UNIVERSITEIT VAN PRETORIA UNIVERSITY OF PRETORIA YUNIBESITHI YA PRETORIA essay three © University of Pretoria



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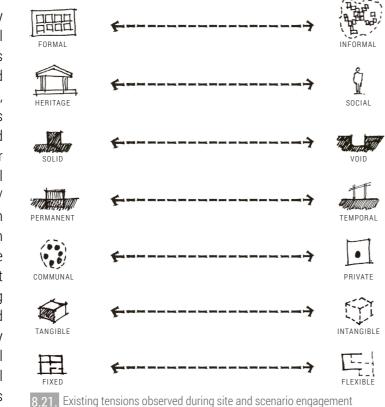
introduction

In order to navigate the tensions on site referred to in Essay Two (see Figure 8.21.) and to manifest the conceptual intention of a design that negotiates these tensions successfully (see Figure 13.2.), a strategy was developed to define various levels and progressions of permanence, flexibility, solidity, void, etc. This is because not all spaces should be represented as either fully permanent, solid and fixed or fully temporal, open-ended and flexible, but rather as a progression of these characteristics. This conceptual strategy is explored in terms of the degree of flexibility/ frequency of change over time as well as other design aspects unpacked in the various chapters. This is shown on a "scale of permanence" and temporality/transience (see Figures 13.3. and 13.4.), where the permanent (at the centre of the scale) is represented by the existing historical condition and anchoring heritage buildings, and the temporal (on the ends of the scale) is represented by the continuous appropriation and transience of the social condition on site. This scale serves as a conceptual driver, a sort of manual or guideline by which various aspects of the project are explored and manifested to continue the palimpsestic development of the site.

With the transitional housing programme being the focus for design resolution, Part 01 of this essay investigates the programme and typology of transitional housing and the precedents representative of this typology or similar typologies that guide the programmatic resolution of the site, accommodation schedule and the development of plan iterations and the flexible unit modules. The various functions and spaces are then related back to the scale of permanence in terms of programme and architectural language.

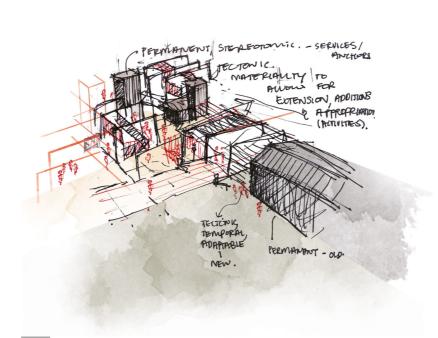
Part 02 considers the materiality and material layering of the design and the choice of materials, as well as how these manifest in the technical exploration and how this relates to the scale of permanence.

Lastly, Part 03 unpacks the environmental aspects of the project, the climatic and environmental informants and performance of the project; including the exploration of the roof form in terms of shading, solar angles and radiation, light and rainwater distribution (for collection); and the constructed wetland and grey water recycling system.



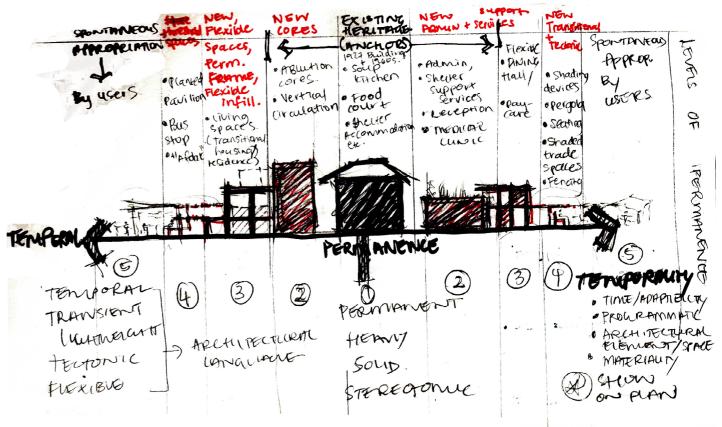
(Author 2021). Representation of similar themes influenced by

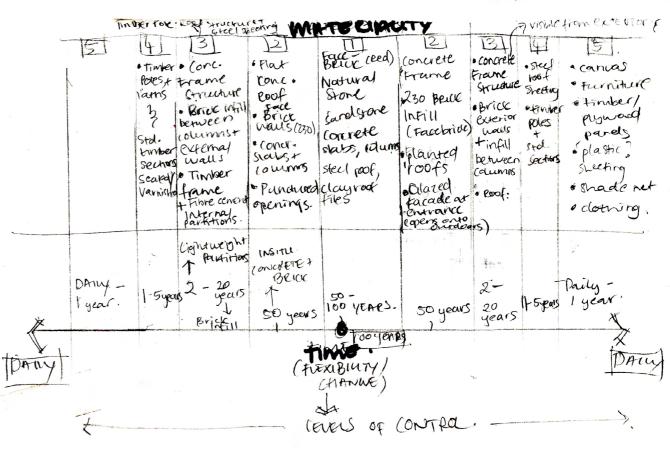
Cochrane (2018).



13.2. Concept sketch for transitional housing (Author 2021).

Fig. 13.1. Previous page: Iteration 2 of transtional housing plan (Author 2021)





13.3. Process sketch of "Scale of permanence" (Author 2021).

