

ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING ANY WORK.

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THIS DRAWING IS NOT TO BE USED IN WHOLE OR PART OTHER THAN FOR THE INTENDED PURPOSE AND PROJECT, AS DEFINED ON THIS DRAWING. REFER TO THE CONTRACT FOR FULL TERMS AND CONDITIONS.

- ON ORIGINAL
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- ALGEMENE NOTAS/GENERAL NOTES:
- Concrete work to be done according to SABS 0100 Part 2
- STRENGTH**
Minimum cube compressive strength of concrete at 28 days:
Structural concrete: 25MPa
Mass concrete: 15MPa
 - AGGREGATE SIZE**
Maximum aggregate size in:
Structural concrete: 18mm
Mass concrete: 38mm
 - CASTING OF CONCRETE**
No concrete is to be cast without prior inspection and written consent from the Engineer. The contractor is to take 3 test cubes per structural pour, cure and deliver to the Engineer for testing at 7 days.
 - REINFORCEMENT**
Reinforcement according to SABS 100
 - REMOVAL OF FORMWORK**
Slabs: 14 days
Beams: 21 days
Columns and walls: 3 days
 - CONCRETE COVER**
Cover of concrete reinforcement in:
Slabs: 30 mm
Columns and walls: 40 mm
Foundation footings: 50 mm
 - DIMENSIONS**
No dimensions are to be scaled from the drawings. The contractor shall report any discrepancy immediately to the engineer before construction commences.
 - BACKFILLING**
All backfilling and compaction to be done to the engineers approval.
 - Blinding layers to be mass concrete.

- MASONRY CONSTRUCTION**
- All load bearing brick walls to have a compressive strength of not less than 10MPa and a class 2 mortar with a 28 day compressive strength of 5MPa as specified in SABS 0164 Part 1-1997 (Code of practice for masonry)
 - BRICKWORK**
Minimum diameter of brickwork = 2.8mm
Yield strength = 480MPa
Minimum lap length = 400mm
 - Brickwork to be placed in the first five layers of brickwork on strip footings, then after in every fifth layer in all load bearing brick walls. Place brickwork in the first five layers above all window and door openings.
 - Place 10mm softboard on top of all non-bearing walls.
 - Two layers of hardboard with grass in between to be placed on top of all load bearing brick work before concrete is placed.
 - Load bearing brick walls are shown as follows:
 - Place crimped galvanized mild steel wall ties at a rate of 5 per m² in all 200mm walls together with brickwork for 150mm walls.
 - Build in 2 x 100mm wide pre-stressed concrete lintels over all door and window openings unless otherwise indicated.
- Note:
Building of internal walls on first floor to commence after removal of formwork.



New electrical connection from existing municipal kiosk as per council's requirements

Conservancy tank suction valve point, spec by eng.
New municipal water connection as per council's requirements

SOIL VOLUME TO BE REMOVED	145m ³
BOX CUT FOR ROAD	82m ³
SLOPE DOWN SIDE	133m ³
SLOPE UP SIDE	21m ³
LAYERWORKS	21m ³
TOTAL SOIL TO BE REMOVED	381m ³

Area of road 147m²
Area of existing road 123m²
Area of slopes next to entrance road 117m²

Revisions

CLIENT:
HOUSE ROOS
ERF 222
BUFFELSBAAI

TUINQUA CONSULTING ENGINEERS
TEL (041) 382-6855

Prepared by SM	Checked by SM	Reviewed by
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Project: NEW HOUSE HOUSE ROOS

Detail: BASEMENT ACCESS ROAD

Scale: 1:100	Date: 08/09/2020
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Project No. TK 1522	Dwg. No. / 02	Rev. / R3
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