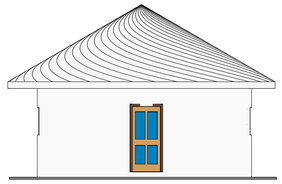
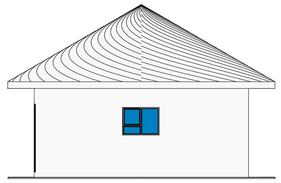


3 ELEVATION 1
1 : 100



5 ELEVATION 3
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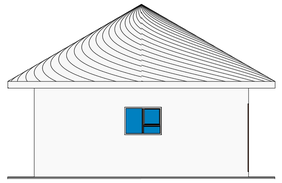
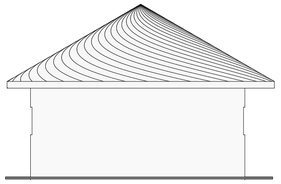


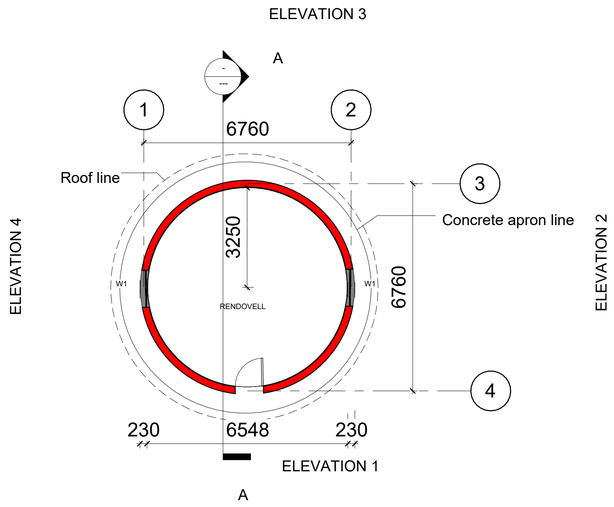
4 ELEVATION 2
1 : 100



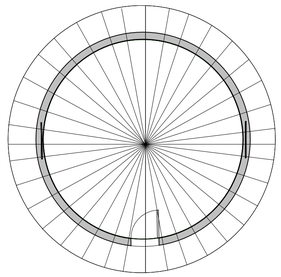
6 ELEVATION 4
1 : 100

WINDOW AND DOOR SCHEDULE	1200 / 900	915 / 2032
CATALOGUE NO	PT99	External Double Flush Door
DESCRIPTION	Aluminium Window Frame	Standard 12mm pressed steel single rebate frame hard board wood door complete with 2 level lockset.
QUANTITY	2	1
TYPE MARK	W1	D1

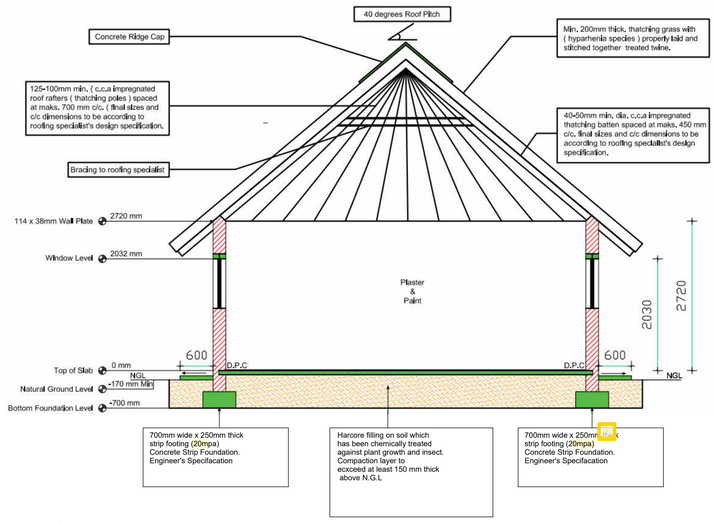
Window and Door Legend
1 : 100



1 GROUND FLOOR LAYOUT
1 : 100



2 ROOF PLAN
1 : 100



3 SECTION A-A

DRAWING SHOULD NOT BE SCALED, WORK TO FIURED DIMENSIONS
ONLY ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING ANY WORK .

STANDARDS AND SPECIFICATIONS:
-ALL WORK IN ACCORDANCE WITH SANS 10400 SECTION (L) AND SANS 10407 ,CCA TREATED (H4 CLASS SPECIFICATION)
EUCALYPTUS POLES USED FOR STRUCTURAL WORKS.
-VERTICAL MEMBERS ON STRUCTURES SHALL BE 175MN-200MM IN DIANETER, HORIZONTAL FRAME POLES 125MM-150MM, PRINARY AND SECONDARY RAFTERS 100MM-125MM AND BATTENS/LATHS 20MM-40MM. (DLAMETER OF POLES INCREASE AS SPAN OF ROOF WIDENS)
-ALL MAIN SUPPORTS AND TIES SHALL BE BOLTED TOGETHER USING 12MM/16MN THREADED RODS.
-ALL POLES SHALL HAVE ANT-SPLIT PLATES AT CUTOFF ENDS.
-ALL STRUCTURAL POLES SHALL BE COATED WITH A SPECIALLY MIXED TEAK VARNISH. THE CAPE REED WITH THE VARNISHED POLES ARE COMPLIMENTS AND ENSURE A SUPERIOR FINISH.
-THE INTERNAL GRASS LAYER WILL BE CAPE REED OR SIMILAR APPROVED.
-THE OUTER GRASS LAYER SHALL CONSISTS OF WINTER HARVESTED HIGHVELD THATCHING GRASS (HYPARRHENLA HIRTA SPECIES) OR SINILAR APPROVED.
-ONLY GRASS WITH REEDS OF 2M-3MN THICK SHALL BE USED ASIT ENSURES GOOD COMPACTION (35KG/N> WITH A RESULTANT OF LONG LIFE SPAN
-STANDARD THATCH THICKNESS IS 175MM-200MM, UNLESS STATED OTHERWISE.
-THATCH THICKNESS ON OVERLAYS/OVERTHATCHES ARE TO BE 150MM .
-PURPOSE MADE FIBRE GLASS RIDGING IS USED AS A RIDGE COPPING

FOUNDATIONS
1. TRENCHES TO BE MINIMUM 700MM DEEP
2. FOUNDATION WALL TO REST ON 700X250MM FOUNDATION FOOTING.
3. BRICK REIFORCEMENT TO BE USED IN EVERY COURSE OF BRICKWORK UP DAMP PROOF MEMBRANE
4. MINIMUN OF 200MM HARDCORE FILLING TO BE FILLED AND COMPACTED
5. ALL MASS CONCRETE TO HAVE MINIMUM COMPRESSIVE STRENGTH 20 Mpa
6.PROPOSED MIX DESIGN IS TO BE SUBMITTED AND ACCEPTED BY THE ENGINEER PRIOR TO ANY CONCRETE BEING CAST.
7.REINFORCEMENT COVER IS TO BE 50 mm
8. 50mm CONCRETE BLINDING.
9.FOUNDATION LEVELS ARE TO BE AGREED WITH THE ENGINEER ON SITE .
10.THE DESIGN ENGINEER IS TO BE NOTIFIED AND GIVEN THE OPPORTUBITY TO INSPECT THE EXCAVATIONS AND FIXED REINFORCEMENT PRIOR CONCRETING.

BRICKWORK

1. CLASS II CEMENT MORTAR
2. WALL MUST BE REINFORCED EVERY THIRD COURSE.
3. BRICK REIFORCEMENT TO BE USED IN EVERY THIRD COURSE UP TO FIRST FLOOR LINTOL LEVEL.
4.BRICK REIFORCEMENT TO BE USED IN EVERY COURSE BETWEEN LINTEL LEVEL.
5. BRICKS ARE TO BE HAVE A NOMINAL STRENGTH OF 7 MpA.

GROUND FLOOR SLAB
1. ALL VEGETION MATERIAL BELOW SLAB IS TO BE REMOVED.
2. FILL MATERIAL FOR GRANULAR FILL BELOW BEARING SLAB IS TO BE (G7 OR BETTER. MATERIAL) ENGINEER TO CHECK AND APROVE PRIOR TO ANY CONCRETE BEING CAST.

DPC
1. DPC TO ALL WALLS AT FLOOR LEVEL , UNDER ALL WINDOWS VERTICAL, DPC TO ANY CHANGE OF FLOOR LEVEL, ALL DPC TO MEET SABS STANDARDS.

CONSTRUCTION JOINTS
1. SAW-CUT JOINTS IN GROUND FLOORS SLABS ARE TO BE CUT WITHIN 24HOURS OF POURING THE SLAB.

GUTTERS AND DOWNPIPES
1.150 X150 DOMESTIC GUTTERS
2. GAL. S.I gutter with 75i Rx Wp fixd to wall.

PLASTERING & WALLS
1.ALL WALL SHALL BE PLASTERED 15mm THICK PLASTER WITH STEEL FLOAT FINISH INTERNALLY AND EXTERNALLY.
2.INTERNAL EXTERNAL WALLS TO BE SMOOTH PLASTERED.
3. PRIMED AND PAITED WITH HIGH-GRADE INTERNAL EXTERNAL PAINT.
4. COLOUR AS PER CLIENT'S APPROVAL.

PAINTWORK
1. ALL WALLS SHALL BE PAINTED INTERNALLY WITH 1 UNIVERSAL ALKYD UNDERCOAT SEALER AND TWO COATS PVA ACRYLIC PAINT.

CEILING
1.ALL ROOMS TO HAVE CEILING, 4mm NuTEC BOARD PAINTED WITH ONE COATS OF WATER PAINT AND ONE COAT HIGH GRADE INTERNAL QUALITY PVA EMULSION PAINT COMPLETE WITH CORNICES ALONG THE WALL.
2. 4MM BOARD NAILED TO BRANDERINGS 38X38 SA PINE GRADE 6) AT 400MM C/C OWNERS CHOICE.

DRAINAGE NOTES
1. REGISTERED PLUMBER AND DRAIN LAYER TO WORK TO STRICT CODES AND REGULATIONS OF LOCAL AUTHORITY.
2. SOIL WATER DRAINS OF 100 PVC PITCH FIBRE PIPES LAID TO FALL 1:40
3. WASTE PIPES TO BE FITTED WITH RESEAL TRAPS .
4.DRAIN TO FALL MINIMUM 1:6 OVER FULL LENGHT WITH I.E 1200MM OF CONSEVANCY TANK CONNECTION.
5.ALL DRAIN UNDER BUILDING TO BE ENCASED IN CONCRETE AND NOT CARRY LOAD.
6. PROVIDE CLEARING AT EVERY CHANGE OF DIRECTION AND AT 20M STRAIGHT SEWER PIPES.
7. PROVIDE INSPECTION PIPES TO BENDS AND JUNCTIONS MARKED COVER AT
8. PROVIDE 50MM ANTI-SYPHON PIPES WHERE REQUIRED AND WHERE DROP EXCEED 1200MM.
9. ALL 38MM WASTE FITTINGS TO HAVE HAVE RESEAL TRAP AND TO BE FULLY ACCESSIBLES INCLUDING ALL BENDS.
10.ALL DRAINS TO COMPLY WITH NHBRC REGULATIONS.

PATEORM CONSTRUCTION PROCEDUCE:
1.SITE CLEARANCE OF ALL ORGANIC MATERIAL ON FOOTPRINT
2.EXCAVATE TO THE DEPTH SPECIFIED IN FOUNDATION DRAWING.
3. CREATE PLATFORM TO UNDERSIDE OF FLOOR LEVEL.
4. EXCAVATE FOOTING AND PLACE REINFORCEMENT.
5.WET FOOTING TRENCHES AND PLATFORM BEFORE POURING CONCRETE.

WINDOWS
CHARCOAL ALLUMINIUM RANGE WINDOWS. WINDOW SIZE AS PER PLAN.

GENERAL NOTES

1. ALL WORK TO COMPLY WITH THE NHBRC AND S.A.B.S 10400 STANDARDS.
2. ALL EXCAVATIONS & REINFORCEMENT MUST BE INSPECTED AND APPROVED BY THE ENGINEER.
3. CONCRETE COVER TO ALL REINFORCEMENT TO BE 50 mm.
4. THE CONTRACTOR MUST ENSURE THAT THE REINFORCMENT ARE KEPT IN POSITION BEFORE & DURING THE CONCRETE BEING CAST.
5. REINFORCEMENT MUST BE KEPT IN POSITION BY APPROVED S.A.B.S PLASTIC COVER CLIPS.
6. STRENGTH OF ALL CONCRETE TO BE 20Mpa.
7. STRIP TO BE KEPT WET FOR 7 DAYS.
8. 193 MESH TO BE USED WITH A MIN OVERLAP OF 300mm.
9. BRICKWORK ON STRIP FOUNDATION MAY ONLY COMMENCE AFTER 7 DAYS SINCE CONCRETE WAS CAST.
10. MASONRY UNITS SHALL HAVE AN AVERAGE COMPRESSIVE OF 7 Mpa STRENGHT AS PER NHBRC STANDARDS.
11. ALL MORTAR USED SHALL BE OF CLASS II.
12.BRICK FORCE IN EACH LAYER ABOVE DOOR TOP LEVEL AND EVERY THIRD LAYER INBETWEEN THE REST OF THE STRUCTURE WITH A MIN OVERLAP OF 300mm.
13. PRIMARY BED JOINTS ABOVE AND OPENINGS MUST BE REINFORCED WITH 2X5.6 mm EXTENDING 600mm BEYOND OPENINGS.
14. ALL CONCRETE PRESTRESSED LINTELS TO BE S.A.B.S 1504.
15. PROTECT AND SAFE GUARD BUILDING AND SERVICES
16. GIVE TOP FOUNDATION A TROWEL FINISH AND FOUNDATION MUST BE SQUARE LEVEL AND SMOOTH.

DRAWING TITLE: RONDAVEL HOUSE

DESIGNED BY: VD MHLONGO

DRAWN BY: VD MHLONGO

APPROVED BY: N. BAARTMAN, Pr TECH Eng

CHECKED BY: S.N SHERINDI

SIGNATURE:

DATE: 25/10/2024

CLIENT: Eskom

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PROJECT NO: 4600074417

SCALE: N.T.S

SHEET SIZE: A1

DRAWING NO: RONDOVEL

SHEET NO:

REVISION : 0

UNIT : mm

N W E S