarily employed in terms of the scope of work.

3. 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.

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5.4 Labour Issues

In the following sections are some of the considerations that are elaborated in the Code of Good Practice for Expanded Public Works Programme:

5.4.1 Requirements for the sourcing and engagement of labour

Unskilled and semi-skilled labour required for the execution of all labour-intensive works shall be engaged strictly in accordance with prevailing legislation, in accordance with the Code of Good Practice for the Expanded Public Works Programme and the EPWP Standard Recruitment Directives.

5.4.2 Training of targeted labour

1. The contractor shall provide all the necessary 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 in a manner that does not compromise worker health and safety.
2. Accredited training should ideally be provided before commencement or during implementation of a project.
3. The cost of accredited training of targeted labour will be funded through various funding sources such as National Skills Fund from the Department of Higher Education and Training, funds from the Implementing Public body, funding from SETAS etc. This training should take place as close to the project site as practically possible. The Public Body implementing the project must ensure that training applications for participants are made by its relevant project manager assisted by relevant training officials from the National Department of Public Works.
4. The Public Body must ensure that preference of the training of participants in technical skills over life skills is made. In addition, the Public Body is required to maximize opportunities for training of participants carried out before the implementation of projects.
5. The Public Body must ensure that workers who have received training will be placed on the project to work after receiving the training.
6. If a provisional sum for training is made in the contract the contractor shall pay an allowance equal to 100% of the daily wage rate to workers who attend accredited training.

5.5 Generic Labour-Intensive Specification

The Generic Labour-intensive specification below (informed by SANS 1921-5, Construction and management requirements for works contracts - Part 5: Earthworks) covers activities which are to be performed by hand, and should be included in the scope of works without amendment or modification as set out below.

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 2 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 2 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 2: 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 end of a geological pick.	Soft	Easily dented by thumb; sharp end of a geological pick can be pushed in 30-40 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

5.6 Bill of Quantities

Labour-intensive works must be highlighted in the bills of quantities for the payment items relating to labour-intensive works. The following wording, as appropriate, should be included in the pricing Instructions and in the bills of quantities in the pricing data:

1. Those parts of the works to be constructed using labour-intensive methods should be marked in the bill of quantities with the letters LI either in a separate column or as a prefix or suffix against every item so designated (as illustrated in the table below). The works, or parts of the works so designated are to be constructed using labour-intensive methods only. The use of plant to provide such works, other than plant specifically provided for in the scope of work, is a deviation from the contract. The items marked with the letters LI are not necessarily an exhaustive list of all the activities which must be done by hand, and this clause does not over-ride any of the requirements in the generic labour-intensive specification in the Scope of Works.
2. Where minimum labour intensity is specified by the design the contractor is expected to use their initiative to identify additional activities that can be done labour-intensively in order to comply with the set minimum labour intensity target.
3. Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour-intensive methods. Any unauthorised use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
33.07LI	Removal of unsuitable material (including free-haul to 0.5km)	m^3			

6 PLANNING AND IMPLEMENTATION CHECKLIST

6.1 Design of Labour Intensive Works

Cognisance of the following should be taken in the design of labour-intensive works:

1. Project identification – Is the location of the project suitable for labour-intensive construction/maintenance methodology.
2. Earthworks must be designed taking consideration of the labour-intensive construction/maintenance methodology.
3. Vertical and horizontal alignment of the works (roads, trenches, pipelines and stormwater channels) should be such to optimise cut and fill, minimise deep or hard excavation or areas requiring specialist engineering input for example dewatering or specialist ground stabilisation.
4. During the design of gravel roads, suitable construction material should be sourced in close proximity to the site of the Works.
5. Drawings must be produced and presented in a clear easily understandable way. Where setting out information is provided in the form of coordinates it should be backed up with methods, not relying on sophisticated surveying instruments, such as offsets measurable with the use of a standard tape. Where possible, appropriate drawings should be produced using a background of ortho photos to provide for easy identification of surrounding features.
6. Is there sufficient resources within close proximity of the project – labour and material (within 150m to 5000m from project)?
7. Where the haul distance is greater than 150m, and less than 5000m the use of small volume local transport, should be considered.
8. Excavation in material which may constitute a safety hazard for workers should not be done using labour.
9. Is there any preliminary work required prior to labour-intensive construction/maintenance methods being implemented?
10. Is the design related and supportive of labour-intensive construction/maintenance methodology – such as appropriate information to facilitate manual setting out of the works or setting out information not reliant on sophisticated survey equipment.
11. All pre-manufactured materials which are incorporated into the Works must be sized such that the mass of individual elements does not exceed 320kg. Men should not lift individual loads exceeding 55kg and for women the limit is 35kg.
12. Are the materials required checked so that labour can easily work with them without unnecessary strain.
13. Stone masonry and grouted stone pitching should be included wherever suitable material is available and structurally suitable, to the exclusion of pre-cast or cast in situ concrete stormwater structures.
14. Where compaction of road layer works is required, it must be carried out using conventional compaction equipment (pedestrian rollers where possible). Compaction of small areas and in trenches may be carried out using hand stampers.
15. Consideration must be given to alternate design of gravity pipework to reduce depth of excavation.
16. Where there is an indication of local skills, e.g. bricklaying, structures should be designed to make use of such skills.
17. There are appropriate designs for labour-intensive construction/maintenance of low-cost surfacing for roads. Refer to Appendix A for further details.

18. Are the items of work on projects checked for labour-intensive construction and maintenance suitability?
19. Are there any statutory obligations required such as Environment Management Plans (EMP)?
20. Are the site safety conditions not compromised by suggested labour-intensive construction and maintenance methods and are the safety statutory requirements adequate for the number of labour employed?
21. Has the Contractor timely provided the workers with sufficient and good quality handtools?
22. Have procedures been streamlined to ensure prompt payments to the contractor, and workers respectively?
23. Are the supervisory staff suitably qualified?
24. Green Jobs - Principles of Green Jobs should be integrated in the design and implementation of various types of infrastructure. This includes materials and physical assets.
25. Is it possible to integrate elements of sustainable livelihoods.

6.2 Task Work and Inclement Weather

If work is stopped due to inclement weather the following is recommended for the EPWP task rated workers;

1. If work is stopped and workers are released they shall be paid as if the day's task was completed.

2. If work is stopped temporarily and the site agent deems it possible to still complete the task on the same day the workers shall complete their task.

3. If the workers are informed not to come to work the following and/or subsequent days they shall not be paid for the days not worked.

7 REPORTING

All EPWP projects have to be registered and progress reports submitted according to agreed formats and timeframes. Appendix H provides forms that are recommended for use by public bodies, consultants and contractors implementing the EPWP.

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8 APPENDIX A: SOURCES OF ADDITIONAL INFORMATION

The following sources provide comprehensive information in respect of the following topics:

TOPIC	REFERENCE	OBTAINABLE FROM
Alternative building technologies referred by Agrement SA	Agrement South Africa's Guideline 1, The Manufacture of BESA Blocks. Agrement Open Certificate OC-1/2003. Agrement Open Certificate OC-2/2003. CIDB. Best Practice Guidelines for Labour-based. Methods and Technologies for Employment Intensive Construction Works. Part 3: Section 2- The BESA Building System.	Agrement South Africa www.agrement@csir.co.za Construction Industry Development Board www.cidb.org.za under the section "job creation"
Brick and block making	CIDB. Best Practice Guidelines for Labour-based Methods and Technologies for Employment Intensive. Construction Works. Part 3: Section 1- Precast Concrete Products, Brick and Block Making.	Construction Industry Development Board www.cidb.org.za under the section "job creation"
Bituminous Surfacings	Methods and Procedures for Labour Enhanced Construction for Bituminous surfacings Manual 12, 2011. SABITA. Methods and Procedures Labour Enhanced Construction for Bituminous surfacings Manual 11`, March 1993. SABITA.Construction of Low Volume Sealed Roads; Good Practice Guide to Labour Based Methods, ILO A. Asare et. al. 2013.	Southern African Bitumen and Tar Association. www.epwp.gov.za
Conditions of Employment	Code of Code of Good Practice for Employment and Conditions of Work for EPWP. Ministerial Determination.	EPWP Branch of the Department of Public Works www.epwp.gov.za
Concrete Block Paved Roads	Publications by Cement and Concrete Institute. Development .Series, Number 8. Development Bank of Southern. Africa. September, 1993.	Development Bank of Southern Africa.
Concrete roads	Low-volume concrete roads by Bryan Perrie.	Cement and Concrete Institute www.cnci.org.za
Earthworks	CIDB. Best Practice Guidelines for Labour-based Methods and Technologies for Employment Intensive Construction Works. (Download from www.cidb.org.za). • Part 2: Labour-based construction methods for earth works. • Appendix 1: Quantitative Employment Data on Selected Construction Activities.	Construction Industry Development Board www.cidb.org.za under the section "job creation"

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TOPIC	REFERENCE	OBTAINABLE FROM
Labour-intensive projects and programmes	McCutcheon, RT (ed) (1993). Interim Guidelines for employment-intensive construction projects. Construction and Development Series Number 2. Midrand: Development Bank of Southern Africa, February 1993. McCutcheon, RT and Marshall J (1996). Labour-intensive Construction and Maintenance of Rural Roads : Guidelines for the Training of Road. Builders, Construction and Development Series, Number 14 (Midrand: DBSA, November 1996). McCutcheon, RT and Taylor Parkins, FLM (ed). Employment and high -standard infrastructure. Work Research Centre for Employment Creation in Construction (2003).	Development Bank of Southern Africa School of Civil Engineering, University of the Witwatersrand.
Labour productivities	CIDB. Best Practice Guidelines for Labour-based Methods and Technologies for Employment Intensive Construction Works. • Appendix 1: Quantitative Employment Data on Selected Construction Activities. Technical Briefs on Task System, ILO.	Construction Industry Development Board (CIDB) website: www.cidb.org.za under the section "job creation" www.epwp.gov.za
Minimum wages	• Wage determination for the Civil Engineering Sector. • Ministerial Determination for EPWP.	www.safcec.org.za under the section "human resources" EPWP Unit of the Department of Public Works
Monitoring the employment of workers / compliance with the provisions of SANS 1914-5	SANS 10396, Implementing Preferential Procurement Policies Using Targeted Procurement Procedures. • Annex G: Implementing employment intensive infrastructure projects which target the increase of employment opportunities generated per unit of expenditure. • Annex J: Third party management support.	Standards South Africa (division of the South African Bureau of Standards)
Pre-cast concrete works	CIDB Best Practice Guidelines for Labour-based Methods and Technologies for Employment Intensive. Construction Works. • Part 3: Section 1- Pre-cast Concrete Products, Brick and Block Making.	Construction Industry Development Board www.cidb.org.za under the section "job creation"
Preparing procurement documents	CIDB Best Practice Guidelines for Procurement C1: Preparing Procurement Documents SANS 10403, Formatting and Compilation of Construction Procurement Documents.	Construction Industry Development Board www.cidb.org.za under the section "job creation" Standards South Africa (division of the South African Bureau of Standards)
Costing Labour Based Road Works	Guidelines for Costing Labour Based Road Works. ILO. A. O. Asare, 2015.	EPWP website: www.epwp.gov.za

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TOPIC	REFERENCE	OBTAINABLE FROM
Roads	CIDB Best Practice Guidelines for Labour-based. Methods and Technologies for Employment Intensive Construction Works. • Part 2: Labour-based construction methods for earthworks. • Part 4: Section 4 - Foam bitumen gravel. • Part 4: Section 5 - Cast in-situ block pavements (hyson cells). • Part 4: Section 6 - Emulsion treated gravel. • Part 4: Section 7 - Waterbound macadam. • Part 4: Section 8 - Slurry bound and composite macadams • Part 4: Section 9 - Labour-based methods for unsealed roads. • Appendix 1: Quantitative Employment Data on Selected Construction Activities. • Construction of Low Volume Sealed Roads – Good Practice Guide to Labour-Based Methods, ILO A. Asare et. al. 2013.	Construction Industry Development Board (CIDB) website: www.cidb.org.za under the section "job creation" EPWP Website: www.epwp.gov.za
Rubble concrete masonry	CIDB Best Practice Guidelines for Labour-based. Methods and Technologies for Employment Intensive Construction Works. • Part 4: Section 2 – Rubble masonry dam construction technology. • Part 4: Section 3 – Rubble masonry concrete arch bridge construction technology.	Construction Industry Development Board www.cidb.org.za under the section "job creation"
Stormwater drainage	CIDB Best Practice Guidelines for Labour-based Methods and Technologies for Employment Intensive Construction Works. • Part 4: Section 1 – Labour-based Open Channel Flow Technology.	Construction Industry Development Board www.cidb.org.za under the section "job creation"
Technical Briefs	Principles for Project Cost Estimating, ILO. EPWP Infrastructure Project Cycle Management, ILO. Roles of Stakeholders During the Various Stages of the EPWP Project Cycle, ILO. EPWP Site Recording for Labour Intensive Projects, ILO.	www.epwp.gov.za

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TOPIC	REFERENCE	OBTAINABLE FROM
Trenches	CIDB Best Practice Guidelines for Labour-based Methods and Technologies for Employment Intensive Construction Works. (Download from www.cidb.org.za) • Part 2: Labour-based construction methods for earthworks. • Appendix 1: Quantitative Employment Data on Selected Construction Activities.	Construction Industry Development Board www.cidb.org.za under the section "job creation"
Water Provision, Sanitation, Solid Waste, and Buildings	Labour-Intensive Construction Guidelines for Water Provision, Sanitation, Solid Waste, and Buildings. ILO. D. Tshabalala et al., 2012.	EPWP Website: www.epwp.gov.za

9 APPENDIX B: TYPES OF INFRASTRUCTURE WHICH ARE SUITABLE FOR CONSTRUCTION/MAINTENANCE USING LABOUR-INTENSIVE METHODS

B.1 Roads

The following operations may be carried out using labour-intensive methods:

1. Site clearance.

2. Layer work construction/maintenance including loading, hauling and spreading material.

   Note: All compaction should be done using conventional compaction equipment and where necessary the use of heavy machinery may be employed to loosen material for excavation by hand. Where significant use of blasting is indicated, then the Works are probably not suitable for labour-intensive methods.

3. Labour-intensive methods may be used when carrying out the following operations:

   - ☐ Macadam base course either dry, water bound or emulsion bound; foamed bitumen gravel; emulsion treated gravel; or slurry bound or composite macadams.
   - ☐ Application of bitumen bound surface treatment (cold) including spreading and dragging of chips.
   - ☐ Slurry treatments to existing or new road surfaces.
   - ☐ In situ concrete roads.
   - ☐ Segmented block paved roads.
   - ☐ Cast in-situ concrete pavements (including Ultra-Thin Reinforced Concrete)
   - ☐ Hyson-cells;
   - ☐ Road markings.

4. Fencing.

5. Erection of road signs.

6. Grass maintenance.

7. Road reserve maintenance.

8. Rubble masonry bridges, culverts and retaining walls.

B.2 Stormwater

The following operations may be constructed and maintained using labour-intensive construction/maintenance methods:

1. Gabions and Reno mattresses.

2. Small diameter pre-cast concrete elements (pipes and arches).

3. Grassed or lined water channels.

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B.3 Sewers

The following operations may be constructed or maintained using labour-intensive construction/maintenance methods:

1. Sewer manholes either in brickwork or using specially manufactured pre-cast manhole rings (individual mass less than 320kg).

2. Sewer manhole covers and lids using specially designed pre-cast units.

3. Shallow maturation or facultative pond of a maximum depth of 2m.

4. Sewer pipe work, particularly small bore/ solids free sewers designed and specified to reduce trench depth.

B.4 Water

The following operations may be constructed or maintained using labour-intensive construction/ maintenance methods:

1. Laying of water pipelines, fittings and house connections in all materials (including steel) where the mass of individual pipe lengths does not exceed 320kg.

2. Construction of Ferro-cement reservoirs.

3. Excavation for membrane lined and floating roof reservoirs.

4. Construction of small masonry reservoirs.

5. Spring and well protection measures.

6. Construction of valve and hydrant boxes.

B.5 Haul of Material

Where the haul of any material does not exceed 150m, consideration should be given to the use of local resources for transporting material. This includes the use of animal drawn vehicles and small trailer combinations utilising locally sourced tractors. All loading and offloading can be done by hand.

B.6 Electricity

The following operations may be constructed using labour-intensive methods:

1. Excavation of trenches for reticulation of all voltages.

2. Excavation for and erection of poles for overhead lines.

3. Installation of all electricity cables (joints and terminations by qualified persons).

B.7 Houses, schools and clinics

Housing is seen as labour-intensive, but the number of local people that could be employed may be enhanced by one or more of the following:

1. Manufacture of masonry elements on site.

2. Excavation of all foundation trenches by hand.

3. Manufacture of roof trusses on site.

4. Alternative building technologies referred by Agrément SA.

B.8 Green Jobs

Principles of Green Jobs should be integrated in the design and implementation of various types of infrastructure mentioned in Sections B.1 to B.7. This includes materials and physical assets.

10 APPENDIX C: REQUIRED SKILLS PROGRAMMMES

C.1 Client/ Employer

It is recommended that personnel within public bodies complete skills programmes for NQF registered unit standards or equivalent QCTO qualifications, as set out in Table C.1.

Table C.1: Skills programme for client / employer staff

Personnel	NQF	Unit Standard Title	Skills Programme Description
Senior management and professionals	7	Develop and Promote Labour-Intensive Construction Strategies or equivalent QCTO qualification	Skills Programme against this single unit standard or part qualification
Middle (technical)	5	Manage Labour-Intensive Construction Projects or equivalent QCTO qualification	Skills Programme against this single unit standard or part qualification

C.2 Consultants

The person responsible for the design and documentation of the labour-intensive works, must have completed the NQF level 7 unit standard "Develop and Promote Labour-Intensive Construction Strategies" or equivalent QCTO qualification. (See Table C.2).

The Employer's Representative must have completed the NQF level 5 unit standard "Manage Labour-Intensive Construction Projects" or equivalent QCTO qualification. (See Table C.2).

Table C.2: Skills programme for consultants

Personnel	NQF	Unit standard Title	Skills Programme Description
Employer's Representative / Site Supervisor	5	Manage Labour-Intensive Construction Projects or equivalent QCTO qualification	Supervisor Skills Programme against this single unit standard or part qualification
Designer	7	Develop and Promote Labour-Intensive Construction Strategies or equivalent QCTO qualification	Skills Programme against this single unit standard or part qualification

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C.3 Contractors

The unit standards for contractors or equivalent QCTO qualification are outlined in Table C.3.

Personnel	NQF	Unit standard Titles	Skills Programme Description
Foreman / Supervisor	4	Implement Labour-Intensive Construction Systems and Techniques or equivalent QCTO qualification	This unit standard or qualification must be completed, **and**
		Use Labour-Intensive Construction Methods to Construct and Maintain Roads and Stormwater Drainage or equivalent QCTO qualification	} any one of the 3 unit standards or part qualifications must be completed
		Use Labour-Intensive Construction Methods to Construct and Maintain Water and Sanitation Services or equivalent QCTO qualification	
		Use Labour-Intensive Construction Methods to Construct, Repair and Maintain Structures or equivalent QCTO qualification	
Site Agent / Manager	5	Manage Labour-Intensive Construction Processes or equivalent QCTO qualification	Skills Programme against this single unit standard or part qualification

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11 APPENDIX D: PROGRAMMES, INDICATORS AND MINIMUM LABOUR INTENSITY TARGETS

D.1: EPWP INFRASTRUCTURE PROGRAMMES AND SUB-PROGRAMMES FOR PHASE 3

	Programmes	Sub-programmes
1.	National Youth Service (NYS)	National Youth Service - National National Youth Service - Provincial
2.	Large Projects	Roads and storm water Construction Roads and storm water Maintenance Buildings Construction Buildings Maintenance Water reticulation construction Water reticulation maintenance Bulk water supply Sewer reticulation Electrification Sanitation Other (Must be described)
3.	Municipal Infrastructure	Roads and storm water Construction Roads and storm water Maintenance Buildings Construction Buildings Maintenance Water reticulation construction Water reticulation maintenance Bulk water supply Sewer reticulation Electrification Sanitation Other (Must be described)
4.	Vuk'uphile programme	Roads and storm water Construction Roads and storm water Maintenance Buildings Construction Buildings Maintenance Water reticulation construction Water reticulation maintenance Bulk water supply Sewer reticulation Electrification Sanitation Other (Must be described)

	Programmes	Sub-programmes
5.	Provincial Roads	High volume roads construction High volume roads maintenance Low volume roads construction Low volume roads maintenance Zibambele road maintenance Iterele road maintenance Siyatentela road maintenance Household contractor road maintenance
6	Provincial Infrastructure –Non Roads	Building construction Building Maintenance Dam construction
7.	National / State Owned Enterprises	Building construction Building maintenance Dam construction Bulk water supply Sanitation Energy generation Energy transmission Other (must be described)

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D.2: INDICATORS AND RECOMMENDED LABOUR INTENSITY FOR INFRASTRUCTURE PROJECTS

A minimum labour-intensity threshold appropriate to each sector has been set. Furthermore, programmes within each sector have their own minimum labour intensity thresholds according to categories and sub-categories. It cannot be over-emphasised that the minimum labour intensity is not the default target that should be achieved, but the lowest threshold, above which the target must be set. There is no maximum labour intensity defined as this will be dictated by the type and nature of the project. However, in any case labour intensity cannot exceed 100%. Table D1 provides the minimum Labour intensity indicators for all Infrastructure Sector categories.

Table D1: Indicators and Recommended Labour Intensity for Infrastructure Projects

Category	Sub-Category	Indicators	Recommended Minimum Range of LI
Buildings	Construction	No., m^2	10-30%
	Maintenance	No., m^2	20-70%
	Landscaping	m^2	40-70%
Roads and Stormwater – High Volume	Construction/ Upgrading/ Rehabilitation	Km., lane-km	10-30%
	Maintenance – Routine	Km., lane-km, m^2	40-90%
	Maintenance – Periodic	Km., lane-km, m^2	15-40%
	Fencing	Km., m	20-50%
Roads and Stormwater – Low Volume	Construction/ Upgrading/ Rehabilitation (Gravel/ Sealed)	Km., lane-km	15-35%
	Maintenance – Routine	Km., lane-km, m^2	70-90%
	Maintenance – Periodic	Km., lane-km, m^2	20-50%
	Non-Motorized Transport/ Sidewalks (Exclusive of Rehabilitation of Structures)	Km., m^2	15-40%

Stormwater	Construction	Km.	15-30%
	Maintenance	Km.	40-90%
Water Reticulation	Construction	Km.	10-35%
Bulk Water Supply	Construction	Km.	10-25%
Sewer Reticulation	Construction	Km.	10-35%
Sanitation	Construction	No.,	10-30%
Water and Sewer Reticulation Maintenance *	Maintenance	Km., No.	15-40%
Solid Waste Management	Land Fill Sites	m^3, m^2, No.	10-25%
Electricity	Reticulation	Km., No. of Households/ Units	20-40%
	Generation	**	**
Railway	Lines Refurbishment	Km.	10-30%

* Minimum labour intensity for water and sewer reticulation Maintenance requiring heavy plant/equipment should be treated on a case by case basis.

** For energy generation the indicators and minimum labour intensity will be determined on a case by case basis as there are many options for energy generation.

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D.3: OTHER INDICATORS FOR INFRASTRUCTURE SECTOR SERVICES AND ASSETS

National Youth Service and Building Maintenance Programme

SERVICE	INDICATORS
Employment	No. of Work opportunities
Class room Training	No. of certificates issued
Work placement	No. of youth placed
Exits	No. of workshops held, youths exit

Vuk'uphile Contractor Development Programme

ASSET	INDICATORS
Employment	No. of Work opportunities
Learnership	No. of people trained
Work placement	No. of contractor entities developed
Exits	No. of learners exited

State Owned Enterprises

ASSET	INDICATORS
Water pump stations	No. of pump stations
Dams	No. of dams
Power stations and substations	No. of Power stations/substations
Railway station maintenance	No. of stations

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12 APPENDIX E: CONSULTANT'S COMPLIANCE DECLARATION

Public bodies shall use the form (E1) as a guideline for agreements with consultants responsible for designing; and (E2) for project managers supervising implementation of labour-intensive projects.

E.1: EPWP Project Design Compliance Declaration

(to be inserted in Consultancy Agreement and filled-in by Consultant[1])

Name of Implementing Agency:				FY.....	
Project Name:	.....		Project/Contract No.:	.....	
Consulting Firm:	.....		Project Manager:	.....	
Stage/ Element/ Process	**Procedure and/or Activity**	**Compliance requirement**	**Reference: EPWP Guidelines, DORA Frameworks & Business Process**		**Compliant? Yes/No**
			EPWP Clause	**Page**	
Qualification and Experience of Service Providers	Consultant Qualified in terms of EPWP Guidelines	Relevant NQF Qualification and Experience for Designers and Supervisors of LI Projects	Appendix C. Table C.2		
Design	Design compliance to EPWP	Design amenable to use of Labour-Intensive Methods			
	Labour intensity (LI)	Minimum L.I. Set & included in Tender document	Appendix D Table D1		
	Optimization of employment Creation	- Use of materials with high LI - Identification of L.I. work items in Bills of Quantities - Labour-Intensive Work Methods - Appropriate Tools and Equipment - Applicable task rates based on site conditions - Convergence with other Programmes and Sectors - Green Jobs - Sustainable Livelihoods			
Standard EPWP-complaint Tender & Contract Document	Standard EPWP-Compliant Procurement Doc. adapted to specific project	Rate of pay set by Implementing Agency in Tender Document	2.2		
		Tender Eligibility	3.3.1		

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		Contract Data	3.3.2		
		Scope of Works	3.3.3		
		Demographic requirements			
		Code of Good Practice for EPWP; Applicable labour laws, health & safety and environmental requirements	3.3.2		
		Pricing Instructions on L.I.	3.3.4		
		SANS 1914-5 Recruitment of Local Labour			
		Generic L.I. Specification			

Declaration:

I, ...(*Name of Designer*) hereby certify that the above-mentioned project has been appropriately designed; procurement documents and reporting templates prepared in accordance with the "*Code of Good Practice for EPWP*" and the latest edition of "*EPWP Guidelines for Implementation of Infrastructure projects*", in order to optimise employment creation to achieve the stipulated minimum project Labour Intensity (LI).

Signature: ..... Date: .....

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E.2.: EPWP Project Supervision Compliance Declaration

(to be inserted in Consultancy Agreement and filled-in by Consultant/Project Manager)

Name of Public Implementing Body:

..... FY.....

Project Name:	.....		Project/Contract No.:	.....	
Consulting Firm:	.....		Project Manager:	.....	
Stage/ Element/ Process	**Procedure and/or Activity**	**Compliance requirement**	**Reference: EPWP Guidelines, DORA Frameworks & Business Process**		**Compliant? Yes/No**
			EPWP Clause	**Page**	
Project Management	Supervision, Monitoring & Evaluation	Records per EPWP Reporting System	3.2		
		Registration of Project on Reporting System			
		Compliance on:			
		- Code of Good Practice for EPWP			
		- L.I items			
		- Quality standards achieved			
		- Convergence with other programmes and sectors incorporated			
		- Green Jobs Principles incorporated			
		- Sustainable Livelihood Principles incorporated			
		Certification of Works: Payment Certificates include EPWP Report	6 – Consultant Scope of works		

Declaration:

I, ...(*Name of Supervising Consultant/ Project Manager*) do certify that the project has been supervised in compliance with all EPWP requirements in accordance with the "*Code of Good Practice for EPWP*" and the latest edition of "*EPWP Guidelines for Implementation of Infrastructure projects*", have optimised employment creation and achieved the stipulated minimum project Labour Intensity (LI).

Signature: .....Date.....

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13 APPENDIX F.1: IMPLEMENTING PUBLIC BODY MONITORING COMPLIANCE TEMPLATE

EPWP Compliance Checklist to be filled in by Public Implementing Body (I.B.)

Name of Public Implementing Body: .....
FY:.....

Institutional /Business Process	Procedure and/or Activity	Compliance requirement	Reference: EPWP Guidelines, DORA Frameworks & Business Process		Compliant? Yes/No
			EPWP Clause	Page	
IDP/ Strategic Planning	Project Selection/ Prioritization	Policy Statement on Construction Method for applicable IDP Projects	2.1		
Institutional Capacity	Institutional Structure	Political & Administrative Structure in Place	EPWP Policy Guideline		
		EPWP Champion Appointed			
		EPWP made part of Key Performance Areas(KPAs) of Senior Management			
	Qualification of Staff	I.A. Staff meet qualification requirements	Annex C. Table C.1		
Supply Chain Management & Business Process/ Procedures	Qualification of Service Providers	Service Providers database : Qualification Requirements for Consultants	Annex C. Table C.2		
		EPWP-Compliant Standard documents for Appointment of Consultants	3.2; Annex C, Table C.2		
		EPWP Reporting requirements for Consultants & Contractors	3.2		
		Service Providers database : Qualification Requirements for Contractors	Annex C, Table C.3		
		Streamlined Payment Procedures			
	Standard Procurement Documents	EPWP-Compliant Standard Procurement Documents used incorporating Universal Principles, Convergence, Sustainable Livelihoods and Green Jobs.	3.3		
		EPWP Project Document- Branding	EPWP Corporate Identity Manual		
	Prioritization of EPWP Projects	Project Budget from Conditional Grants sufficient to meet EPWP Projects	DORA Conditional Grant Frameworks		
	Project List/Annual Business Plan	Employment targets estimated per project	Business Plan Annex 1.		
	Annual Procurement Plan	Aligned to EPWP Conditional Grant Framework Timelines	DORA Conditional Grant Frameworks		
Project management	Business Plan	Monitoring Plan/Templates in place	Business Plan		
		Procedure for Registration of Projects on IRS	IRS Procedure		
		Project Bill Boards have EPWP Branding			
	Payments	Timely payments for work done			
		Payment Certificates include EPWP Report	Project Compliance Checklist		

*EPWP Guidelines

Name.....Title.....Signature.....Date.....

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Appendix F.2: EPWP Business Plan Template

PROJECT LIST FOR:										
Sector	Focus Area	Project Name	Project Number	Date of approval of project	Project Budget in 201../1..	Funding from EPWP Grant	Number of WOs	Number of FTEs	Start date	End date
Official's Name:			Designation:			Signature:			Date:	

Appendix F.3: EPWP Business Process Monitoring Template

Implementing Agency:..... **FY**..... **Quarter**..... **Month**..... **Date**.....

S/N	Project name	Budget (Rand) X 1000	Budget Breakdown by Source of Funding (Rand) x 1000			Est. Employment Target				Project Status (Tick)			Labour Requirements Met? (Y/N)				Plan of Action	
			MIG	Integrated Grant	Other	Estimated		Actual to-date					UIF	COIDA	OHS	EPWP Min. Wage	Challenges	Mitigation
						WO	FTE	WO	FTE	Planning	Procurement	Implementation						

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14 APPENDIX G: TASK RATES

Appendix G 1 shows typical and indicative task rates ranges for various types of infrastructure activities. Appendix G 2 shows references to detailed information on task rates.

G.1.: TYPICAL AND INDICATIVE TASK RATES

	ACTIVITY	UNIT	TASK RATE RANGE	REMARKS
Road/Building/water and Sanitation works	Bush clearing	m^2	200 - 350	
	Clearing & Grubbing	m^2	100 - 150	
	Stump removal	No.	Day work	Depends on size
	Boulder removal	No.	Day work	Depends on size
	Excavation			
	Soft/loose soil	m^3	2.0 - 4.0	
	Medium	m^3	2.0 - 3.0	
	Stiff/Hard	m^3	1.0 - 2.0	
	Very hard	m^3	0.8 - 1.0	
	Gravel excavation	m^3	1.0 - 3.0	
	Compaction (pedestrian-ride on roller)	m^2	700 - 1000	
	Camber Formation	m^2	60 - 80	
	Loading	m^3	5 – 8	
	Unloading	m^3	8 - 10	
	Spreading /soil	m^3	12 – 15	
	Spreading/Gravel	m^3	8 – 12	
	Wet stone masonry	m^3	0.5 - 1.0	
	Stone pitching	m^2	6 - 10	
	Dry stone masonry	m^3	1.0 - 2.0	
	Gabion (including assembling & placing rocks)	m^3	1.8 - 2.0	
	Concrete/mix & place	m^3	0.5 - 1.0	
	Wheelbarrow haulage (haul distance)			
	0 - 20m	m^3	7.0 - 8.5	
	20 – 40m	"	6.5 - 7.5	
	40 – 60m	"	5.5 - 6.5	
	60 – 80m	"	5.0 - 5.5	
	80 – 100m	"	4.0 - 5.0	

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Road works	Install precast concrete culverts (excavation of trench and backfilling)			
	Ø450 mm	m	1.0 - 1.5	
	Ø 600 mm	m	0.9 - 1.2	
	Ø 900 mm	m	0.5 - 0.8	
	Paving: Concrete block placing	m^2	150 - 200	Team task (10 workers)
	Compaction/block paving units/filling joints	m^2	15 - 25	
	Lay precast kerb units/concrete beam	m	8 - 12	
	Sealing work			
	Cold mix asphalt	m^2	900 - 1,000	Team task (16 workers)
	Otta seal	m^2	5,400 - 5,500	Team task (60 workers)
	Sand seal	m^2	2,800 - 3,000	Team task (20 workers)
	Modified Otta seal (using emulsion binder)	m^2	1,300 - 1,500	Team task (16 workers)
	Ultra-thin reinforced concrete	m^2	400 - 500	Team task (25 workers)
Building works	Plastering	m^2	15 - 20	
	Brick masonry	m^3	0.7 - 1.0	
	Formwork	m^2	15 - 22	
	Ceiling work including brandering	m^2	25 - 30	
	Roof Coverings	m^2	30 - 35	
	Tiling/glazed tiles to walls	m^2	15 - 20	
	Tiling/Ceramic tiles to floors	m^2	18 - 22	
	VA tiles to floor	m^2	70 - 80	
	Glazing/4mm Clear float glass	m^2	28 - 32	
	Paint/On ceilings	m^2	30 - 34	
	On walls	m^2	35 - 40	
	On doors/door frames	m^2	15 - 20	
	On Windows with metal bars	m^2	25 - 30	
	Two coats of varnish to woodwork	m^2	30 - 35	

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Routine road maintenance	Cut grass /on verge/ side drains	m^2	100 - 150	
	Clean culvert /inlet, outfall	m^3	1.5 - 2.0	
	Clean side/mitre drains	m^3	2.0 - 3.0	
	Repair side drain erosion	m^3	3.0 - 5.0	
	Fill pot holes on carriageway	m^3	2.0 - 3.0	Gravel roads
	Fill ruts/minor gullies on carriageway	m^2	5.0 - 10	
	Grub edge/shoulder	m^2	80 - 100	
	Repair shoulder erosion	m^2	5.0 - 10	
	Repair culvert headwalls	No	Day work	

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G.2. REFERENCE TO DETAILED INFORMATION ON TASK RATES

Category	Operation	References: Source documents	Tables- Figures-	Pages
Roadwork				
Construction	Earthwork/formation	Implementing Employment Intensive Road Works – A CIDB Practice Manual, March 2007- Manual 3	Table	PP 110-111
	Earthworks	*Best practice guide labour-based methods and technologies for employment intensive construction works* January 2002 (document commissioned by the department of public works (construction industry development programme	Table G 1 & G2 Table N1 & O 1	Page 1.19 Page 1.39-41
	Earthworks	Labour-based technologies and methods for employment intensive construction works best practice guideline 2 labour-based construction methods for Earthworks April 2004	Table 1 & 2 Table 8 & 9 Table 10 Table 12	PP 3-4 Page 13 Page 14 Page 15
		Construction of Low Volume Sealed Roads – Good Practice Guide to Labour-Based Methods, ILO A. Asare et. al. 2013	Table 4-4 Table 4-17	Page 4-5 Page 4-20

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Category	Operation	References: Source documents	Tables-Figures-	Pages
	Drainage structures (Concrete & masonry works)	Implementing Employment Intensive Road Works – A CIDB Practice Manual, March 2007-Manual 5		Page 100
	Concrete block paving	*Best practice guide labour-based methods and technologies for employment intensive construction works* January 2002 (document commissioned by the department of public works (construction industry development program	Table C1 Table A 13 and 14	Page 1.15 Page 1.9
	Gravel surfacing	Implementing Employment Intensive Road Works – A CIDB Practice Manual, March 2007-Manual 3	Table -Module 6	PP 110-111
	Stone pavement	*Best practice guide labour-based methods and technologies for employment intensive construction works* January 2002 (document commissioned by the department of public works (construction industry development program	Table F 1	Page 1.18
		Construction of Low Volume Sealed Roads – Good Practice Guide to Labour-Based Methods, ILO A. Asare et. al. 2013	Table 8-23	Page 8-56
	Pavement/layer works (bituminous pavement seals)	Implementing Employment Intensive Road Works – A CIDB Practice Manual, March 2007-Manual 4	Table –Module 7	PP 90-91
		Construction of Low Volume Sealed Roads – Good Practice Guide to Labour-Based Methods, ILO A. Asare et. al. 2013	Table 5-6 Table 8-25	Page 5-23 Page 8-59 & 60

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Category	Operation	References: Source documents	Tables-Figures-	Pages
		Best practice guide labour-based methods and technologies for employment intensive construction works January 2002 (document commissioned by the department of public works (construction industry development program	Table J1 Table N1	Page 1.21 Page 1.40
	Concrete and masonry drainage works and structures	Implementing Employment Intensive Road Works – A CIDB Practice Manual, March 2007-Manual 5	Table – Module 8	Page 100
Maintenance	Road Maintenance	**Common Routine maintenance activities** Study on Enhancing Labour Intensity in the **Expanded Public Works Programme** Road Infrastructure Projects **South Africa 2012**		Page 51
		Maintenance of minor roads using the length man contractor system; Jones, T E and R C Petts, 1991. Maintenance of minor roads using the lengthman contractor system. *Fifth International Conference on Low Volume Roads, Raleigh North Carolina, 19-23 May 1991. Transportation Research Record 1291, Volume 1.* Washington DC: Transportation Research Board, National Research Council, 41-52.)	Table 1 Table 2	Page 3-4 Page 5
		Labour-based Road Works Technical Manual: Appropriate Technology Unit (ATU) Tanzania Ministry Of Works International Labour Organization (ILO) & Intech-Associates Consulting Engineers: May 1997 Productivity Standards for Routine Maintenance and Routine Maintenance Productivity Guideline	Figure D1.1 and D1.2	

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Category	Operation	References: Source documents	Tables-Figures-	Pages
	Road and drainage works	***Productivity Norms for Labour-Based Construction. ASIST Information Service Technical Brief No. 2. International Labour Organisation 1998.*** ***Includes Roadwork and drainage Productivity Norms Data from countries.***	***Tables M1-22***	
Building/ Housing related works	Various activities	*Best practice guide labour-based methods and technologies for employment intensive construction works* January 2002 (document commissioned by the department of public works (construction industry development programme)	Table-1 Table A 1-6	Page 3 PP-1.1-1.5
	Concrete and masonry drainage works and structures	Implementing Employment Intensive Road Works – A CIDB Practice Manual, March 2007-Manual 5	Table –Module 8	Page 100
Water and sanitation	Storm water drainage	*Best practice guide labour-based methods and technologies for employment intensive construction works* January 2002 (document commissioned by the department of public works (construction industry development programme)	Table H1	Page 1.20

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15 APPENDIX H: EPWP REPORTING FORMS

H.1A: NATIONAL / PROVINCIAL REGISTRATION FORM

This form refers to the project plan, before the start of the project – Not the actual project information

Field requested	Description if needed	Please complete this section
	Project name	
Public Body (National Department /Province) Reference number	*The number used by the public body to identify the project. This number has to be unique for every project*	
Project name	*The project name needs to be unique for projects*	
Project type:		Select one and mark with a X
	Provincial	
	National	
	Project location	
Province	*Indicate in which Province the project will be implemented*	
District Municipality/ Metro	*Indicate in which district/Metro Municipality the project will be implemented*	
Local Municipality / Metro region	*Indicate in which local municipality the project will be implemented*	
Primary Ward	*Indicate in which ward the project will be implemented. If the project is implemented in more than one ward, then name the wards in "describe project location"*	
Enter the name of the Municipal Area	*Indicate in which municipal area the project will be implemented*	
Describe the project location	*Short description, including the area or ward within the municipality*	
	Project Ownership and Location	
Project Ownership		Select one and mark with a X
Public Body Type	*Provincial Department*	
Project owner (Who is funding the project)	*This refers to the provincial department who is providing the money. It cannot be a metro, district or municipality.*	
Department in the public body that is responsible for the project	*This refers to the department within the provincial department*	

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Field requested	Description if needed	Please complete this section
Implementing public body type (Implementer)	*This can be the same provincial department, another provincial department, a metro, district or municipality.*	
Project implementer	*The name of the provincial department, metro, district or province*	
Implementing department	*This refers to the department within the public body who is responsible for the implementation of the project*	
Project Implementation		
Source of Reference number	*Indicate the source of the reference number.*	
IGP Registered?	*Indicate yes/no*	
If the project is IGP registered, what is the IGP reference number?	*Provide the IGP number*	
EPWP Information		
Choose EPWP Programme		Select one EPWP Programme and mark with a X
	-Not part of a programme-	
	Contractor Development	
	Facilities & Infrastructure Development Programme	
	Housing Delivery	
	Labour Based Construction Programme	
	Labour-Intensive Programme	
	EPWP Provincial	
	MIG	
	NYS Provincial	
	National Youth Service	
	Subsidised Housing	
	Vuk'uphile	
	Vukuzakhe	
	Zibambele	
	Community based	
	NGO	

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Field requested	Description if needed	Please complete this section
Project Priority		Select one priority and mark with a X
	1: Labour-intensive and training	
	2: Vuk'uphile learnership	
	3: Labour-intensive, no training	
	4: Other	
	5: Large Projects	
	6: Provincial Access Roads	
	7: EPWP Provincial Maintenance	
	8: EPWP High Volume	
Sector	*Infrastructure*	
Project sub-sector	*Please choose from the following:*	Select one sub-sector and mark with an X. If sub-sector is other, then mark with an X and provide name of "other"
	Infrastructure Roads	
	Ground Rehabilitation	
	Roads and Stormwater	
	Settlements and Services	
	Housing	
	Park Development	
	Water Infrastructure Upgrade	
	Sewer upgrade	
	Pipelines	
	Stormwater drains	
	Sidewalks	
	Multipurpose	
	Other	
	Lights Reticulation	
	Paving of parks	
	Parking lots	

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Field requested	Description if needed	Please complete this section
If Other, describe		
	Project details	
Estimated project start date	*Provide start date of the project. This is the construction start date*	
Estimated project end date	*Provide estimated project end date.*	
Please give a short project description	*Short description, no longer than one line.*	
Project type:	*Infrastructure*	
Project Environment		Select one project environment and mark with a X
	Urban	
	Rural	
	Both Urban and Non-Urban	
	Budget allocated	
Source of funds	*Which organisations will be contributing to the funding of the project? Please choose from the following:*	Select one or more sources of funds and mark with a X
	Donors	
	EPWP	
	IGP	
	Loans	
	National	
	Provincial Capital Budget	
	Provincial Department	
	Provincial Maintenance Budget	
	Up-scaling Grant	
Total Amount of budget	*Provide budget amount*	
	Project Contact in public body	
Name and Contact		
Title:	Provide information	
Surname:	Provide information	

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Field requested	Description if needed	Please complete this section
Initials:	Provide information	
E-mail address:	Provide information	
Cellular:	Provide information	
Telephone (Office):	Provide information	
Fax:	Provide information	
Cellular:	Provide information	
Physical Address:	Provide information	
Postal Address: (if different from Physical)	Provide information	

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H.1B: MUNICIPAL REGISTRATION FORM

This form refers to the project plan, before the start of the project – Not the actual project information

Field requested	Description if needed	Please complete this section
	Project name	
Public Body (Municipal) Reference number	*The number used by the public body to identify the project. This number has to be unique for every project*	
Project name	*The project name needs to be unique for projects*	
Project type:		Select one and mark with a X
	Municipal	
	Project location	
Province	*Indicate in which Province the project will be implemented*	
District Municipality/ Metro	*Indicate in which district/Metro Municipality the project will be implemented*	
Local Municipality / Metro region	*Indicate in which local municipality the project will be implemented*	
Primary Ward	*Indicate in which ward the project will be implemented. If the project is implemented in more than one ward, then name the wards in "describe project location"*	
Enter the name of the Municipal Area	*Indicate in which municipal area the project will be implemented*	
Describe the project location	*Short description, including the area or ward within the municipality*	
	Project Ownership and Location	
Project Ownership		
Public Body Type		Select one and mark with a X
Project owner (Who is funding the project)		
Department in the public body that is responsible for the project	*This refers to the department within the municipality*	
Implementing public body type (Implementer)	*This must be a district, local or metro municipality*	
Project implementer	*The municipality responsible for implementing the project.*	
Implementing department	*This refers to the department within the municipality who is responsible for the implementation of the project*	

0309

Field requested	Description if needed	Please complete this section
Project Implementation		
Source of Reference number	*Indicate the source of the reference number.*	
IDP Reference Number allocated to the project		
MIG Registered?	*Indicate yes/no*	
If the project is MIG registered, what is the MIG reference number?	*Provide the IGP number*	
EPWP Information		
Choose EPWP Programme		Select one EPWP Programme and mark with a X
	-Not part of a programme-	
	Contractor Development	
	Facilities & Infrastructure Development Programme	
	Housing Delivery	
	Labour-Based Construction Programme	
	Labour-Intensive Programme	
	EPWP Provincial	
	MIG	
	NYS Provincial	
	National Youth Service	
	Subsidised Housing	
	Vuk'uphile	
	Vukuzakhe	
	Zibambele	
	Community based	
	NGO	
Project Priority		Select one priority and mark with a X
	1: Labour-intensive and training	
	2: Vuk'uphile learnership	
	3: Labour-intensive, no training	

0310

Field requested	Description if needed	Please complete this section
	4: Other	
	5: Large Projects	
Sector:	*Infrastructure*	
Project sub-sector	*Please choose from the following:*	Select one sub-sector and mark with an X. If sub-sector is other, then mark with an X and provide name of "other"
	Infrastructure Roads	
	Ground Rehabilitation	
	Roads and Stormwater	
	Settlements and Services	
	Housing	
	Park Development	
	Water Infrastructure Upgrade	
	Sewer upgrade	
	Pipelines	
	Stormwater drains	
	Sidewalks	
	Multipurpose	
	Other	
	Lights Reticulation	
	Paving of parks	
	Parking lots	
If Other, describe		
	Project details	
Estimated project start date	*Provide start date of the project. This is the construction start date*	
Estimated project end date	*Provide estimated project end date.*	
Please give a short project description	*Short description, no longer than one line.*	
Project type:	*Infrastructure*	
Project Environment		Select one project environment and mark with a X

0311

Field requested	Description if needed	Please complete this section
	Urban	
	Rural	
	Both Urban and Non-Urban	
Budget allocated		
Source of funds	*Which organisations will be contributing to the funding of the project? Please choose from the following:*	Select one or more sources of funds and mark with a X
	District Municipality	
	Donors	
	EPWP	
	IGP	
	Loans	
	Local Municipality	
	MIG	
	National Department	
	Provincial Department	
Total Amount of budget	*Provide budget amount*	
Project Contact in public body		
Name and Contact		
Title:	Provide information	
Surname:	Provide information	
Initials:	Provide information	
E-mail address:	Provide information	
Cellular:	Provide information	
Telephone (Office):	Provide information	
Fax:	Provide information	
Cellular:	Provide information	
Physical Address:	Provide information	
Postal Address: (if different from Physical)	Provide information	

0312

H.2A: NATIONAL/PROVINCIAL SUBMISSION FORM

This form refers to the project plan, before the start of the project – Not the actual project information

Field requested	Description if needed	Comment
	Budget	
Source of funds	*Which organisations will be contributing to the funding of the project and how much will each organisation contribute? Please choose from the following:*	Budget amounts
	Donors	
	EPWP	
	IGP	
	Loans	
	National	
	Provincial Capital Budget	
	Provincial Department	
	Provincial Maintenance Budget	
	Up-scaling Grant	
What will be the annual budgets of the project?	*Per national financial year. Take into account all financial years in which this project will be active.*	Annual budget amount
	15/16	
	16 / 17	
	17 /18	
	18 /19	
	19/20	
	Milestones	
Milestone	*Will this milestone be measured (Yes / No)*	*Target Date*
Project approved		
Consultant appointed		
Detailed Design specifications approved		
Tender report approved		
Construction started		
Implementation complete		

0313

Field requested	Description if needed	Comment
EPWP Indicators		
Indicator	*Indicate Yes or No*	
Consultant contract compliant with EPW guidelines		
Contractor compliant with EPW requirements		
Exit Strategy		
Branding Compliant		
Planned EPWP Infrastructure outputs		
Output	*Tick if applicable*	*Measure in km / sqm / no etc - Indicate value i.e. km of roads to be constructed*
Km of roads constructed to standard		
Km of pipelines installed to standard		
Km of storm water drains constructed to standard		
Km of sidewalks constructed to standard		
No of bridges		
No of connections		
No of pipe / box culverts		
No of pump stations		
No of Reservoirs		
No of retention dams		
No of standpipes		
No of transfer facilities		
No of VIP's		
Sqm of bus ranks		
Sqm of community hall		
Sqm of landfill site		
Sqm of taxi ranks		
Sqm of treatment works		
Sqm of buildings		
Sqm of Grass cutting		

0314

Field requested	Description if needed	Comment
Km of fencing		
Sqm of Clinic Construction and Rehabilitation		
Number of classroom construction and rehabilitation		
Planned training		
Accredited courses		
Cost estimate	*Provide information if available*	
Number or person training days	*The total number of days for all persons to attend training*	
Number of people to attend	*The total number of people that will attend training*	
Number of women to attend	*This includes adult women and youth women*	
Number of youth to attend	*All persons aged 35 and under*	
Non-accredited		
Cost estimate	*Provide information if available*	
Number or person training days	*The total number of days for all persons to attend training*	
Number of people to attend	*The total number of people that will attend training*	
Number of women to attend	*This includes adult women and youth women*	
Number of youth to attend	*All persons aged 35 and under*	
Planned labour		
Employment generation details	Planned Number of Person days of employment	Planned Persons to be Employed
Adult men		
Adult women		
Youth men		
Youth women		
Disabled		
Planned labour		
Minimum daily wage	*As per the contract document*	R
Planned number of employees from the indigent list	*Has this public body specified that a number of persons from the indigent list have to be employed? If so, what number of persons?*	

0315

H.2B: MUNICIPAL SUBMISSION FORM

This form refers to the project plan, before the start of the project – Not the actual project information

Field requested	Description if needed	Comment
Budget		
Source of funds	*Which organisations will be contributing to the funding of the project and how much will each organisation contribute? Please choose from the following:*	Budget amounts
	District Municipality	
	Donors	
	EPWP	
	IGP	
	Loans	
	Local Municipality	
	MIG	
	National Department	
	Provincial Department	
What will be the annual budgets of the project?	*Per national financial year. Take into account all financial years in which this project will be active.*	Annual budget amount
	15/16	
	16 / 17	
	17 /18	
	18 /19	
	19/20	
Milestones		
Milestone	*Will this milestone be measured (Yes / No)*	*Target Date*
Project approved		
Consultant appointed		
Detailed Design specifications approved		
Tender report approved		
Construction started		

0316

Field requested	Description if needed	Comment
Implementation complete		
EPWP Indicators		
Indicator	*Indicate Yes or No*	
Consultant contract compliant with EPW guidelines		
Contractor compliant with EPW requirements		
Exit Strategy		
Branding Compliant		
Planned EPWP Infrastructure outputs		
Output	*Tick if applicable*	*Measure in km / sqm / no etc - Indicate value i.e. km of roads to be constructed*
Km of roads constructed to standard		
Km of pipelines installed to standard		
Km of storm water drains constructed to standard		
Km of sidewalks constructed to standard		
No of bridges		
No of connections		
No of pipe / box culverts		
No of pump stations		
No of Reservoirs		
No of retention dams		
No of standpipes		
No of transfer facilities		
No of VIP's		
Sqm of bus ranks		
Sqm of community hall		
Sqm of landfill site		
Sqm of taxi ranks		
Sqm of treatment works		
Sqm of buildings		

0317

Field requested	Description if needed	Comment
Sqm of Grass cutting		
Km of fencing		
Sqm of Clinic Construction and Rehabilitation		
Number of classroom construction and rehabilitation		
Planned training		
Accredited courses		
Cost estimate	*Provide information if available*	
Number or person training days	*The total number of days for all persons to attend training*	
Number of people to attend	*The total number of people that will attend training*	
Number of women to attend	*This includes adult women and youth women*	
Number of youth to attend	*All persons aged 35 and under*	
Non-accredited		
Cost estimate	*Provide information if available*	
Number or person training days	*The total number of days for all persons to attend training*	
Number of people to attend	*The total number of people that will attend training*	
Number of women to attend	*This includes adult women and youth women*	
Number of youth to attend	*All persons aged 35 and under*	
Planned labour		
Employment generation details	Planned Number of Person days of employment	Planned Persons to be Employed
Adult men		
Adult women		
Youth men		
Youth women		
Disabled		
Planned labour		
Minimum daily wage	*As per the contract document*	R
Planned number of employees from the indigent list	*Has this public body specified that a number of persons from the indigent list have to be employed? If so, what number of persons?*	

0318

H.3: PROGRESS REPORT FORM (NATIONAL, PROVINCIAL AND MUNICIPAL)

Data form for a 12 months period.

	April	May	June	July	August	September	October	November	December	January	February	March
Financial Report												
Expenditure for current month												
EPWP Certified Contractors												
Number of contractors												
Amount Spent												
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.	If milestone has been achieved provide the achievement date, otherwise indicate "NO" for each milestone not achieved.	If milestone has been achieved provide the achievement date, otherwise indicate "NO" for each milestone not achieved.	If milestone has been achieved provide the achievement date, otherwise indicate "NO" for each milestone not achieved.	If milestone has been achieved provide the achievement date, otherwise indicate "NO" for each milestone not achieved.	If milestone has been achieved provide the achievement date, otherwise indicate "NO" for each milestone not achieved.	If milestone has been achieved provide the achievement date, otherwise indicate "NO" for each milestone not achieved.	If milestone has been achieved provide the achievement date, otherwise indicate "NO" for each milestone not achieved.	If milestone has been achieved provide the achievement date, otherwise indicate "NO" for each milestone not achieved.	If milestone has been achieved provide the achievement date, otherwise indicate "NO" for each milestone not achieved.	If milestone has been achieved provide the achievement date, otherwise indicate "NO" for each milestone not achieved.	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												

0319

	April	May	June	July	August	September	October	November	December	January	February	March
Tender report approved												
Construction started												
Implementation complete												
Actual Outputs												
Type of output												
Quantity achieved												
Date achieved												

H.4: PARTICIPANTS INFORMATION (NATIONAL, PROVINCIAL AND MUNICIPAL)

Please provide participants information on this sheet for each month of the year.

Month of report:	
Contractor Name:	
CIPRO company registration number:	
Type of contractor:	
Project Name:	
Project Type:	
Source of Funding:	
Province:	

Physical Outputs for month:	
Project Number:	
Total Project Expenditure for month:	
Contract Number:	
Invoice Number:	
Project Start Date:	
Project End Date:	
Certified by Project Manager:	
Date of certification:	

									MONTH			
First name	Initials	Last name	I.D. Number	DOB	Gender	Has disability	Education level	Start date	Number of labour days for the month	Daily wage rate for the month the	Total wages paid for the month	Total number of training days for the Month
				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	
											0	
											0	
TOTALS (DO NOT ENTER DATA IN THIS LINE)									0		0	0

Education Levels – use the codes (1,2,3) on the excel spreadsheet

0321

(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

(7) Grade 9 (Std 7) ABET 4

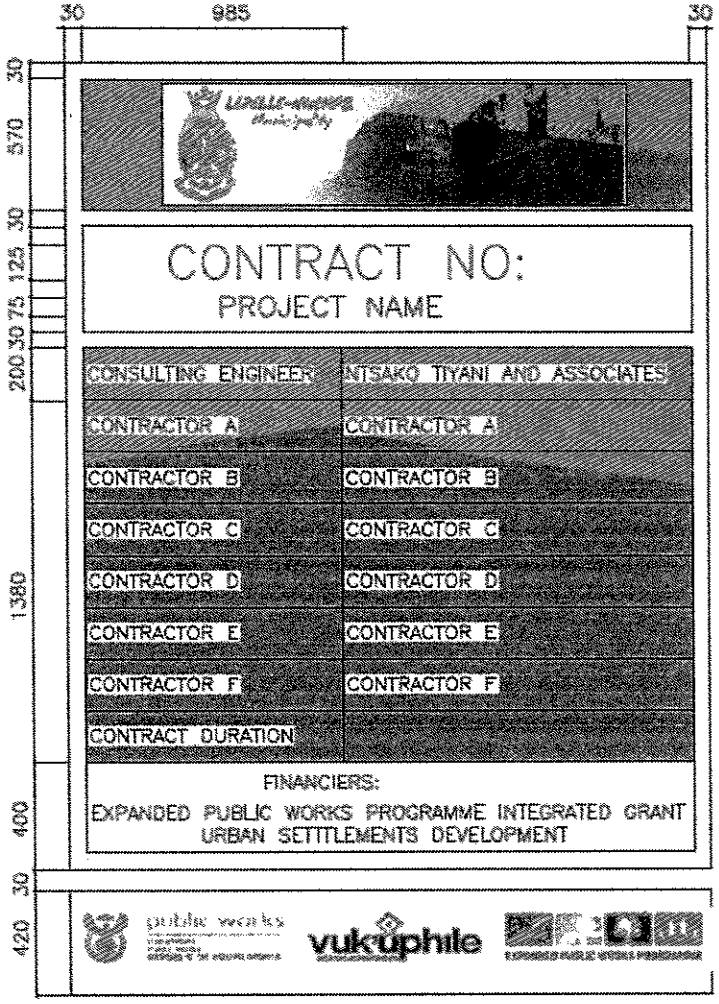
(8) Grade 10-11 (Std 8-9)

(9) Grade 12 (Std 10)

(10) Post Matric

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16 APPENDIX I: EPWP BRANDING FORMAT



17 APPENDIX J:

MINISTERIAL DETERMINATION FOR EPWP (Revised 2012)

0323

GOVERNMENT NOTICE

DEPARTMENT OF LABOUR

No. R. 347 **4 May 2012**

BASIC CONDITIONS OF EMPLOYMENT ACT, 1997

MINISTERIAL DETERMINATION 4: EXPANDED PUBLIC WORKS PROGRAMMES

I, Nelisiwe Mildred Oliphant, Minister of Labour, hereby in terms of section 50 of the Basic Conditions of Employment Act, 1997, make a Ministerial Determination establishing conditions of employment for employees in Expanded Public Works Programmes, South Africa, in the Schedule hereto and determine the second Monday after the date of publication of this notice as the date from which the provisions of the said Ministerial Determination shall become binding.

All the provisions of the Ministerial Determination: Expanded Public Works Programmes published under Government Notice R949 in Government Gazette 33665 of 22 October 2010 will be superseded by this ministerial determination with effect from the date of implementation.

NM OLIPHANT, MP
Minister of Labour
10/04/2012

SCHEDULE

MINISTERIAL DETERMINATION NO: 3 : EXPANDED PUBLIC WORKS PROGRAMMES

Index

1. Definitions
2. Application of this determination
3. Sections not applicable to public works programmes
4. Conditions

1. **Definitions**

1.1 In this determination –

"expanded public works programme" means a programme to provide public or community assets or services through a labour intensive programme initiated by government and funded from public resources.

1.2 Without limiting subsection (1), the following programmes constitute Expanded Public Works Programmes:

(a) Environment and Culture Sector Programmes including: Working for Water, Working on Fire, Working for Wetlands, People and Parks, Working for Energy, Working for Woodlands, Working for the Coast, Landcare, Working on Waste, Working for Tourism, Investing in Culture Programmes

(b) Infrastructure Sector Programmes and Projects declared part of EPWP which may include the construction, rehabilitation and maintenance of: rural and low-volume roads, storm-water drains, water reticulation, basic sanitation, footpaths, sidewalks, bicycle paths, schools and clinics.

(c) Social Sector Programmes including Early Childhood Development, Home, Community Based Care, Community Safety and other community based programmes

(d) All projects and programmes accessing the EPWP wage incentive including those implemented by Non Governmental organisations (NGO) and Community Based Organisations (CBO) and the Community Works Programme.

(e) Any other programme deemed to be part of the EPWP as determined by the Department of Public Works

2. **Application**

This Determination applies to all employers and employees engaged in expanded public works programmes.

3. **The following provisions of the Basic Conditions of Employment Act do not apply to public works programmes –**

3.1 Section 10(2) [Overtime rate]

3.2	Section 14(3)	[Remuneration required for meal intervals of longer than 75 minutes]
3.3	Section 29(h) to (p)	[Written particulars of employment]
3.4	Section 30	[Display of employee's rights]
3.5	Section 41	[Severance pay]
3.6	Section 37	[Notice of termination]
3.7	Sections 51 – 58	[Sectoral Determinations]

4. Conditions

As set out in the ANNEXURE:

ANNEXURE

CONDITIONS OF EMPLOYMENT FOR EXPANDED PUBLIC WORKS PROGRAMMES

1. Introduction

1.1 This document contains the standard terms and conditions for workers employed in elementary occupations on an Expanded Public Works Programme (EPWP). These terms and conditions do NOT apply to persons employed in the supervision and management of a SPWP.

1.2 In this document –

(a) "department" means any department of the State, implementing agent or contractor;

(b) "employer" means any department, implementing agency or contractor that hires workers to work in elementary occupations on a EPWP;

(c) "worker" means any person working in an elementary occupation on a EPWP;

(d) "elementary occupation" means any occupation involving unskilled or semi-skilled work;

(e) "management" means any person employed by a department or implementing agency to administer or execute an EPWP;

(f) "task" means a fixed quantity of work;

(g) "task-based work" means work in which a worker is paid a fixed rate for performing a task;

(h) "task-rated worker" means a worker paid on the basis of the number of tasks completed;

(i) "time-rated worker" means a worker paid on the basis of the length of time worked.

2. Terms of Work

2.1 Workers on an EPWP are employed on a temporary basis or contract basis.

3. **Normal Hours of Work**

3.1 An employer may not set tasks or hours of work that require a worker to work—

(a) more than forty hours in any week;

(b) on more than five days in any week; and

(c) for more than eight hours on any day.

3.2 An employer and worker may agree that a worker will work four days per week. The worker may then work up to ten hours per day.

3.3 A task-rated worker may not work more than a total of 55 hours in any week to complete the tasks allocated (based on a 40-hour week) to that worker.

4. **Meal Breaks**

4.1 A worker may not work for more than five hours without taking a meal break of at least thirty minutes duration.

4.2 An employer and worker may agree on longer meal breaks.

4.3 A worker may not work during a meal break. However, an employer may require a worker to perform duties during a meal break if those duties cannot be left unattended and cannot be performed by another worker. An employer must take reasonable steps to ensure that a worker is relieved of his or her duties during the meal break.

4.4 A worker is not entitled to payment for the period of a meal break. However, a worker who is paid on the basis of time worked must be paid if the worker is required to work or to be available for work during the meal break.

5. **Special Conditions for Security Guards**

5.1 A security guard may work up to 55 hours per week and up to eleven hours per day.

5.2 A security guard who works more than ten hours per day must have a meal break of at least one hour or two breaks of at least 30 minutes each.

6. **Daily Rest Period**

Every worker is entitled to a daily rest period of at least twelve consecutive hours. The daily rest period is measured from the time the worker ends work on one day until the time the worker starts work on the next day.

7. **Weekly Rest Period**

Every worker must have two days off every week. A worker may only work on their day off to perform work which must be done without delay and cannot be performed by workers during their ordinary hours of work ("emergency work").

8. **Sick Leave**

8.1 Only workers who work more than 24 hours per month have the right to claim sick-pay in terms of this clause.

8.2 A worker 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 worker has worked in terms of a contract.

8.3 A worker may accumulate a maximum of twelve days' sick leave in a year.

8.4 Accumulated sick-leave may not be transferred from one contract to another contract.

8.5 An employer must pay a task-rated worker the worker's daily task rate for a day's sick leave.

8.6 An employer must pay a time-rated worker the worker's daily rate of pay for a day's sick leave.

8.7 An employer must pay a worker sick pay on the worker's usual payday.

8.8 Before paying sick-pay, an employer may require a worker to produce a certificate stating that the worker was unable to work on account of sickness or injury if the worker is –

(a) absent from work for more than two consecutive days; or

(b) absent from work on more than two occasions in any eight-week period.

8.9 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.

8.10 A worker is not entitled to paid sick-leave for a work-related injury or occupational disease for which the worker can claim compensation under the Compensation for Occupational Injuries and Diseases Act.

9. Maternity Leave

9.1 A worker may take up to four consecutive months' unpaid maternity leave.

9.2 A worker is not entitled to any payment or employment-related benefits during maternity leave.

9.3 A worker must give her employer reasonable notice of when she will start maternity leave and when she will return to work.

9.4 A worker is not required to take the full period of maternity leave. However, a worker 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.

9.5 A worker may begin maternity leave –

(a) four weeks before the expected date of birth; or

(b) on an earlier date –

(i) if a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the worker or that of her unborn child; or

(ii) if agreed to between employer and worker; or

(c) on a later date, if a medical practitioner, midwife or certified nurse has certified that the worker is able to continue to work without endangering her health.

9.6 A worker 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.

10. **Family responsibility leave**

10.1 Workers, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances -

(a) when the employee's child is born;

(b) when the employee's child is sick;

(c) in the event of a death of –

(i) the employee's spouse or life partner;

(ii) the employee's parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling.

11. **Statement of Conditions**

11.1 An employer must give a worker a statement containing the following details at the start of employment –

(a) the employer's name and address and the name of the EPWP;

(b) the tasks or job that the worker is to perform; and

(c) the period for which the worker is hired or, if this is not certain, the expected duration of the contract;

(d) the worker's rate of pay and how this is to be calculated;

(e) the training that the worker will receive during the EPWP.

11.2 An employer must ensure that these terms are explained in a suitable language to any employee who is unable to read the statement.

11.3 An employer must supply each worker with a copy of these conditions of employment.

12. **Keeping Records**

12.1 Every employer must keep a written record of at least the following –

(a) the worker's name and position;

(b) copy of an acceptable worker identification

(c) in the case of a task-rated worker, the number of tasks completed by the worker;

(d) in the case of a time-rated worker, the time worked by the worker;

(e) payments made to each worker.

12.2 The employer must keep this record for a period of at least three years after the completion of the EPWP.

13. **Payment**

13.1 An employer must pay all wages at least monthly in cash or by cheque or into a bank account.

13.2 A worker may not be paid less than the minimum EPWP wage rate of R63.18 per day or per task. This will be adjusted annually on the 1st of November in-line with inflation (available CPI as provided by StatsSA six (6) weeks before implementation).

13.3 A task-rated worker will only be paid for tasks that have been completed.

13.4 An employer must pay a task-rated worker within five weeks of the work being completed and the work having been approved by the manager or the contractor having submitted an invoice to the employer.

13.5 A time-rated worker will be paid at the end of each month.

13.6 Payment must be made in cash, by cheque or by direct deposit into a bank account designated by the worker.

13.7 Payment in cash or by cheque must take place –

(a) at the workplace or at a place agreed to by the worker;

(b) during the worker's working hours or within fifteen minutes of the start or finish of work;

(c) in a sealed envelope which becomes the property of the worker.

13.8 An employer must give a worker the following information in writing –

(a) the period for which payment is made;

(b) the numbers of tasks completed or hours worked;

(c) the worker's earnings;

(d) any money deducted from the payment;

(e) the actual amount paid to the worker.

13.9 If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it.

13.10 If a worker's employment is terminated, the employer must pay all monies owing to that worker within one month of the termination of employment.

14. Deductions

14.1 An employer may not deduct money from a worker's payment unless the deduction is required in terms of a law.

14.2 An employer must deduct and pay to the SA Revenue Services any income tax that the worker is required to pay.

14.3 An employer who deducts money from a worker's 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.

14.4 An employer may not require or allow a worker to –

(a) repay any payment except an overpayment previously made by the employer by mistake;

(b) state that the worker received a greater amount of money than the employer actually paid to the worker; or

(c) pay the employer or any other person for having been employed.

15. Health and Safety

15.1 Employers must take all reasonable steps to ensure that the working environment is healthy and safe.

15.2 A worker must –

(a) work in a way that does not endanger his/her health and safety or that of any other person;

(b) obey any health and safety instruction;

(c) obey all health and safety rules of the EPWP;

(d) use any personal protective equipment or clothing issued by the employer;

(e) report any accident, near-miss incident or dangerous behaviour by another person to their employer or manager.

16. Compensation for Injuries and Diseases

16.1 It is the responsibility of the employers (other than a contractor) to arrange for all persons employed on a EPWP to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993.

16.2 A worker must report any work-related injury or occupational disease to their employer or manager.

16.3 The employer must report the accident or disease to the Compensation Commissioner.

16.4 An employer must pay a worker who is unable to work because of an injury caused by an accident at work 75% of their earnings for up to three months. 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.

17. Termination

17.1 The employer may terminate the employment of a worker for good cause after following a fair procedure.

17.2 A worker will not receive severance pay on termination.

17.3 A worker is not required to give notice to terminate employment. However, a worker who wishes to resign should advise the employer in advance to allow the employer to find a replacement.

17.4 A worker 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 worker may be re-engaged if a position becomes available.

17.5 A worker who does not attend required training events, without good reason, will have terminated the contract. However, the worker may be re-engaged if a position becomes available.

Certificate of Service

18.1 On termination of employment, a worker is entitled to a certificate stating –

(a) the worker's full name;

(b) the name and address of the employer;

(c) the EPWP on which the worker worked;

(d) the work performed by the worker;

(e) any training received by the worker as part of the EPWP;

(f) the period for which the worker worked on the EPWP;

(g) any other information agreed on by the employer and worker.


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REPUBLIC OF SOUTH AFRICA
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GOVERNMENT NOTICE

DEPARTMENT OF LABOUR

No. 129 **18 February 2011**

BASIC CONDITIONS OF EMPLOYMENT ACT, 1997

Code of Good Practice for employment and conditions of work for Expanded Public Works Programmes

Notice is hereby given in terms of section 87(2) of the Basic Conditions of Employment Act, 1997, that the Minister of Labour, after consulting NEDLAC, has issued under section 87(1)(a) of that Act, an amended Code of Good Practice for employment conditions for Expanded Public Works Programmes as set out in the Schedule.

The Code published under Government Notice R64 in Government Gazette 23045 of 25 January 2002 will be superseded by this Code from the date of publication.

SCHEDULE

Code of Good Practice for employment and conditions of work for Expanded Public Works Programmes

1. Preamble

1.1 Reducing unemployment is one of the greatest challenges facing South Africa. Government has undertaken a number of initiatives to address unemployment and poverty, including the promotion of labour-intensive Expanded Public Works Programmes (EPWP). An EPWP is a labour intensive programme initiated by government and funded, either fully or partially, from public resources to create a public benefit. A list of EPWP programmes is available from the Department of Public Works (DPW).

1.2 Recognising that the acquisition of skills either through accredited or experiential training forms an integral part of the EPWP.

1.3 The Code provides guidelines for the protection of workers engaged in EPWPs, taking into account the need for workers to have basic rights, the objectives of the programmes and the resource implications for government.

1.4 In addition, the Code encourages:

- Optimal use of locally-based labour in EPWP.
- A focus on targeted groups, namely women, female-headed households, youth, the disabled and households coping with HIV\AIDS.
- The empowerment of individuals and communities engaged in EPWP through the provision of training.

2. Purpose

The purpose of the Code is to:

- Provide good practice guidelines to all stakeholders involved in EPWP in respect of working conditions, payment and rates of pay, disciplinary and grievance procedures.
- Promote a common set of good practices and minimum standards in employment practices among the different EPWP sub-programmes within South Africa.

3. Application

3.1 The Code applies to all employers and to all workers hired to perform work in elementary occupations in EPWP.

3.2 Employers in EPWPs must comply with relevant legislation such as the –

- Basic Conditions of Employment Act 75 of 1997
- Labour Relations Act 66 of 1995
- Employment Equity Act 55 of 1998 (Chapters 1 & 2)
- Occupational Health and Safety Act 85 of 1993
- Compensation for Occupational Injuries and Diseases Act 130 of 1993
- Unemployment Insurance Act 63 of 2001
- Skills Development Act of 1998.

3.3 The Code does not impose any legal obligation in addition to those in the Basic Conditions of Employment Act or any other Act referred to in the Code. Its purpose is to give guidance to employers on key legal provisions in those Acts.

3.4 The Code must be read in conjunction with a Ministerial Determination for Expanded Works Programmes issued by the Minister of Labour in terms of Section 50(1) of the Basic Conditions of Employment Act and the standard terms and conditions of employment which are annexed to this Code.

3.5 The Code includes provisions for work to be task-based/service-based. In a task-based system the worker is paid a fixed rate in return for a fixed quantity of work. Tasks may be set for an individual or a group of people. Payment for work performed on a task-based system will be subject to 9.1.

4. Beneficiaries of expanded public works programmes

4.1 The beneficiaries of the programmes should be locally-based (as close to the project site as possible) individuals prepared to work on the specific EPWP.

4.2 In order to spread the benefits as broadly as possible in the community, a maximum of one person per household should be employed, taking local available labour into account.

4.3 Workers 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, workers from other communities should not exceed 20% of all persons working on a programme. A proper

skills audit should be conducted, where possible, in an area where an EPWP is in operation.

4.4 Programmes should set participation targets for employment with respect to women, youth, and people with disabilities.

4.6 The proposed targets are:

4.6.1 55% women;

4.6.2 40% youth from 16 to 35 years of age; and

4.6.3 2% people with disabilities.

4.7 EPWPs should seek to achieve these targets in all occupational categories.

5. Recommended exclusions

5.1 Persons under sixteen years of age may not be employed on EPWP.

6. Selection of Workers

6.1 The local community, through all structures available, must be informed of and consulted about the establishment of any EPWP.

6.2 Members of the community who are unemployed and who form part of the targeted groups will be given an opportunity to apply for work.

6.3 Preference must be given to the targeted groups in selecting workers.

6.4 In addition the following criteria are suggested to help target the poorest of the poor:

6.4.1 People who come from households where the head of the household has less than a primary school education;

6.4.2 People who come from households that have less than one full time person earning an income;

6.4.3 People who come from households where subsistence agriculture is the source of income.

7. Maximising Participation

7.1 Expanded Public Works Programmes seek to provide as many people as possible with the opportunity to participate in the programme.

7.2 Work should be distributed amongst the unemployed as practically and equitably as possible.

8. Forced labour is prohibited

8.1 No forced labour is permitted on an EPWP.

8.2 Forced labour includes forms of coercion such as patronage or demanding sexual or other kinds of favours for work.

8.3 Programmes should monitor whether or not there is forced labour, particularly when intermediaries such as labour contractors or management agencies are involved.

9. Payment

9.1 Employers must pay workers at least the minimum rate as stipulated in the Ministerial Determination: Expanded Public Works Programme

9.2 Workers can be paid on the basis of the number of tasks completed. These workers are referred to as "task-rated workers". Alternatively, workers can be paid on a daily rate.

9.3 There are jobs where it is not possible to pay workers on the basis of tasks performed. These workers must be paid on the basis of the amount of time they worked. They are referred to as "time-rated workers".

9.4 On the task-based system, a worker is paid for each task completed or part thereof.

9.5 If workers are informed a day before that work will not take place the next day, they should not be entitled to any payment.

9.6 Workers will be paid a training allowance in case they are required to attend agreed training programmes. This should be equal to 100% of the daily task rate for task-rate workers or 100% of the daily rate of pay for time-rated workers. All the costs of training will be covered, for example, travel, trainers, material, tuition fees.

9.7 Where a worker participates in a learnership the relevant learnership determination must be used to determine the training allowance whilst on training.

9.8 Each worker must be given written particulars of employment and verbal explanations in an appropriate language of their rate of pay and how this is to be calculated.

9.9 Where a project is completed earlier than anticipated the worker should receive the full agreed remuneration for the stipulated period of the contract if the pay for the task was to be calculated on the basis of time. Where such work was to be performed on a task-based system, the full agreed remuneration for the task should be paid for early completion.

10. Hours of Work

10.1 Normal hours of work, as is customary in the applicable sector, apply but limited to 40-hours a week.

10.2 For task-based workers tasks must be set based on a 40-hour week in which the workers work five 8-hour days, excluding time spent travelling to and from work. Once at work, time spent getting to the site that is to be worked on that day must be included in

the 8-hour period. A worker may not spend more than 55 hours in any week completing tasks.

10.3 Starting and finishing times may be determined in the light of factors such as the nature of the project, the distance workers have to travel and other local factors such as climate, season and terrain.

10.4 Depending on local conditions work may be spread over more than 8 hours. For example, in hot weather workers may work from 05h00 to 09h00 and then again from 15h00 to 19h00. The finishing time must not be more than 12 hours after the start and workers may not work more than 55 hours per week.

11. Attendance

11.1 A 'no work-no pay' rule must apply except in the following circumstances:

- A worker is absent due to illness or injury and proof of illness/injury as required by section 23 of the Basic Conditions of Employment Act is provided. A maximum of 1 day sick leave for every full month worked is payable for workers who work four or more days per week.
- Workers who report for work and are unable to work due to the sole fault of the employer, shall be entitled to be paid –
  (a) in the case of task-rated workers, the daily task rate;
  (b) in the case of time-rated workers, the daily rate.

  This shall not apply where the reason that workers are unable to work is that tasks have not been set.

12. Health and Safety

12.1 Every worker has the right to work in a working environment that is safe and without risk to his or her health.

12.2 The management and every employer (contractor) engaged in an EPWP are required to do everything that is reasonably practicable to ensure the health and safety of persons working on programme.

12.3 Workers are required to perform their duties in a manner that does not endanger their health or safety or that of other workers or persons.

12.4 Behaviour that endangers the health and safety of others is a serious disciplinary offence for which a worker can be dismissed.

12.5 The management of an EPWP and each employer must:

- ensure that all workers are informed of any risks and dangers associated with their tasks;
- inform and train workers about the precautions and steps that must be taken to avoid or minimise risks and dangers to them or others;
- ensure all possible precautions and safety measures are in place to avoid risk and minimise dangers;

- not permit workers to perform tasks for which they have not been trained;
- provide workers with the necessary protective clothing such as hard hats, goggles, ear-plugs, boots and outer clothing required, as applicable, to complete their tasks in safety. These must be supplied free of charge and must be maintained, by the worker, in a clean state and in working order for use;
- provide First Aid kits on site;
- ensure that at least one person per site is trained to act as a First Aid Officer and that they are capable of providing First Aid to injured or ill workers;
- provide sufficient clean drinking water to all workers for the duration of the project;
- ensure that adequate sanitation is available to workers; and
- ensure all safety standards set are adhered to.

12.6 Workers must –

- perform their duties in a safe manner;
- wear all protective clothing issued;
- obey all safety rules and instructions;
- report any accident or near-miss incident to their employer (supervisor); and
- report any dangerous conduct by another worker to their employer (supervisor).

12.7 Employers must take particular care to ensure workers with a disability, pregnant workers or workers who are breast-feeding are not required to perform work that may endanger their health and safety or that of their child.

13. Compensation for Occupational Accidents and Diseases

The Compensation for Occupational Injuries and Diseases Act 130 of 1993 (COIDA) applies to all EPWPs.

13.1 Administrative Obligations

Every employer must –

- register with the Compensation Commissioner and cover all workers in the EPWP (this is done by submitting a completed W AS 2 form);
- notify the Commissioner of any changes in particulars;
- keep a register of wages, time worked and payment (this is the same register described above);
- submit a return of wages paid each March; and
- pay assessments (contributions) as required by the Commissioner.

13.2 Obligations in respect of accidents and occupational diseases

Every employer must report to the Compensation Commissioner –

- accidents within 7 days (W CI 3 form); and
- occupational diseases within 14 days (W CI 14 form).

13.3 An employer must pay a worker who is injured in an accident at work and who is unable to work 75% of their wages for a period of up to three months or until the end of

the worker's contract, whichever comes first. The Compensation Fund will refund the employer this money.

13.4 The family of a worker who is killed in an accident at work (or who dies from an occupational disease) is entitled to receive compensation in terms of the provisions of COIDA. An employer should help them to lodge their claim and, wherever possible, provide employment for another member of the family.

13.5 A worker who is injured in an accident that is caused by the negligence of an employer is entitled to claim additional compensation in terms of section 56 of COIDA.

14. Training

Training is regarded as an important component of EPWP. EPWPs are encouraged to have a clear training programme in place that strives to:

14.1 ensure that workers obtain all the skills required to complete their work or tasks;

14.2 establish links to training institutions and opportunities to enable workers to access further training with a preference to SETA accredited training where available; and

14.3 identify possible career paths available to workers exiting the EPWP.

15. Discipline, dismissal and termination

15.1 Every EPWP must have a disciplinary code and a grievance procedure. The purpose of these procedures is to –

(a) ensure that employers exercise discipline in a fair and consistent manner;
(b) protect workers from arbitrary action; and
(c) provide a mechanism for managing grievances and complaints.

15.2 The disciplinary code and grievance procedures apply to all persons employed in the EPWP.

15.3 Employers should make use of the Code of Good Practice: Dismissal (Schedule 8 to the Labour Relations Act 66 of 1995) as a guideline when exercising their powers of discipline and dismissal.

15.4 An employer may only dismiss a worker if –

(a) there is a good reason for the dismissal; and
(b) the employer has followed a fair procedure.

15.5 The reason for a dismissal or termination may relate to –

(a) the worker's misconduct (e.g. late coming, drunkenness);
(b) the worker's capacity (i.e. the worker does not have the skills or ability to perform a job despite receiving training); and
(c) the worker's unexplained failure to attend required training programmes.

15.6 A fair procedure means that the employer should –

(a) investigate the charge;
(b) notify the worker of any allegations against the worker in a form and language that the worker can understand; and
(c) give the worker an opportunity to respond to the allegations. A fellow worker may assist the worker, if the worker chooses.

15.7 There is no requirement that the employer hold a formal inquiry. However, the employer may decide to give a worker, charged with a serious offence, a formal hearing at which the worker can test the evidence on which the charge is based.

15.8 An employer must exercise discipline in a consistent and clear manner.

15.9 A worker may only be disciplined for contravening a workplace rule or standard that the worker was aware of or should reasonably have been aware of. Therefore, it is important that an employer informs workers of workplace rules and standards. A worker will be assumed to know that conduct such as late-coming, leaving early, drunkenness, fighting or disobeying instructions are disciplinary offences.

15.10 An employer should keep a written record of any disciplinary action taken.

16. Disciplinary Sanctions

An employer may take the following steps when exercising discipline –

16.1 Verbal Warning

A verbal warning may be issued for minor disciplinary offences. The purpose of the warning is to explain to the worker what the rules are, encourage the worker to comply with them and advise that if the conduct is repeated the employer may take more serious action. Only one verbal warning is required before moving to written warnings.

Examples of minor offences:
- Late-coming.

16.2 Written warning

17.2.1 A written warning may be issued for repeated minor offences or for more serious offences. The employer should investigate the charge before issuing a warning. The worker should be asked to respond and explain his or her conduct. The warning should state the offence and the period for which the warning is valid. Generally, this should be for six months, although warnings for more serious offences could be issued for a year or for the remainder of the worker's employment on an EPWP. If the employer believes that the offence is serious, the warning should state that it is a final written warning and that a repeat of the offence could lead to the worker's dismissal). Otherwise, two written warnings are suggested prior to dismissal.

16.2.2 A written record of the charge, the explanation and the agreed change in behaviour or performance is dated, signed and handed to the worker as a written warning. A copy of the written warning is kept in the worker's file for the period of its validity.

Examples of offences in which a written warning may be appropriate:

- Repeated minor offences.
- Drunkenness (if it does not affect work performance).
- Fighting, swearing.
- Abusive behaviour.
- Non co-operation as a team member.
- Negligent use of programme equipment (if it does not affect health and safety).
- Failure to attend a training event.

16.3 Dismissal

16.3.1 Generally, an employer should not dismiss a worker for a first offence. However, a worker may be dismissed if it is a serious offence that would make continued employment intolerable even if the worker has previously had a clean record. Before dismissing a worker, the employer must consider whether dismissal is the appropriate sanction.

16.3.2 Examples of serious offences which may warrant dismissal:

- Wilful and/or negligent damage to equipment, machinery and vehicles.
- Actions which could lead to criminal charges being laid – e.g. serious assault; theft; fraud.
- Sexual harassment, including rape.
- Actions which create a danger to the health and safety of co-workers.
- Any offence for which the worker has received a final written warning.
- Drunkenness, if it affects the ability to work, for instance, a driver or a chain-saw operator being drunk.
- Repeated less serious offences – drunkenness, fighting, swearing, failure to properly perform tasks, etc.
- Misuse of programme equipment, for instance, a worker using it for their own benefit.

16.4 Poor work performance

16.4.1 An employer may take action against a worker for poor work performance. Workers must be informed of the standard of work performance expected of them. If they do not meet this standard, the employer should consider ways of helping them meet the standard. This could include counselling or guidance, training or giving clearer instructions. The worker must be given a reasonable opportunity to improve their work performance. If their performance does not improve, the employer can take corrective action, including dismissal if considered appropriate.

16.4.2 If a worker is not performing adequately in a job requiring special skills, the employer should consider transferring the worker to another job.

17. Grievance Procedures

17.1 A grievance is a serious dissatisfaction on the part of a worker with the actions or behaviour of the employer or another worker.

17.2 A worker with a grievance should bring the grievance to the attention of the employer, either in writing or verbally. If the grievance concerns another worker, the worker should raise the issue with that worker before raising it with the employer.

17.3 The employer must listen to the submissions made by the complaining worker and attempt to settle the matter by discussion within 5 days.

17.4 Where the matter cannot be resolved to the satisfaction of the complaining worker, the employer may conduct an investigation or, if the employer considers it appropriate, conduct an inquiry at which the affected parties can make submissions.

17.5 The employer must notify the grievant and any other person affected of the decisions within a reasonable time. If the employer decides to take disciplinary action, the employer must follow the disciplinary procedure described above.

18. Glossary

Contractors	A person or group of persons who is contracted to carry out the work on the Expanded Public Works Programme for the relevant department.
Daily rate	A worker is paid a fixed sum each day in return for working a fixed number of hours during that day.
Worker	A worker includes anyone working in an elementary occupation on an Expanded Public Works Programme whether they are employed directly by a government department, an implementing agent, a contractor or a sub-contractor.
Implementing agents	A business, institution or person who is contracted to implement the Expanded Public Works Programme on the relevant department's behalf. An implementing agent is bound by the same terms and conditions governing the implementation of Expanded Public Works Programmes as a department.
Task-based work	A worker is paid a fixed wage in return for a fixed quantity of work, or a task. The task set may be a task for one worker in 8 hours or for several workers over several workdays, based on an 8 hour working day per person.

EXPANDED PUBLIC WORKS PROGRAMMES
(Standard Contract for Task-rated workers)

CONTRACT OF EMPLOYMENT BETWEEN

CONTRACTOR
Name:
Address:
ID:

AND

WORKER
Name:
Details
ID:

1. I am pleased to confirm that you have been appointed to work on a task-based employment contract within an Expanded Public Works Programme (EPWP) project. Within this contract you will undertake numerous groups of tasks.

2. This contract must be read in conjunction with the standard terms and conditions of employment on EPWP attached.

3. The project where you will be employed is located at .....

4. The contract will start on .....

5. You must be aware that this contract is a limited-term contract and not a permanent job. The contract may be terminated for one of the following reasons:
   a) If the contractor does not get additional contracts from the EPWP.
   b) Funding for the programme in your area comes to an end.
   c) You repeatedly do not perform in terms of the tasks set out in your work programme.

6 You will be employed as a ..... within the team.

7 While you are working you will report to .....

8 Payment
   a) You will be paid a fixed amount of R ..... for completing a fixed amount of work.
   b) The amount of work required for the agreed rate of pay will vary from task to task. You will be informed at the beginning of each task or group of tasks how much work you are expected to complete per day.
   c) You will only be paid for work completed.
   d) You will be paid the amount for the number of days quoted in the contract even if you finish the work before the time or after the estimated date of completion.

e) A contractor must pay you the production bonus (the extra days if the work is finished early) if you have completed your share of tasks.
f) The contractor will be paid within 30 days after the work is completed. You will be paid within 5 days of the contractor being paid.

9 In addition to the conditions above all the terms and conditions of employment on EPWP apply to your employment. If you breach any of these terms your contract may be terminated.

10 Signatures:

Signed on this day ..... of ..... 20....

Contractor: ..... Date: .....

Worker: ..... Date. .....

Witness: ..... Date: .....

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GOVERNMENT NOTICE

DEPARTMENT OF LABOUR

No. R. 347 4 May 2012

BASIC CONDITIONS OF EMPLOYMENT ACT, 1997

MINISTERIAL DETERMINATION 4: EXPANDED PUBLIC WORKS PROGRAMMES

I, Nelisiwe Mildred Oliphant, Minister of Labour, hereby in terms of section 50 of the Basic Conditions of Employment Act, 1997, make a Ministerial Determination establishing conditions of employment for employees in Expanded Public Works Programmes, South Africa, in the Schedule hereto and determine the second Monday after the date of publication of this notice as the date from which the provisions of the said Ministerial Determination shall become binding.

All the provisions of the Ministerial Determination: Expanded Public Works Programmes published under Government Notice R949 in Government Gazette 33665 of 22 October 2010 will be superseded by this ministerial determination with effect from the date of implementation.

NM OLIPHANT, MP
Minister of Labour
10/04/2012

SCHEDULE

MINISTERIAL DETERMINATION NO: 3 : EXPANDED PUBLIC WORKS PROGRAMMES

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1. Definitions
2. Application of this determination
3. Sections not applicable to public works programmes
4. Conditions

1. **Definitions**

1.1 In this determination –

"expanded public works programme" means a programme to provide public or community assets or services through a labour intensive programme initiated by government and funded from public resources.

1.2 Without limiting subsection (1), the following programmes constitute Expanded Public Works Programmes:

(a) Environment and Culture Sector Programmes including: Working for Water, Working on Fire, Working for Wetlands, People and Parks, Working for Energy, Working for Woodlands, Working for the Coast, Landcare, Working on Waste, Working for Tourism, Investing in Culture Programmes

(b) Infrastructure Sector Programmes and Projects declared part of EPWP which may include the construction, rehabilitation and maintenance of: rural and low-volume roads, storm-water drains, water reticulation, basic sanitation, footpaths, sidewalks, bicycle paths, schools and clinics.

(c) Social Sector Programmes including Early Childhood Development, Home, Community Based Care, Community Safety and other community based programmes

(d) All projects and programmes accessing the EPWP wage incentive including those implemented by Non Governmental organisations (NGO) and Community Based Organisations (CBO) and the Community Works Programme.

(e) Any other programme deemed to be part of the EPWP as determined by the Department of Public Works

2. **Application**

This Determination applies to all employers and employees engaged in expanded public works programmes.

3. **The following provisions of the Basic Conditions of Employment Act do not apply to public works programmes –**

3.1 Section 10(2) [Overtime rate]

3.2	Section 14(3)	[Remuneration required for meal intervals of longer than 75 minutes]
3.3	Section 29(h) to (p)	[Written particulars of employment]
3.4	Section 30	[Display of employee's rights]
3.5	Section 41	[Severance pay]
3.6	Section 37	[Notice of termination]
3.7	Sections 51 – 58	[Sectoral Determinations]

4. Conditions

As set out in the ANNEXURE:

ANNEXURE

CONDITIONS OF EMPLOYMENT FOR EXPANDED PUBLIC WORKS PROGRAMMES

1. Introduction

1.1 This document contains the standard terms and conditions for workers employed in elementary occupations on an Expanded Public Works Programme (EPWP). These terms and conditions do NOT apply to persons employed in the supervision and management of a SPWP.

1.2 In this document –

(a) "department" means any department of the State, implementing agent or contractor;

(b) "employer" means any department, implementing agency or contractor that hires workers to work in elementary occupations on a EPWP;

(c) "worker" means any person working in an elementary occupation on a EPWP;

(d) "elementary occupation" means any occupation involving unskilled or semi-skilled work;

(e) "management" means any person employed by a department or implementing agency to administer or execute an EPWP;

(f) "task" means a fixed quantity of work;

(g) "task-based work" means work in which a worker is paid a fixed rate for performing a task;

(h) "task-rated worker" means a worker paid on the basis of the number of tasks completed;

(i) "time-rated worker" means a worker paid on the basis of the length of time worked.

2. Terms of Work

2.1 Workers on an EPWP are employed on a temporary basis or contract basis.

3. Normal Hours of Work

3.1 An employer may not set tasks or hours of work that require a worker to work–

(a) more than forty hours in any week;

(b) on more than five days in any week; and

(c) for more than eight hours on any day.

3.2 An employer and worker may agree that a worker will work four days per week. The worker may then work up to ten hours per day.

3.3 A task-rated worker may not work more than a total of 55 hours in any week to complete the tasks allocated (based on a 40-hour week) to that worker.

4. Meal Breaks

4.1 A worker may not work for more than five hours without taking a meal break of at least thirty minutes duration.

4.2 An employer and worker may agree on longer meal breaks.

4.3 A worker may not work during a meal break. However, an employer may require a worker to perform duties during a meal break if those duties cannot be left unattended and cannot be performed by another worker. An employer must take reasonable steps to ensure that a worker is relieved of his or her duties during the meal break.

4.4 A worker is not entitled to payment for the period of a meal break. However, a worker who is paid on the basis of time worked must be paid if the worker is required to work or to be available for work during the meal break.

5. Special Conditions for Security Guards

5.1 A security guard may work up to 55 hours per week and up to eleven hours per day.

5.2 A security guard who works more than ten hours per day must have a meal break of at least one hour or two breaks of at least 30 minutes each.

6. Daily Rest Period

Every worker is entitled to a daily rest period of at least twelve consecutive hours. The daily rest period is measured from the time the worker ends work on one day until the time the worker starts work on the next day.

7. Weekly Rest Period

Every worker must have two days off every week. A worker may only work on their day off to perform work which must be done without delay and cannot be performed by workers during their ordinary hours of work ("emergency work").

8. Sick Leave

8.1 Only workers who work more than 24 hours per month have the right to claim sick-pay in terms of this clause.

8.2 A worker 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 worker has worked in terms of a contract.

8.3 A worker may accumulate a maximum of twelve days' sick leave in a year.

8.4 Accumulated sick-leave may not be transferred from one contract to another contract.

8.5 An employer must pay a task-rated worker the worker's daily task rate for a day's sick leave.

8.6 An employer must pay a time-rated worker the worker's daily rate of pay for a day's sick leave.

8.7 An employer must pay a worker sick pay on the worker's usual payday.

8.8 Before paying sick-pay, an employer may require a worker to produce a certificate stating that the worker was unable to work on account of sickness or injury if the worker is –

(a) absent from work for more than two consecutive days; or

(b) absent from work on more than two occasions in any eight-week period.

8.9 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.

8.10 A worker is not entitled to paid sick-leave for a work-related injury or occupational disease for which the worker can claim compensation under the Compensation for Occupational Injuries and Diseases Act.

9. Maternity Leave

9.1 A worker may take up to four consecutive months' unpaid maternity leave.

9.2 A worker is not entitled to any payment or employment-related benefits during maternity leave.

9.3 A worker must give her employer reasonable notice of when she will start maternity leave and when she will return to work.

9.4 A worker is not required to take the full period of maternity leave. However, a worker 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.

9.5 A worker may begin maternity leave –

(a) four weeks before the expected date of birth; or

(b) on an earlier date –

(i) if a medical practitioner, midwife or certified nurse certifies that it is necessary for the health of the worker or that of her unborn child; or

(ii) if agreed to between employer and worker; or

(c) on a later date, if a medical practitioner, midwife or certified nurse has certified that the worker is able to continue to work without endangering her health.

9.6 A worker 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.

10. **Family responsibility leave**

10.1 Workers, who work for at least four days per week, are entitled to three days paid family responsibility leave each year in the following circumstances -

(a) when the employee's child is born;

(b) when the employee's child is sick;

(c) in the event of a death of –

(i) the employee's spouse or life partner;

(ii) the employee's parent, adoptive parent, grandparent, child, adopted child, grandchild or sibling.

11. **Statement of Conditions**

11.1 An employer must give a worker a statement containing the following details at the start of employment –

(a) the employer's name and address and the name of the EPWP;

(b) the tasks or job that the worker is to perform; and

(c) the period for which the worker is hired or, if this is not certain, the expected duration of the contract;

(d) the worker's rate of pay and how this is to be calculated;

(e) the training that the worker will receive during the EPWP.

11.2 An employer must ensure that these terms are explained in a suitable language to any employee who is unable to read the statement.

11.3 An employer must supply each worker with a copy of these conditions of employment.

12. **Keeping Records**

12.1 Every employer must keep a written record of at least the following –

(a) the worker's name and position;

(b) copy of an acceptable worker identification

(c) in the case of a task-rated worker, the number of tasks completed by the worker;

(d) in the case of a time-rated worker, the time worked by the worker;

(e) payments made to each worker.

12.2 The employer must keep this record for a period of at least three years after the completion of the EPWP.

13. **Payment**

13.1 An employer must pay all wages at least monthly in cash or by cheque or into a bank account.

13.2 A worker may not be paid less than the minimum EPWP wage rate of R63.18 per day or per task. This will be adjusted annually on the 1st of November in-line with inflation (available CPI as provided by StatsSA six (6) weeks before implementation).

13.3 A task-rated worker will only be paid for tasks that have been completed.

13.4 An employer must pay a task-rated worker within five weeks of the work being completed and the work having been approved by the manager or the contractor having submitted an invoice to the employer.

13.5 A time-rated worker will be paid at the end of each month.

13.6 Payment must be made in cash, by cheque or by direct deposit into a bank account designated by the worker.

13.7 Payment in cash or by cheque must take place –

(a) at the workplace or at a place agreed to by the worker;

(b) during the worker's working hours or within fifteen minutes of the start or finish of work;

(c) in a sealed envelope which becomes the property of the worker.

13.8 An employer must give a worker the following information in writing –

(a) the period for which payment is made;

(b) the numbers of tasks completed or hours worked;

(c) the worker's earnings;

(d) any money deducted from the payment;

(e) the actual amount paid to the worker.

13.9 If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it.

13.10 If a worker's employment is terminated, the employer must pay all monies owing to that worker within one month of the termination of employment.

14. Deductions

14.1 An employer may not deduct money from a worker's payment unless the deduction is required in terms of a law.

14.2 An employer must deduct and pay to the SA Revenue Services any income tax that the worker is required to pay.

14.3 An employer who deducts money from a worker's 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.

14.4 An employer may not require or allow a worker to –

(a) repay any payment except an overpayment previously made by the employer by mistake;

(b) state that the worker received a greater amount of money than the employer actually paid to the worker; or

(c) pay the employer or any other person for having been employed.

15. Health and Safety

15.1 Employers must take all reasonable steps to ensure that the working environment is healthy and safe.

15.2 A worker must –

(a) work in a way that does not endanger his/her health and safety or that of any other person;

(b) obey any health and safety instruction;

(c) obey all health and safety rules of the EPWP;

(d) use any personal protective equipment or clothing issued by the employer;

(e) report any accident, near-miss incident or dangerous behaviour by another person to their employer or manager.

16. Compensation for Injuries and Diseases

16.1 It is the responsibility of the employers (other than a contractor) to arrange for all persons employed on a EPWP to be covered in terms of the Compensation for Occupational Injuries and Diseases Act, 130 of 1993.

16.2 A worker must report any work-related injury or occupational disease to their employer or manager.

16.3 The employer must report the accident or disease to the Compensation Commissioner.

16.4 An employer must pay a worker who is unable to work because of an injury caused by an accident at work 75% of their earnings for up to three months. 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.

17. Termination

17.1 The employer may terminate the employment of a worker for good cause after following a fair procedure.

17.2 A worker will not receive severance pay on termination.

17.3 A worker is not required to give notice to terminate employment. However, a worker who wishes to resign should advise the employer in advance to allow the employer to find a replacement.

17.4 A worker 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 worker may be re-engaged if a position becomes available.

17.5 A worker who does not attend required training events, without good reason, will have terminated the contract. However, the worker may be re-engaged if a position becomes available.

Certificate of Service

18.1 On termination of employment, a worker is entitled to a certificate stating –

(a) the worker's full name;

(b) the name and address of the employer;

(c) the EPWP on which the worker worked;

(d) the work performed by the worker;

(e) any training received by the worker as part of the EPWP;

(f) the period for which the worker worked on the EPWP;

(g) any other information agreed on by the employer and worker.

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