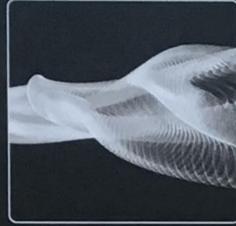
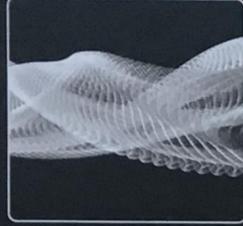




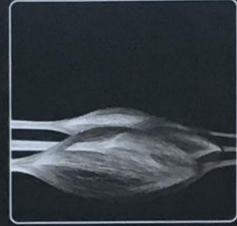
tether is constructed, carbon nanotubes tethers continue to be brought up the initial line, weaving a carbon nano-lattice of great strength. As the weight increases, additional supports from geostationary orbit weave down to support the growing Spacescraper load. A global network forms to support multiple exo-urban metropolises with a vital pulmonary transportation network, servicing the whole planet.

The transportation mechanisms rely on the use of V-trains, embarking and disembarking on stacked loading platforms distributed throughout the Spacescraper. Since the Vertical Mass Transit operates in the vacuum of the exosphere, the trains

#0515



Surface Skin Multiplication  
By synthesizing the chemical components and structural compounds of carbon nanotubes, a surface skin grows from the initial seed tether. The skin grows in a continuous, uniform, layered membrane. This occurs as the tethered materials structure integrity through the process of surface skin multiplication, increasing layering.



Spatial Growth  
Supporting the growing structure from geostationary orbit, the tethered materials structure integrity through the process of spatial growth, increasing the overall structural integrity through the process of spatial growth, increasing the overall structural integrity through the process of spatial growth.



Cross Section  
The flow from the initial seed tether to the final structure is shown in a cross section, illustrating the process of surface skin multiplication and spatial growth.

The Spacescraper creatively invents a new sky-scaper typology using advanced NASA technology. Innovative Electromagnetic Vertical Mass Transportation, carbon-fiber structural skins and advanced environmental control systems support new spacescraper technology. A NASA researched space elevator cable extends from our planet's surface into space to a center of mass at geostationary orbit (GEO) 35,786 km in altitude. Tethers are derived using digital morphogenetic principles as biomimic lattice structures. Organic spacescrapers made of carbon nano-tube fibers that extend from several localities along the equator where they are least susceptible to high winds. Spacescrapers extend in orbit to create a vast network of redundant arteries and nodal support conditions as new spatial infrastructure for innovative topological exo-urban conditions. Multiple morphologies are possible with complex sectional opportunities. Cities innervate outer space as prosthesis to an inevitable post-human condition.

Bradley C. Edwards, former Director of Research for the Inhabited Scientific Research, proposed a plausible scheme for the construction of the space elevator. His proposal suggests the erection of an initial seed tether. This initial tether would then be used to carry up successive reinforcing tethers until a suitable strength was achieved, capable of carrying payloads to geostationary orbit. Our project elaborates this research. After the initial tether has been constructed, carbon nanotube tethers continue to be brought up the initial line, weaving an intricate carbon nano lattice, capable of carrying static loads as well as climbers. As the weight increases, additional supports from geostationary orbit weave down from above to support the growing spacescraper load.

At geostationary orbit, gravity no longer affects the structure, allowing it to grow outward encircling earth like Saturn's gaseous ring. A global network forms to support multiple exo-urban metropolises with a vital pulmonary transportation network capable of serving humanity.

can travel without inhibitive atmospheric friction or the annoyance of sonic booms. Moving at thousands of kilometers per hour, the V-trains provide constant regional and international travel through the infrastructure.

By combining chemical components and structural compounds of carbon nanotubes, series of surface skin layers are derived, creating a continuous and uninterrupted membrane. Through repetition and complex multiplication of material layering, the membrane maintains its structural integrity. Using an elastic spatial planning strategy the open lattice can incorporate all organizational systems, without having its initial structure dramatically altered.



Biomimetic Biomimetics  
The structure is inspired by the natural growth patterns of carbon nanotubes, creating a biomimetic structure that is both strong and flexible.

VMT (Vertical Mass Transit)  
Daily commutes and travels no longer primarily limited to the sky plane, shift to the vacillated environment, requiring new forms of vertical connectivity. The V-train, a vertical mass transit system, is designed to provide a constant regional and international travel through the infrastructure. VMT operates in the vacuum of the exosphere, the train can travel without inhibitive atmospheric friction or the annoyance of sonic booms. Boarding above an electromagnetic track and propelled by magnetism with no moving part, V-trains travel at thousands of kilometers per hour providing constant regional and international travel through the infrastructure.

