



ELECTRICAL PLUGS LAYOUT
scale 1:100

ELECTRICAL SERVICES LEGEND	
SYMBOL	DESCRIPTION
	Distribution Board - 1200mm
	TV Point
	Data Point
	Telephone Point
	220V Single Plug Point, 300 aff (except for TV point)
	220V Double Plug Point, 300 aff (except for TV point)
	220V Single Plug Point on UPS
	Isolator
	Two Compartment Power Skirting - Hammer Tone Grey
	VETI Pull Up Tower - (2xData Outlets, 2xUSB Chargers, 2xSA V-Slim Sockets, 2xSA Standard Sockets)
	VP 1200 43W (4000K)
	Break Glass Unit
	Admiral 2x28W - MRO 4 1200x600
	Admiral 2x28W - MRO 4 600x600
	Control Board with Push Button - Entry and Exit
	Magnalock
	Light switches at 1300mm A.F.F.L.
	Fireman switch
	P8000 Trunking
	Telkom DB
	Atom Mini 14W White
	Bekaseries 31 Decorative 17W LED BULKHEAD

GENERAL NOTES:

- ALL WORK TO COMPLY WITH NBR AND LOCAL BY-LAWS.
- REFER TO GIVEN DIMENSIONS ONLY.
- CONSULT THE AUTHOR IN CASE OF ANY UNCERTAINTIES.
- THE CONTRACTOR IS RESPONSIBLE FOR CORRECT SETTING OUT OF THE BUILDING.
- IF THERE ARE AMENDMENTS AFTER THIS PLAN IS APPROVED, THE OWNER OR CONTRACTOR (WHOEVER MADE THE DECISION) WILL BE LIABLE FOR ARCHITECTURAL AND MUNICIPAL FEES IN ORDER FOR US TO HELP WITH AMENDED PLAN.
- COPYRIGHT IS RESERVED TO WANTHLA ARCHITECTS.

ROOF: CONCRETE TILES

- 23-26° ROOF PITCH WITH ROOF TILES, WITH SABS APPROVED UNDERLAY.
- 38 x 38mm BATTENS ON PVC UNDERLAY.
- TRUSSES TOFORM S.A. PINE AT 760mm CENTRES FASTENED SECURELY WITH 2 WIRES OF 4mm (EMBEDDED AT LEAST 300mm INTO BRICKWORK WITH CONNECTING DEVICES ACCORDING TO SCHEDULE 1 OF SABS 0400, TABLE L2)
- ALL WEB MEMBERS TO BE MINIMUM 38 x 114mm GRADE 5 WITH EQUAL THAN 1500mm. APPROVED BRACINGS, MUST PREVENT BUCKLING AND KEEP TRUSSES UPRIGHT.
- VALLEY AND HIP RAFTERS TO BE GRADE 7, 50 x 228mm S.A. PINE.
- LAMINATED TIMBER TO COMPLY WITH SABS 876.
- 50mm GLASS FIBRE INSULATION TO BE INSTALLED ON CEILING.

FLOORS AND WATERPROOFING

- SURFACE BED TO BE MINIMUM 85mm THICK 20MPa CONCRETE PERFECTLY LEVEL AND AT MINIMUM 150mm ABOVE GROUND ON PROPERLY COMPACTED HARDCORE FILL.
- 25mm THICK SCREED AND FINISHES AS INDICATED.
- SUSPENDED CONC. FLOOR SLABS TO ENGINEER'S DETAILS AND SPECIFICATIONS
- DPC UNDER ALL WALLS (EXCEPT FREE STANDING), FLOORS AND WINDOW SILLIS AND TO ALL VERTICAL CHANGES IN FLOOR LEVELS.
- FLASHING TO ALL PARAPETS AND CHANGES IN ROOF LEVELS.
- ATRIUMS AND COURTYARDS TO BE FITTED WITH AT LEAST 1 x 50mm² OUTLET PIPES FROM CATCHPIT FITTED WITH GRATING AND SILT TRAPS.
- PLANTERS TO BE WATERPROOFED AND DRAINAGE INSTALLED.

FOUNDATIONS, BRICKWORK AND PARTITIONS

- ALL FOUNDATIONS TO BE 25MPa CONCRETE AT LEAST 230 x 700mm MINIMUM 200mm UNDERGROUND TO ENGINEER'S DETAILS AND SPECIFICATIONS.
- BOUNDARY WALLS' FOUNDATION MUST NOT ENDOACH ON BOUNDARY LINE AND WALLS ARE TO BE PLASTERED AND PAINTED ON THE INNER WALL.
- PARAPET WALLS TO BE AT LEAST 300mm HIGH AND MINIMUM 500mm WITH BRICKFORCE IN EVERY COURSE.
- ALL SCREEN WALLS TO BE AT LEAST 1800mm HIGHABOVE GROUND LEVEL.
- LINTOLS TO BE SUPPORTED MINIMUM 150mm FOR OPENINGS UP TO 4500mm.
- BRICKFORCE TO BE BUILT IN EVERY COURSE BELOW FLOOR LEVEL AND ABOVE WINDOW LEVEL. EVERY THIRD COURSE BETWEEN IN-CONTINUOUS BANDS.

STAIRS AND BALUSTRADES

- STAIRS TO BE 750mm MINIMUM WIDTH, TREADS 300mm, RISERS 170mm WITH 6mm MAX. DEVIATION.
- 1000mm HIGH BALUSTRADES TO ALL STAIRS AND BALCONIES.
- MAXIMUM 3000mm VERTICAL RISE PER FLIGHT, WINDERS WHERE SHOWN, TO BE AT LEAST 250mm WIDE, 450mm FROM THE NARROW END AND ANGLE BETWEEN THE RISERS TO BE CONSTANT.
- MINIMUM HEADROOM TO BE 2100mm MEASURED FROM PITCHLINE.
- GLASS BALUSTRADES (IF SHOWN) TO BE SAFETY GLASS.

GLAZING (AS PER NBR PART 'N')

- ALL PANE SIZES AND THICKNESS AS DESCRIBED ON WINDOW SCHEDULE.
- BATHROOM WINDOWS TO BE FROSTED GLASS.
- ALL GLAZING ON DOORS TO BE SAFETY GLASS.
- GLAZED AREA LESS THAN 300mm ABOVE PFL TO BE COV. WITH SAFETY GLASS.
- ALL GLAZED AREA TO COMPLY WITH SANS 204.

DRAINAGE

- 110mm² uPVC SOIL PIPES TO FALL 1:50
- RESEAL TRAPS TO ALL WASTE FITTINGS AND GULLEYS.
- 50mm² WASTE PIPES.
- DRAINAGE TO HAVE A MINIMUM INVERT LEVEL OF 450mm BELOW THE NATURAL GROUND LEVEL.
- REINFORCED FOUNDATIONS OVER SOIL PIPES, WHERE PIPES ARE LAID UNDERNEATH BUILDING.
- ALL DRAINAGE TO COMPLY WITH SECTION 'P' OF NBR.

FIRE NOTE

- BUILDING TO COMPLY WITH SANS 10400 'T' : 2011' 4.9.2
- NO COMBUSTIBLE ROOF COMPONENTS SHALL PENETRATE THE SEPARATING ELEMENT DIVIDING THE SPACE BETWEEN THE GARAGE AND THE HABITABLE ROOMS.

ISSUE FOR TENDER	
REVISION No	DATE
REVISIONS	
SIZE ON ORIGINAL DRAWING 100 mm	

CONSTRUCTION OF MAKUWA LIBRARY

PROJECT NAME:
CONSTRUCTION OF MAKUWA LIBRARY

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DISCIPLINE:
ARCHITECTURAL

WORK DESCRIPTION:
NEW LIBRARY

DRAWING DESCRIPTION:
ELECTRICAL PLUGS LAYOUT

FILE No.	DESIGN	SCALE	DATE
	SS MOGALE	AS SHOWN	22-11-2021
	K. BODIBA	SS MOGALE	
		CHECKED	

RESPONSIBLE PROFESSIONAL			PR NUMBER
DATE	NAME	SIGNATURE	
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SIZE	DRAWING NUMBER	REV
A1	WAN-E02	1