

TSL Architectural Details

Contributed by mark eakle
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A new series of drawings by Paul Nii, show comparative views of land use between traditional developments and Terraced Structured Land.

These drawings demonstrate the environmental advantages of TSL construction over that of traditional sprawl development.

The "Plan View" shows the bird's eye view of TSL and adjacent recreational areas and mini-parks. The stair and ramp accesses to the ground are placed at about 330 feet apart. These parks and recreational areas would be crowded out by traditional sprawling developmen, as can be seen in these 2 drawings.

"Floor Plan of 1st Tier" locates various shaped residences, walkways, moving belts, escalators, vertical transports and societal infrastructure spaces for entertainment, education, public health & governmental services, as well as retail and commercial spaces. TSL is a city combining rural, suburban and urban areas on a man-made mountain. It reverses the time-distance factor from traveling long distances in short time made possible by private vehicles to traveling shorter distance within same time without cars by shortening proximity of facilities. The outer surfaces exposed to natural elements are for residences and farms. The residential lots command sweeping hillside views. At the same time they are connected to the urban core reached by walking across the bridge. Three dimensional travel with in the core is achieved via moving walkways, escalators, vertical transports and wide corridors leading to facilities. The "Plan" is further enlargement of the design showing different type of modular units that are placed on spaceframe platform shown as "unoccupied" lot. The surface panels of walls and floors create the space, shown as residential floor plan. There are also planter box modules, deck and lawn modules. Solar panels are place along the platform side where they cannot be seen. The wind generators are placed within the thickness of platform. The modular units allow freedom in design, ease in assemblage and reduction in budget. The "Section" shows structures hung from above platform providing column free space below. The houses are secured to top and bottom platforms for greater resistance to the horizontal loads. The houses have two entrances, walking entrance at one level and another level has entrance for human powered vehicles. Both are connected to designated path to avoid traffic conflicts. On any level, the human powered vehicles move on flat surface. The cars parked on levels between ground and the 1st tier are less dependent upon and are use more for leisure.