



CEILING PLAN  
scale 1:100

- 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 ARCHITECTScc.

- ROOF: CONCRETE TILES
- 23-28° ROOF PITCH WITH ROOF TILES, WITH SABS APPROVED UNDERLAY.
  - 38 x 38mm BATTENS ON PVC UNDERLAY.
  - TRUSSES TOFROM 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 HARDWARE FILL.
  - 25mm THICK SCAFFOLD AND FINISHES AS INDICATED.
  - SUSPENDED CONC. FLOOR SLABS TO ENGINEER'S DETAILS AND SPECIFICATIONS.
  - DPC UNDER ALL WALLS (EXCEPT FREE STANDING), FLOORS AND WINDOW SILLS 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 50mmØ 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 ENCRACH 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 4800mm. 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 FFL TO BE COV. WITH SAFETY GLASS.
  - ALL GLAZED AREA TO COMPLY WITH SANS 204.

- DRAINAGE
- 110mm uPVC SOIL PIPES TO FALL 1:50
  - RESEAL TRAPS TO ALL WASTE FITTINGS AND GULLEYS.
  - 50mmØ 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.

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| REVISION No.                    | DATE : | DESCRIPTION: |
| REVISIONS                       |        |              |
| SIZE ON ORIGINAL DRAWING 100 mm |        |              |

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PROJECT NAME  
CONSTRUCTION OF MAKUWA LIBRARY

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DISCIPLINE  
ARCHITECTURAL

WORK DESCRIPTION  
PROPOSED NEW LIBRARY

DRAWING DESCRIPTION  
CEILING PLAN

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| FILE No. | DESIGN   | SS MOGALE | K. BODIBA | DRAWN   |
| SCALE    | AS SHOWN | SS MOGALE | SS MOGALE | CHECKED |

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| DATE       | NAME      | SIGNATURE | PR NUMBER |
| 22-11-2021 | SS MOGALE |           | T0206     |

**Wanthla Architects**  
384 Justice Mahomed Street  
Sunnyside 0002  
Tel: 012 751 9293 | Cell: 073 213 8912  
Email: simonmgl@yahoo.com | Website: wanthlaarch.co.za

CONTRACTOR :

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