

General Energy Efficiency Notes

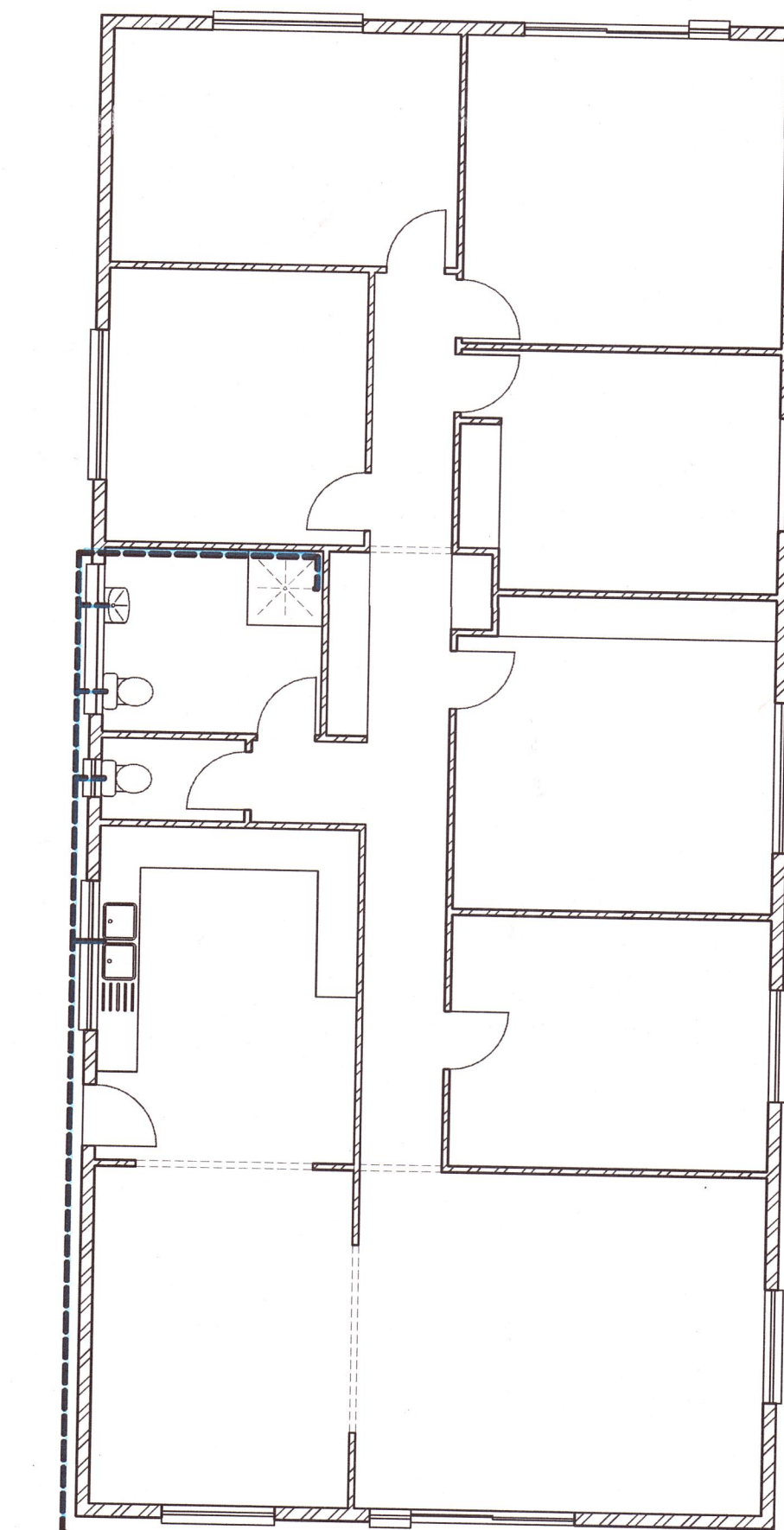
Climatic Zone 5.
 190mm external walls complies with the minimum total R-value of 0.35 in accordance with SANS 10400 XA Part 4.4.3.
 Minimum required R-value for roof is 2.7 with a downward heat direction.
 All hot water service pipes to be clad with SABS approved insulation with a minimum R-value of 1.00 (i.e 40mm fibre glass or 50mm polyester blanket insulation).
 Maximum 50% of water may be heated by conventional electrical current.
 100mm thick SABS approved Aerolite (Think Pink) Fibre Glass bulk blanket insulation to be installed in the roof of the proposed dwelling.
 Roof to proposed dwelling to be ventilated.
 5.5kW SABS approved KwiKot heat pump to be provided in the position indicated on plan to supply 200lt water heater installed in the roof as indicated on plan.
 Maximum permissible air leakage for openable glazing to be 2.0 L/s. square metres with a pressure difference of 75Pa.
 Maximum permissible air leakage for non openable glazing to be 0.31 L/s. square metres with a pressure difference of 75Pa.

Door and Window Glazing Notes

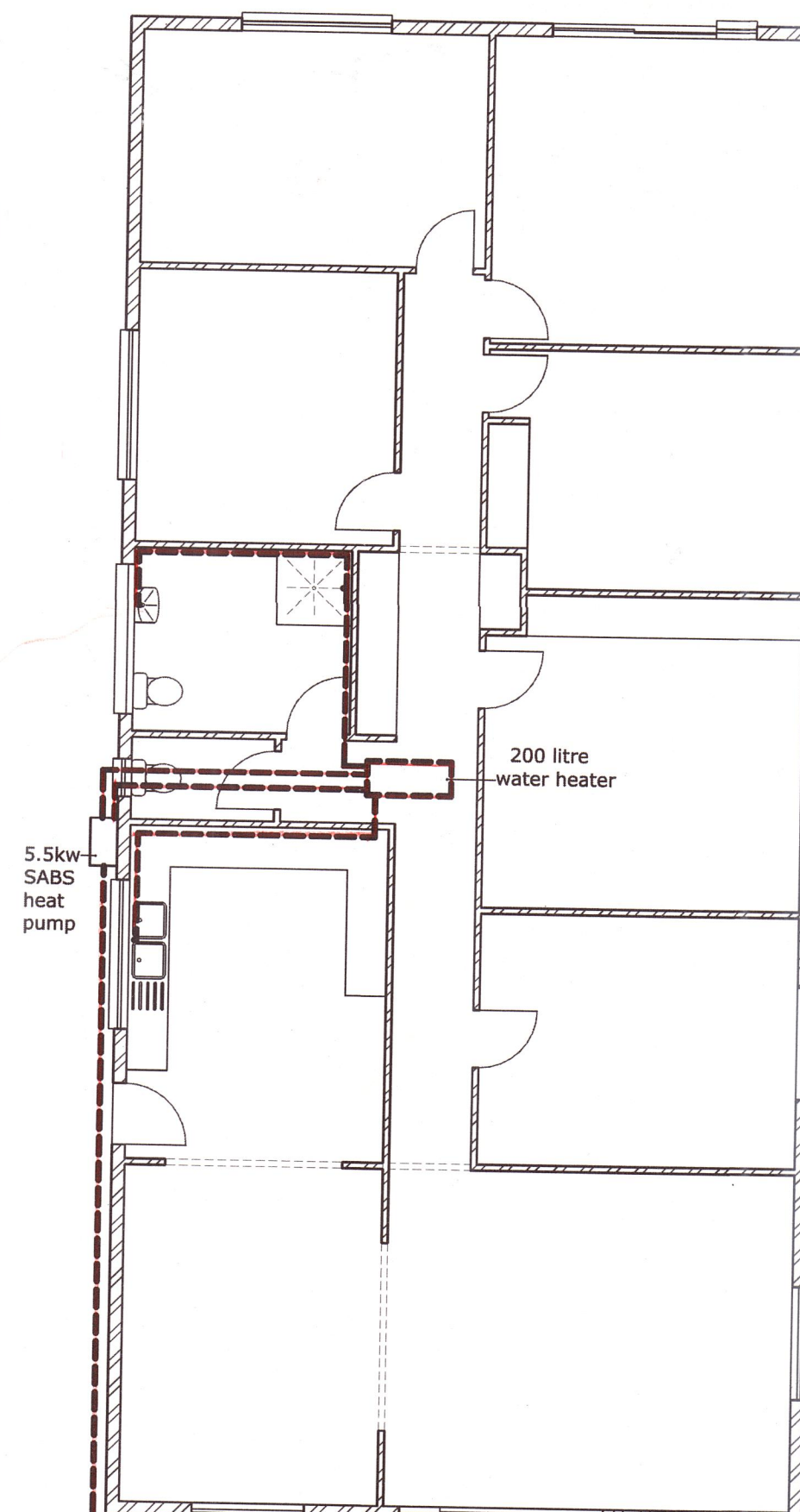
Window frames and glazing to fully comply with SANS 10400 N incorporating SANS 10137 and SANS 10160. Wind load is calculated as Category 3 - A0-600Pa in terms of Deemed to Satisfy Table based on SANS 10160. Door and window glazing to be as detailed with the relevant code number reflected below such window or door. Installer to issue a certificate upon completion of the glazing installation and that the glazing material indicated has been installed in the position indicated and such installation complies with the provisions of SANS 10137.
 No changes are to be effected to the size, thickness or type of glazing material without the prior approval of the Architectural Professional.

General Notes

700 x 220 concrete strip foundations, or to professional engineers details.
 100mm concrete floor slab reinforced with ref. 193 weld mesh on 250 micron SABS approved membrane underlay on 50mm blinding layer of clean river sand on 150mm hardcore poisoned with Chlorodane solution by specialist in accordance with SANS 10124.
 Panel size not to exceed 2.5m in accordance with SANS 10400J.
 SABS approved malthoid damp proof course to be provided.
 Two courses blockwork to be reinforced with brickforce in solid cement mortar at window cill and wall plate levels.
 Proposed dwelling to have smooth plaster and paint finish internally and externally.
 Concrete roof tiles on 38 x 38mm battens on approved underlay on gangnail trusses at maximum 760mm centres to proposed dwelling.
 Trusses to be tied down with two strands of 2.4mm diameter galvanized steel wire embedded in the wall to a minimum depth of 400mm all in accordance with SANS 10400L.
 Roof structures to be certified by the appointed structural engineer after erection. Rhinoboard ceilings and cornices. Roof pitch to proposed dwelling to be 22 degrees.
 Fibre cement fascias, bargeboards and rainwater goods.
 Stormwater to discharge into stormwater soakpits as detailed on the plan.
 Sewer to be connected to existing domestic connection manhole which discharges into municipal sewer pipes as indicated.
 Room dimensions as shown fully complies with SANS 10-400 - C.
 9Kg SABS approved dry chemical fire extinguisher to be provided to the prop kitchen of the existing dwelling and to be maintained by a fire equipment specialist.
 600 x 200 concrete strip foundations to boundary wall with plaster & paint finish both sides.
 No portion of any wall nor foundation to encroach over the boundary.



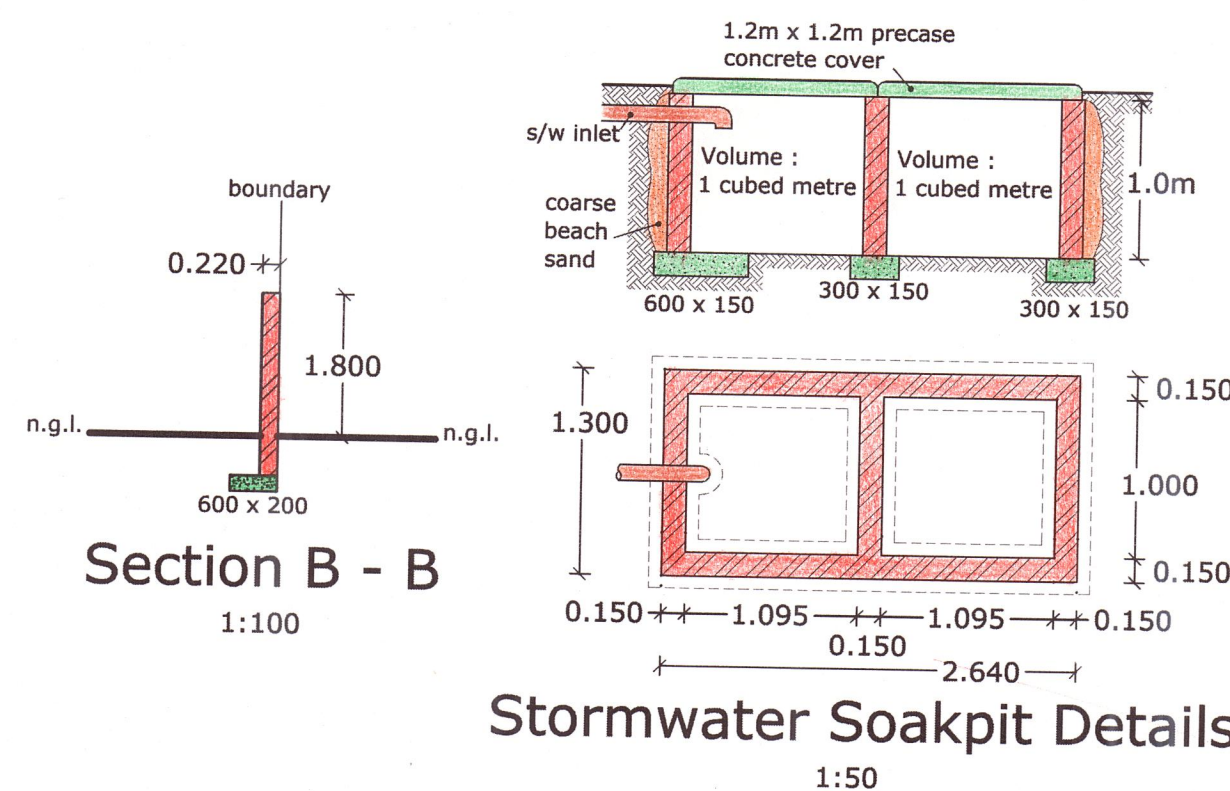
Cold Water Reticulation



Hot Water Reticulation

Table of Hardened & Roofed Areas for Stormwater Soakpits

Prop Dwelling : 225.28 sq. metres
Total : 225.28 sq. metres
 Note : Stormwater discharge from driveway area to run off onto adjacent grassed area inside property and percolate into the soil.
 225.28 sq. metres divided by 40 = 6 cubic metres of stormwater soakpit as indicated on plan.
 Soakpits to be a minimum of 3.0m from any building or boundary and to be spaced a minimum of 1.0m apart.



Stormwater Soakpit Details
 1:50

The attention of the owner is drawn to the fact that deviations to this plan and / or specifications after formal approval is likely to invalidate such approval.

CLASSIFICATION H4

LITTLEFIELD & ASSOCIATES
 Specialists in Residential Developments

Proposed demolition of existing dilapidated dwelling and a proposed new dwelling and new boundary wall for Mr. M.A. Mansoor at 256 Sirdar Road, Clairwood, Durban. Erf 522 of Dunns Grant.

Plan No. - 04/13 Authors Signature : *A.D. Littlefield*

Owners Signature : *M. Mansoor*