

Construction considerations

an elevated floor plane, enabling services to easily run within the subfloor space.

involvement, speed of construction, integrated structural and finished surface system, and more easily quantifiable from a costing perspective.

within the dwelling. The green roof also provides considerable thermal and acoustic insulation properties.

on several trial homes with production launch awaiting.

'affordable' option.



Rationale

explores a new pattern of density that offers landscape as integral to the internal experience of a house, and shifts the built form to the boundaries.

By consolidating open space rather than distributing it around the perimeter of a building the productivity of a site can be significantly increased. The proposal challenges planning codes that reinforce repetitive development with uniform setbacks.

63.5 SITE	single storey							double storey					
	affordable			market	market			affordable			market		
	area	rate/sq.n cost		area	rate/sq.rr cost		area	rate/sq.rr cost		area	rate/sq.n cost		
land area	63.5	1000	\$63,500.00	63.5	1000	\$63,500.00	63.5	1000	\$63,500.00	127	1000	\$127,000.00	
house area	44	2400	\$105,600.00	44	3500	\$154,000.00	61	2400	\$146,400.00	61	3500	\$213,500.00	
external area	13	300	\$3,900.00	13	1200	\$15,600.00	13	300	\$3,900.00	13	1200	\$15,600.00	
TOTALS			\$173,000.00			\$233,100.00			\$213,800.00			\$356,100.00	
EXTRAS OVER													
roof garden	7.5	300	\$2,250.00	7.5	300	\$2,250.00	7.5	300	\$2,250.00	7.5	300	\$2,250.00	
solar roof sheeting	19.5	200	\$3,900.00	19.5	200	\$3,900.00	19.5	200	\$3,900.00	19.5	200	\$3,900.00	
composting toilets	1	2975	\$2,975.00	1	2975	\$2,975.00	2	2975	\$5,950.00	2	2975	\$5,950.00	
SUBTOTAL			\$9,125.00			\$9,125.00			\$12,100.00			\$12,100.00	

Note: Rate differences between 'affordable' and 'market' reflect a higher level of all fittings, fixtures, window systems and internal finishes. Extras over are optionals.