

Adaptive Housing

A More Dynamic Home

The stability with which the walls of your home persist across time can be an obstacle to providing shelter in addition to a source of it. External events may compel you to relocate, and families grow and change. Long rental contracts and rising housing costs can restrict your options to change your living situation, as can the logistics of finding and moving to a new place.

An addressability-based approach to thinking about housing could enable our society to conceptualize its possibilities in new ways, by considering how people live

at more granular levels of spatial resolution.

Your address could more closely correspond to the boundaries of the spaces you call home, whether those spaces form a house, your own apartment, or a room in a shared household. In the future we might have both static and dynamic residential addresses; your unchanging and easy-to-memorize static home address would point to a dynamic address describing the shifting locations and boundaries of the walls surrounding whatever place you happened to live in at a particular point in time.

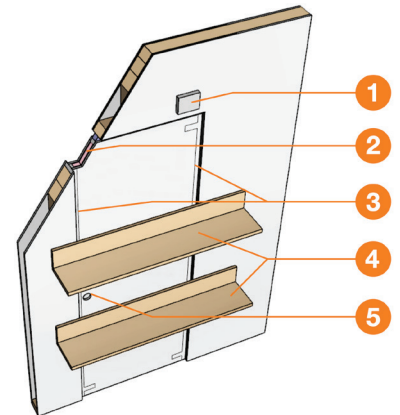
A Marketplace of Rooms

A new protocol could help people maintain the complex informational records needed in order to share physical spaces with each other in more flexible ways. Residents in different apartments could rent individual rooms to each

other at different times, with modern digital databases allowing us to keep track of a larger, more detailed and more frequently changing range of addresses than we have in the past.

A	D	D	R	E	S	S	A	B	L	E
S	P	A	C	E						

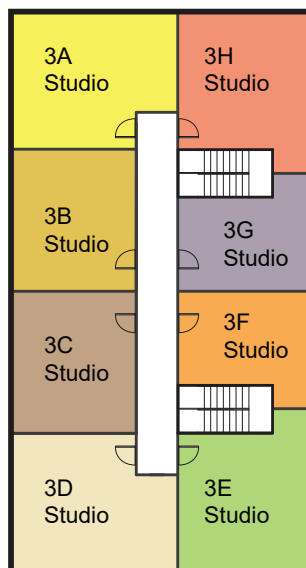
Protocol Appendix Series Apr 24
Chenoe Hart



Flexible Doorway Protocol

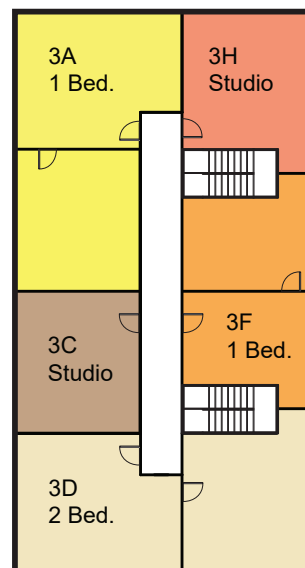
Doors used for room sharing would be solidly constructed, requiring both digital authorizations and minor renovations to unseal when transferring room access between households. Sealed doors would act as extensions of the walls, while unsealed doors would be used like any other in a home.

1. Entry/exit alarm
2. Internal sound deadening
3. Sealing glue strip (pull to release)
4. Locks on each side (one lock)
5. Semi-permanent shelves installed over sealed door



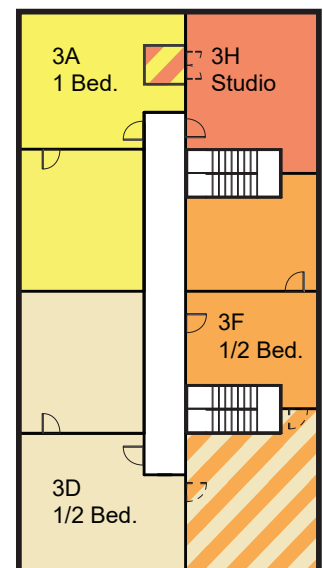
Existing Layout

Hypothetical existing apartment building floor layout.



Adaptation Scenario 1

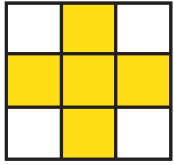
Some apartments expand over time as their neighbors move out and the families of the remaining residents increase in size.



Adaptation Scenario 2

Rooms shared between homes. 3D & 3F use one guest room at different times of year. 3A rents an extra closet to 3H.

Example Apartment Layouts



Radial Navigation

A	D	D	R	E	S	S	A	B	L	E
S	P	A	C	E						

Walking Through a Library



The novel form of the Geisel Library on the University of California, San Diego campus emerged out of a conceptual rethinking of how buildings can be designed around circulation.

The building's spherical massing was devised by its architect, William Pereira, to enable the furthest locations of books on each of its floors to be equidistantly accessible from the center of those stacks. Each floor above or below the center was staggered inward in proportion to the length of a journey to take the stairs up or down to that floor and walk to its edge.

The center of the sphere might appear to have been placed in an arbitrary location relative to the building's ground-level entrance several floors below, but since the entrance leads to an elevator providing access to the library floors that point is similarly accessible.

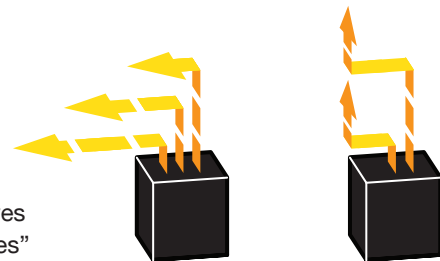
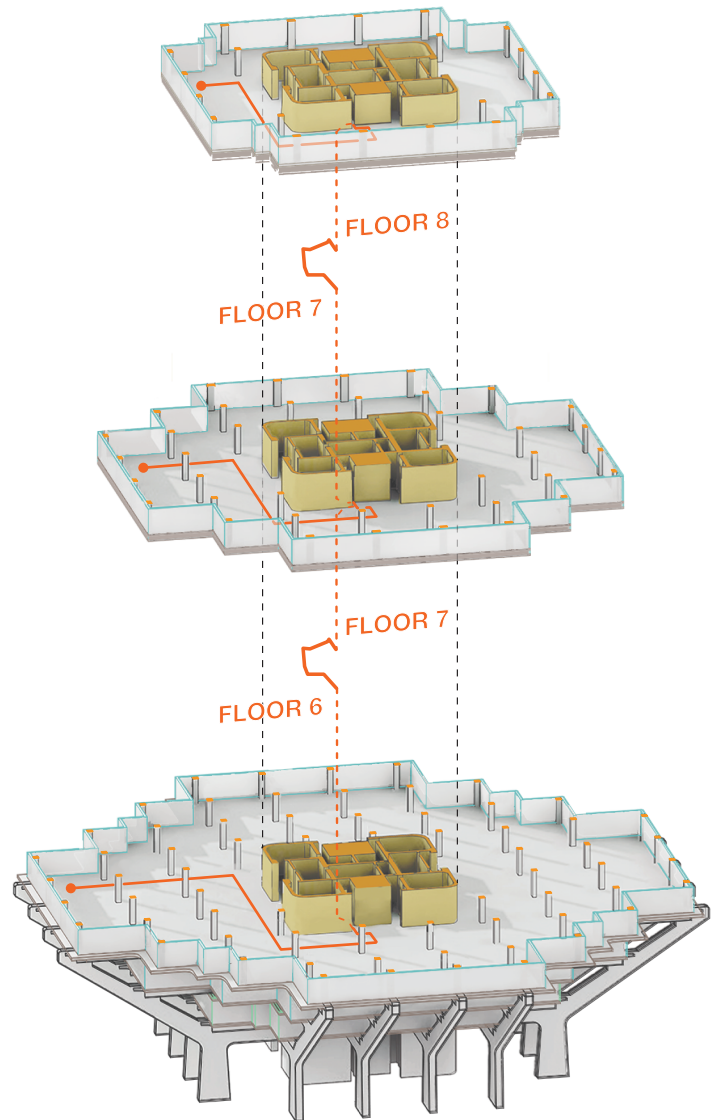
Thinking about how circulation is impacted by automated systems like elevators can lead us to discover new concepts about how to move through physical space, which have the capability of inspiring new aesthetics as well.

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Elevator Chess Protocol

Mechanically-assisted movement through physical space is like the movement of chess pieces: for every n duration of time (or turns), a special chess piece like a knight or a rook can travel greater distances and in unexpected additional directions compared with an ordinary pawn.

We can catalog the moves of potential "chess pieces" found in our physical environment, such as the sets of moves through space which elevators enable us to take or those which new future transportation technologies such as automated vehicles might introduce.



Geisel Library circulation

Greater vertical travel distance = less horizontal travel.

High-rise with express/local "sky lobby" elevators

"Travel to FL 30 to reach FL 31-49. Travel to FL 50 to reach FL >51."