

ROOF PLAN Scale 1:100

- Foundations
- A1. Strip foundations - for load bearing walls: min 700 x 250mm 25 MPA reinforced concrete.
- for non load bearing walls: min 450x250mm 25 MPA reinforced concrete, or 400x200mm thickening in slab
- Note: Engineer shall design all foundations Engineer to be consulted before construction
- A2. Filling approved hard-core filling compacted in layers of Max 150 mm filling to be treated with SABS approved insecticide and weedkiller to comply with SABS 1164 and 1165 (Ref.3.4 in gen spec)

- Surface beds and floors:
- B1. Surface bed- 85 mm thick 25 Mpa concrete surface bed with ref 193 mesh on one layer of Gundle@ APIA.T USB Green 250pm damp proof membrane under concrete surface beds conforming to SANS 952-1:2011(see 5.1 in gen. spec.)
- B2. Screed and floor finish: steel trowel power floated 1:4 cement sand screed. Thickness of screed 30 mm
- B3. Screed and floor finish- ceramic tiles on 1:4 cement sand screed to total thickness of 30 mm
- B4. Apron- 1000 mm wide 15 Mpa concrete apron with wood float finish apron to be cast in length of max 3 m to have a 1:100 fall away from the building


- Skirtings
- C1. Skirting- 100 mm high ceramics tiles to match floor tiles, fixing, adhesive and grouting acc to 19.1 in gen. spec.

- Walls
- D1. External walls approved face brick walls in stretcherbond to receive 10 mm wide x 6 mm deep square recessed joint in both directions
- D2. Brick force-BRC to 230 and 115 Walls, Foundations walls- Every course, Superstructure every third course. Over openings formed in brickwork- Every course for four courses extending 500 mm beyond opening in both directions ref 6.2 of gen. spec
- D3. 228x76mm SAP beam to be built in and tied down to face brick columns with 2.5 mm galvanised wire ties. Beam to be creosote treated prior to being built in
- D4. Lintel and facebrick roller course- lintels over all windows and door openings, brick work to receive 10x6mm square recessed joints
- D5. DPC- Gundle APIA.T brickgrip DPC 375pm damp proof course conforming to SANS 952-1:2011 at Floor level&under all external window sills.
- D6. Internal walls- approved Stockbrick walls in stretcher Bond to receive 12 mm cement sand plaster (gen.spec. 12.1) and dulux rockgrip Soft velvet (Color to be selected)
- D7. Wall tiles- Tile Africa or similar light grey ceramic floor tiles (code: 1009-1000) with 4 PEI rating, size 300x300x9mm thick.

- Window sills
- E1. Internal window sill - Everite nutec window Internal sill size window with x 175mm x 15 mm thick (code: 013-517) Dulux Rockgrip universal gloss enamel (gen.spec.7.5)
- E2. External window sill- Approved face brick on edge to match walls joints to be square and recessed.

- Ceiling and cornice
- F1. Cornice- Orac Decor Basixx Durofoam polyurethane (or similar approved) cornice moulding,overall size 70x70mm fixed to surface with Decofix Pro(gen.spec.13.5) painted like ceiling
- F2. Ceiling- Everite Nutec 6mm thick plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 provide galvanised H-profile jointing strips to be preapated, Deluxe acrylic PVA modified acrylic paint (colour to be selected) to interior fibre cement surfaces.(gen.spec.13)

- Roof and fascia:
- G1. Roof sheeting-to match existing roofs fixed to timber purlins at 1200 mm centres "MI-TEK or similar approved pre-fabricated roof truss system.
- G2. Ridge capping- standard factory manufactured ridges and flashings in finish to match roof coverings
- G3. Fascia- Everite medium density plain, ungrooved nutec fascia boards (code:041-202) size 225x12mm, fixed to 38x38mm filter batten and 38x38mm support battens (gen.spec9.1) Deluxe rockgrip soft velvet
- G4. Truss system- timber patent and approved prefabricated system at 1100 mm c/c. Purlins- 50 x 76 mm on 1200c/c All SA pine (see item 9 in gen.spec) Wallplate- 114 x 38 mm SA pine to be creosote treated before fixing. Certificate and guarantee for design and erection to be supplied by truss manufacturer. All exposed timber sections as well as sections in contact with wet trades to be creosote treated before fixing into position, truss to be secured to walls at wall plate with 2.5 mm galv steel wire ties, built into walls min 6 brick courses
- G5. 15mm thick roof insulation sheeting blanket under tiles

REVISION DESCRIPTION				BY	CHKD	AUTH	DATE
REV	SIGN	DATE	PROJECT NAME:	PROPOSED STEVE BIKO TLOTLANONG DAYCARE CENTER			
DRAWN BY			JOB NAME:	PROPOSED CRECHE			
ENGINEER			Drawing Description:	ROOF PLAN			
CHECKED			DRAWING No:				
APPROVED			AREAS:	PROPOSED AREAS = 462.153 m2			
SCALE			CONTACT INFORMATION:	CLIENT: 			
Copyright Warning							
Indemnity Warning							