

Resilient housing - Single story solution



SIMPSON ARCH ECTS each module is capable of withstanding either, and all of the five extreme weather threats in it's own right, and as a combined structure

patio creates a buffer zone from wind driven fire threat

rainwater storage tanks below patio standard modules 5m x 3.5m, 7m x 3.5m with mass of 12-17 tonne respectively

high density walls plus a 20mm air gap between pods creates a superior acoustic performance

patio bed 2 bed 3 living rumpus robe garage entry study study

an infinite combination of openings between adjacent modules can be achieved virtually any size window and door opening can be specified

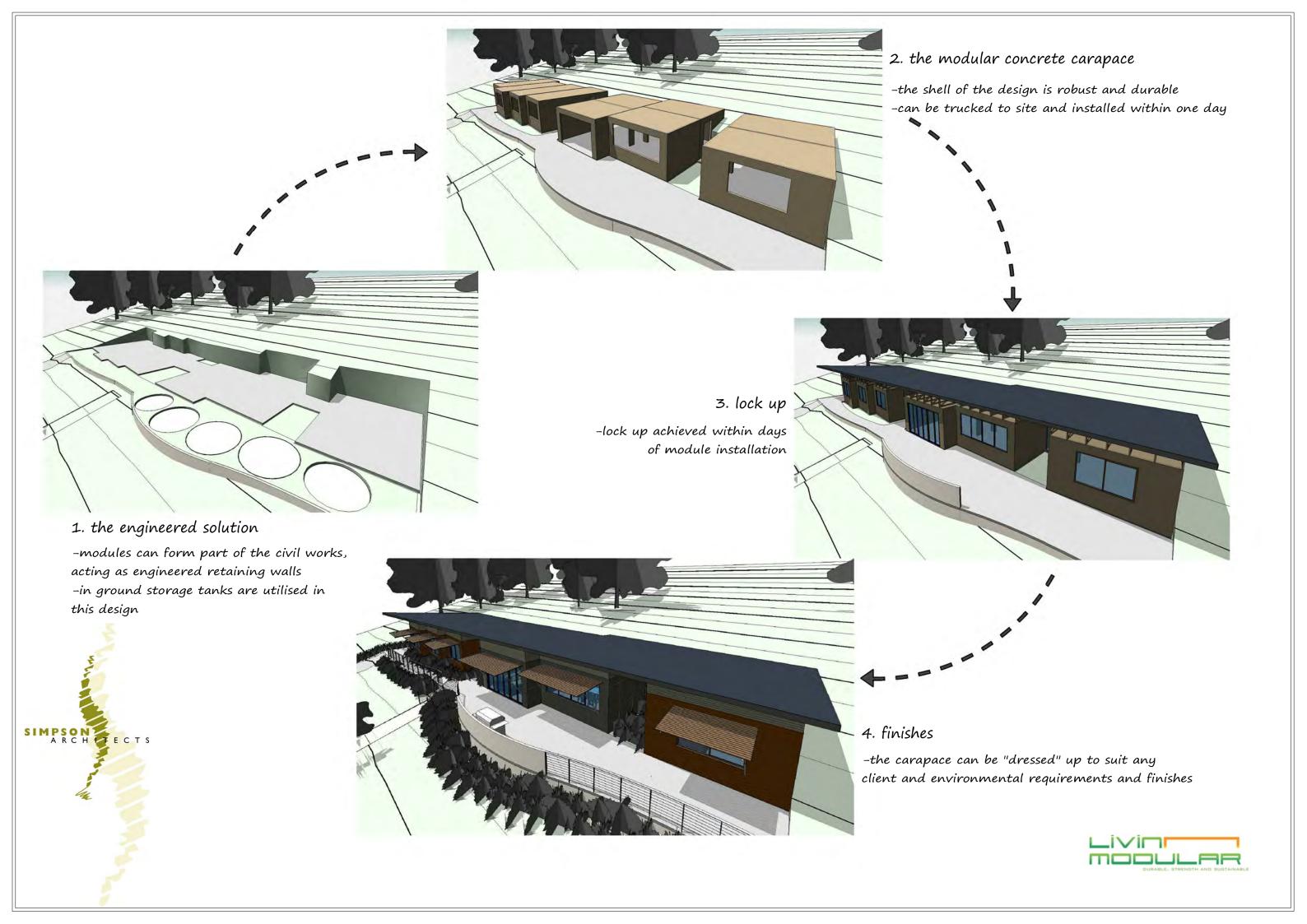
end returns on modules are perfect for containing benches, bookshelves etc.

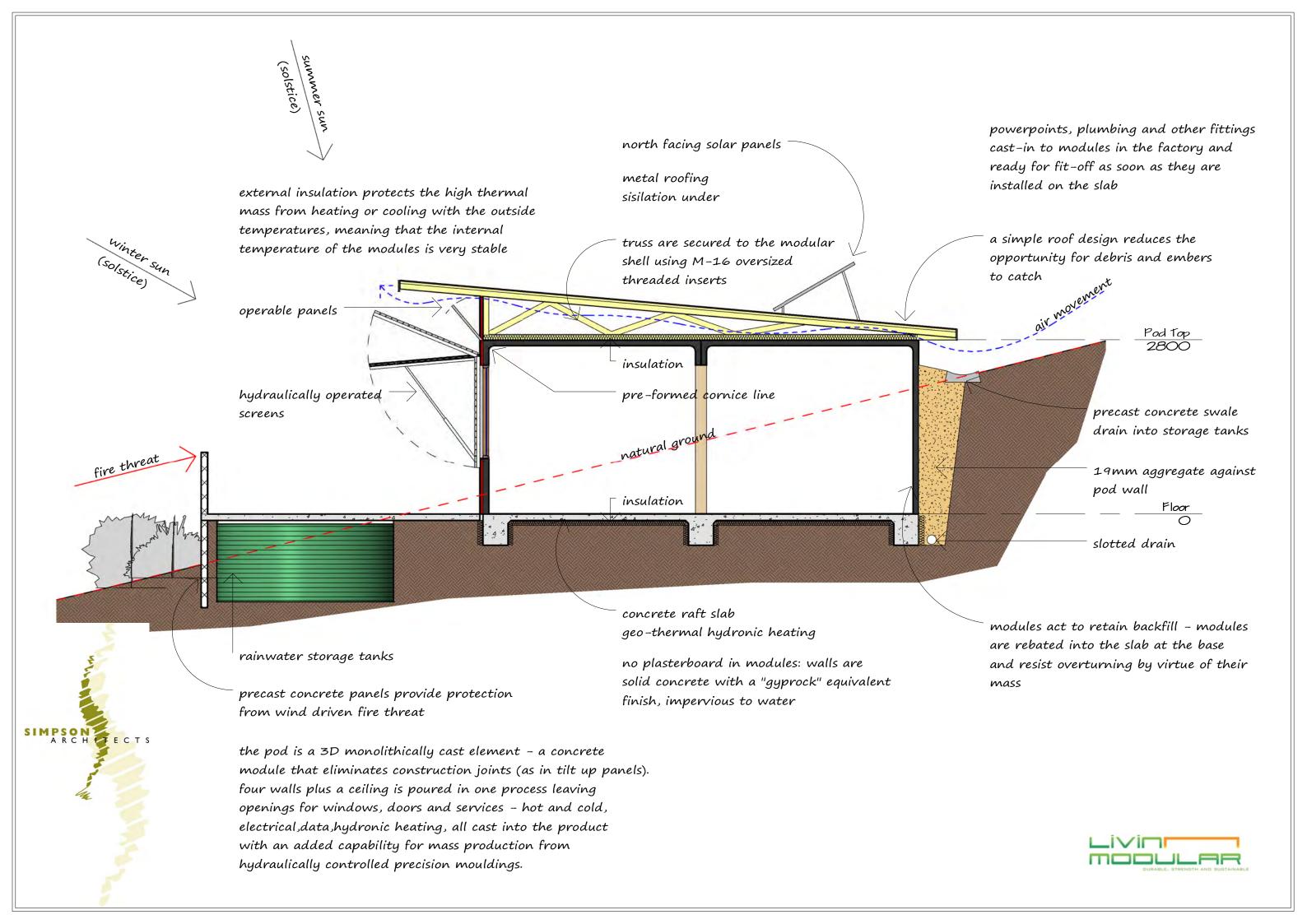
floor area: 212m² (includes garage)

each module is a structurally independent unit. The design utilises groups of these structural modules to contain damage by fire/flood to discrete area of the house

with the use of appropriate doors, we are able to seal off various zones/pods to contain the spread of damage

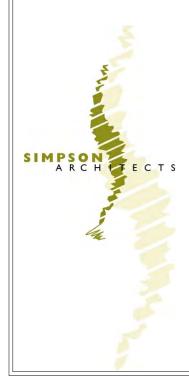






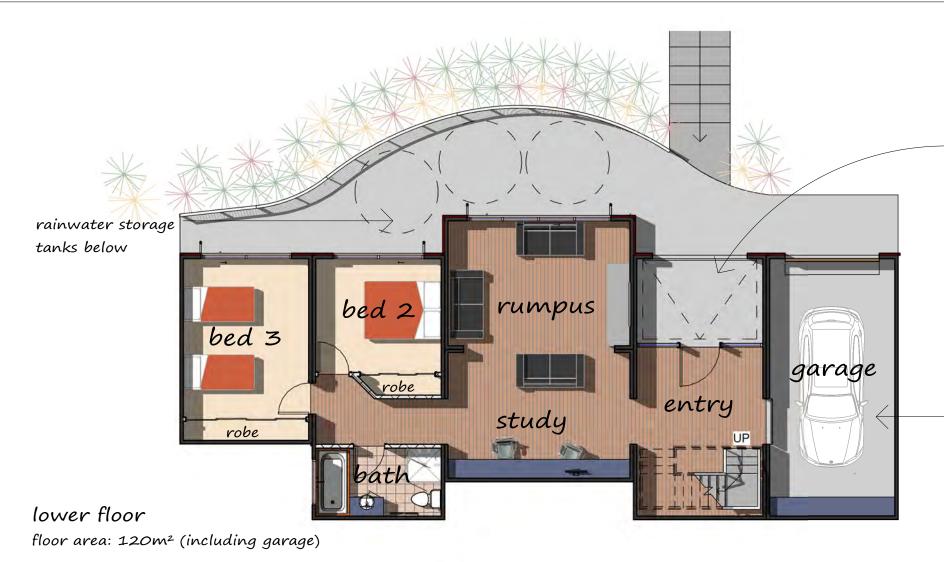






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entry setback to protect it from the elements.

a hydraulically operated screen seals opening

in hazardous conditions

pods, by default, create a larger than average garage. leaving space for a workbench, storage etc

hebel blocks are used for all internal walls meaning all walls are impervious to water

each module includes a load bearing top, allowing us to claim floor space on the pod's roof

pod tops can be finished off, polished, at the pre-installation stage. speeding up the process once again

rainwater storage tanks below patio

bed 1. Patio

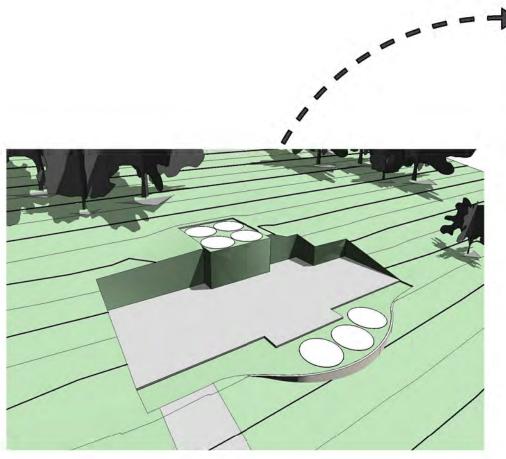
balcony

upper floor floor area : 92m²

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total floor area: 212m²





2. the modular concrete carapace

-the shell of the design is robust and durable
-a two story dwelling can be installed within two days



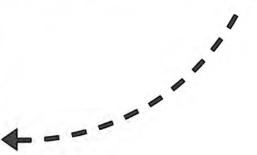
-lock up achieved within days of module installation

1. the engineered solution

-modules can form part of the civil works, acting as a engineered walls

-in ground storage tanks are utilised in this design





4. finishes

-the carapace can be "dressed" up to suit any client and environmental requirements and finishes



