PRECURSOR pre-cur sor | pri-kar-sar, pre-kar-1: one that precedes and indicates the approach of another 2: a substance or cellular component from which another is formed, such as the raw material used to produce carbon fiber.

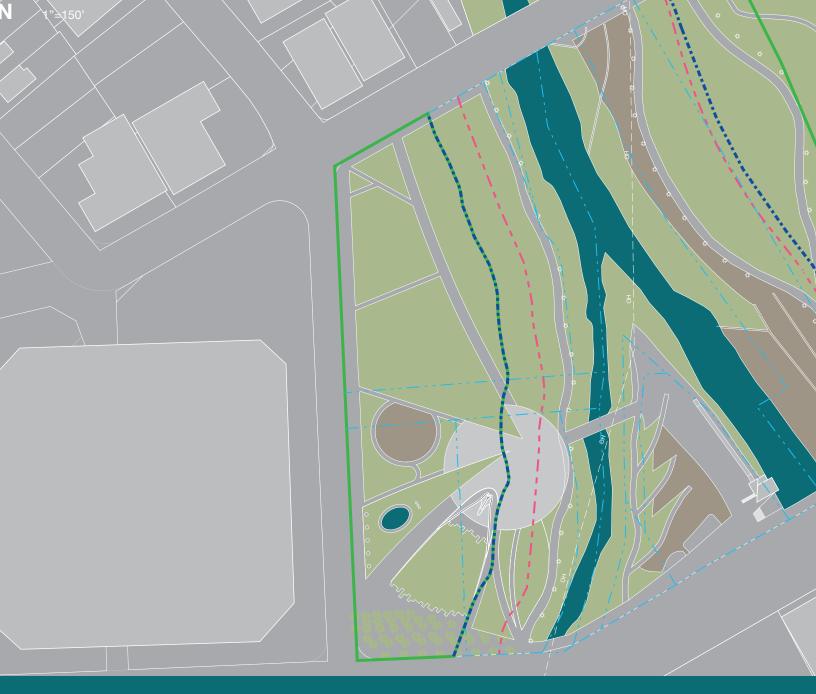
The tower is a shining beacon of light supported by a gossamer-thin Guadalupe River and Los Gatos Creek converge nearby, rise to form structure. It is also, however, a signal of great things to come, and its construction symbolizes ideological advancement. A projective work that is truly dedicated to the public, it acts as a model for the transforming city. Its ecological stance is precedent setting elements collectively become a space for music, art, performance, - demonstrating strategic site selection, energy production and sensitivity to natural habitat. By harnessing the latest material and fabrication advancements, it reflects the region's forward-thinking attitude. Simply, this tower celebrates characteristic traits of San Jose and Silicon Valley - progressiveness, open mindedness and exuberance.

While the tower is iconic, its true value is found at the ground, where it literally structures new highly functional public amenities within the park. By selecting a site not requiring drastic intervention (such as the programmable surface of OLED/LED lights. Every vantage point disruptive grading and tree removal) and with no need for relocation of existing landmarks, we are able to transform this corner of Arena Green – with a light touch. By augmenting existing topography, an amphitheater is formed in the landscape, anchored by the triangular group of palms at the corner of Santa Clara and Autumn. The two wings of the tower embrace this gathering space and, just as

a singular structure. In doing so, a diaphanous bandshell emerges behind a new public stage. The stage is an extension of the paved area beyond, now reconfigured as a large circular plaza. These markets, sports galas, ceremonies, festivals and assemblies - a truly democratic, celebratory place within the city.

As a light tower, the project is striking. During the day, the form reacts with the changing light to ethereal effect. Constructed of extraordinarily thin carbon fiber tubes supporting flexible thin film solar panels, from a distance it seems to nearly disappear as it approaches the ground, while the panels shimmer in the breeze. By night, the structure vanishes into the darkness, leaving visible only offers something new – it appears to open and close, to have mass or be extremely thin, to float and to dematerialize. It sometimes suggests profiles of other famous towers, and even resembles the California poppy, ready to bloom. It is at once a symbol, an interactive medium, signpost, public art and lantern for the city.





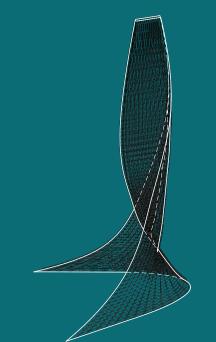
COMPOSITION

SITE PLA

The tower's geometry is derived from a semi parabolic shell structure that reverses direction as it moves upward, eventually flattening into a single thickness. At any height in the structure, the cross section is made of parabolic or multiple parabolic shapes. Similar to a serpentine wall, stiffness and bracing is derived from the curved nature of the structure in plan.

The direction of the tower is also based on prevailing winds in the San Jose area. As the tower rises, it becomes thinner and the structure grows in depth for enhanced wind resistance and aerodynamics.

COMPONENTS



STRUCTURE

fiber tubes, approximately 2"-3" in diameter, to the nodes and tubes. They will not be nodes. They are extremely light weight and topography and is not intrusive to the arranged in a space truss configuration. connected on all four sides, as their flexibility Distance between joints is balanced with will allow them to flutter in the breeze. This spots from panels is less harsh than alternatives, relocation. Paths line each side, affording open thinness of tubes to create the most diaphanous flexibility, combined with subtle reflectivity, will which benefits the riparian corridor. Similar to access for everyone. The structure of the tower structure possible. Nodes connecting the tubes bring unexpected qualities to the structure both the solar panels, they will primarily be mounted sits on a concrete base, which houses battery are 3D printed with carbon fiber reinforcement. day and night. Panels will be mounted more higher due to sensitivity of flora and fauna. Their strength to weight ratio greatly surpasses densely at the top of structure and appear to aluminum.

Digital modeling/fabrication is necessary structure, with surplus energy transferring back text displays, etc. Power and control wiring will (and cost effective) for the customized mass to the power grid. production, and will benefit accurate production scheduling and tracking. The fabrication ability for these structural parts already exists in the reaion

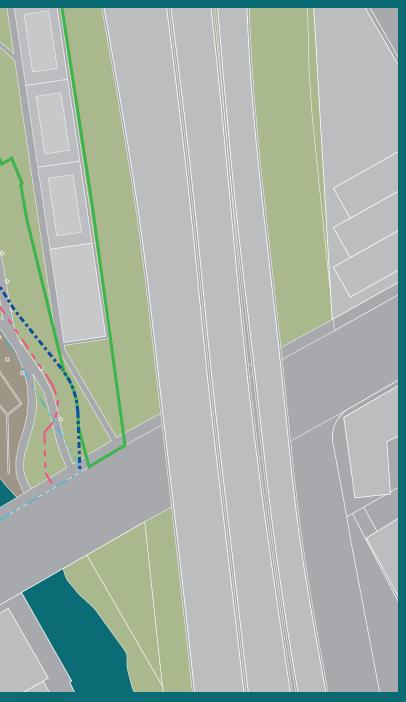
RENEWABLE ENERGY

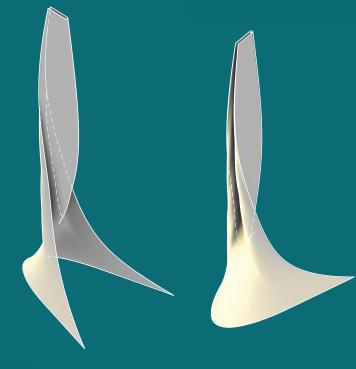
Structural elements are CNC pultruded carbon Flexible thin film solar panels are attached OLED light panels will be connected between The amphitheater takes advantage of existing dematerialize as it nears the ground. Energy Traditional LEDs will be integrated into nodes will be stored within the concrete base of the to offer further lighting opportunities for artists,

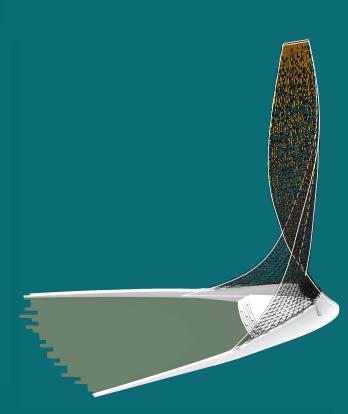
PROGRAMMABLE LIGHTING

be integrated into the tube structure.

Landscaped Amphitheater Public stage Tower structure overhead Arena Plaza Palm court Five Skaters Playground



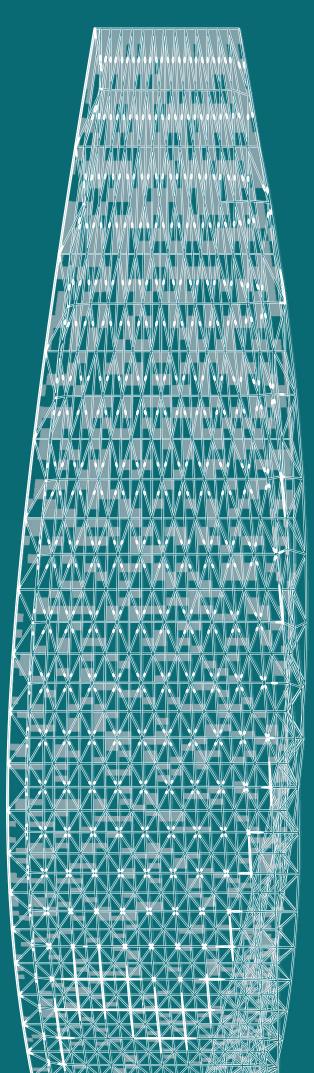


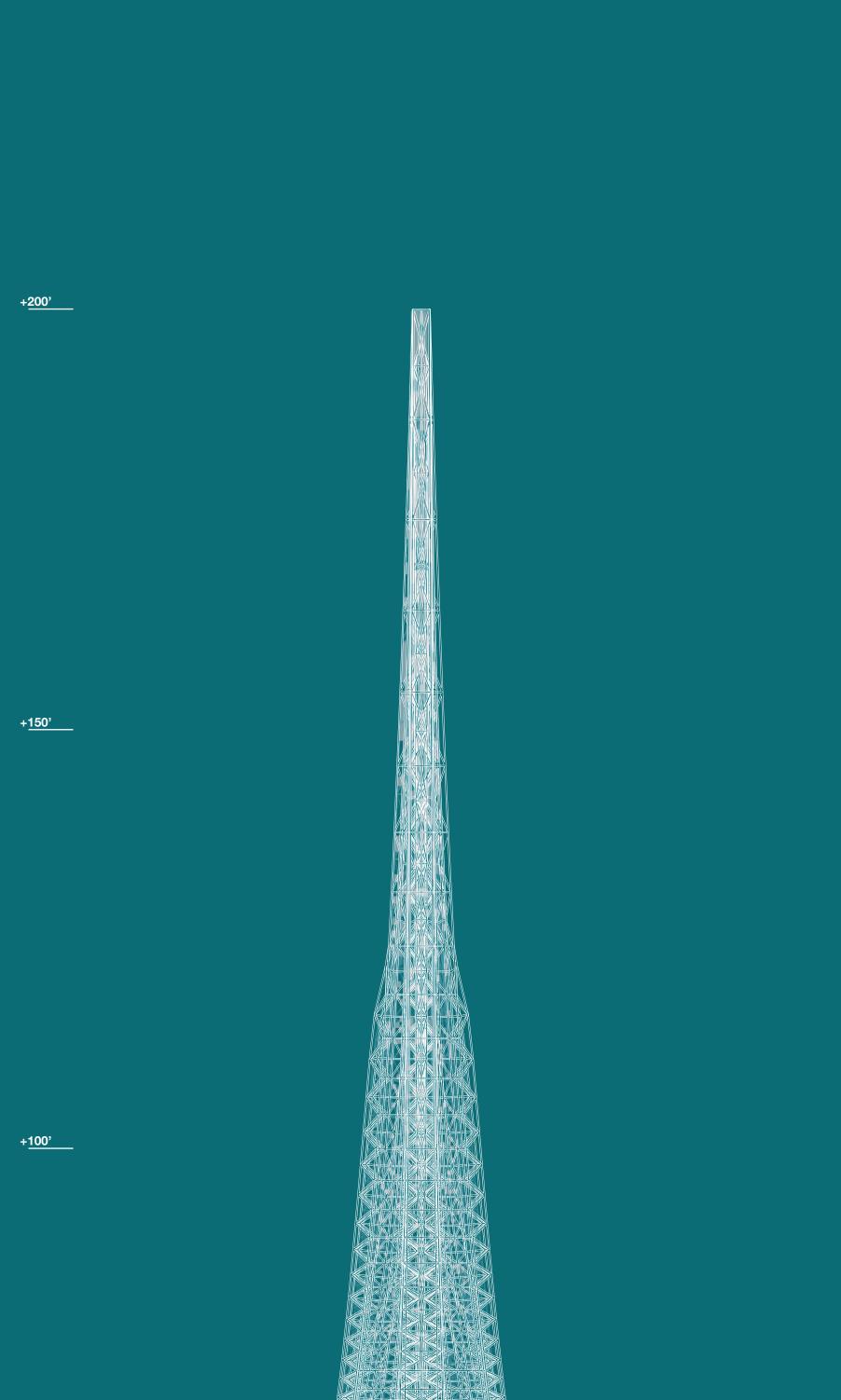


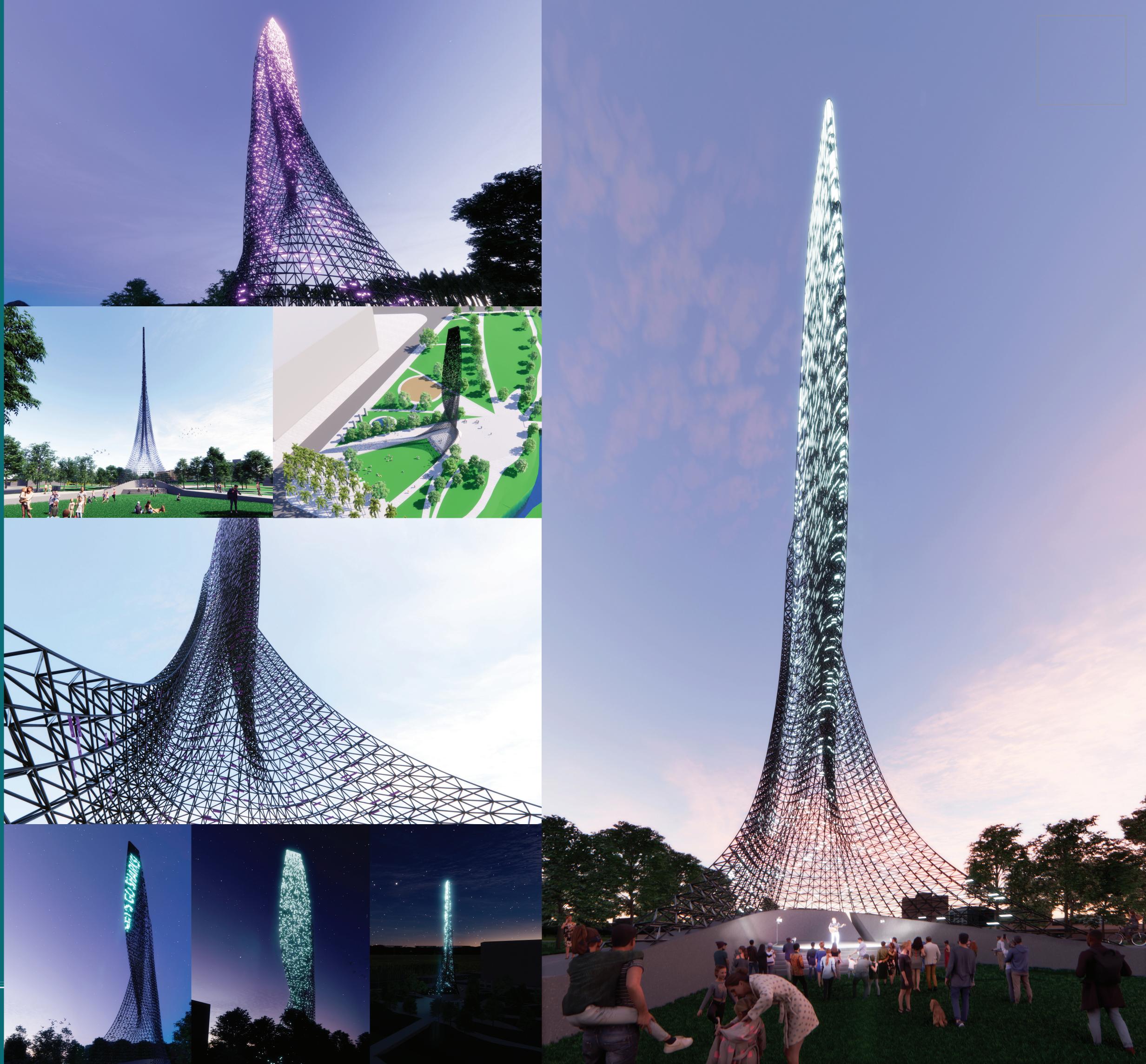
SITE STRATEGY

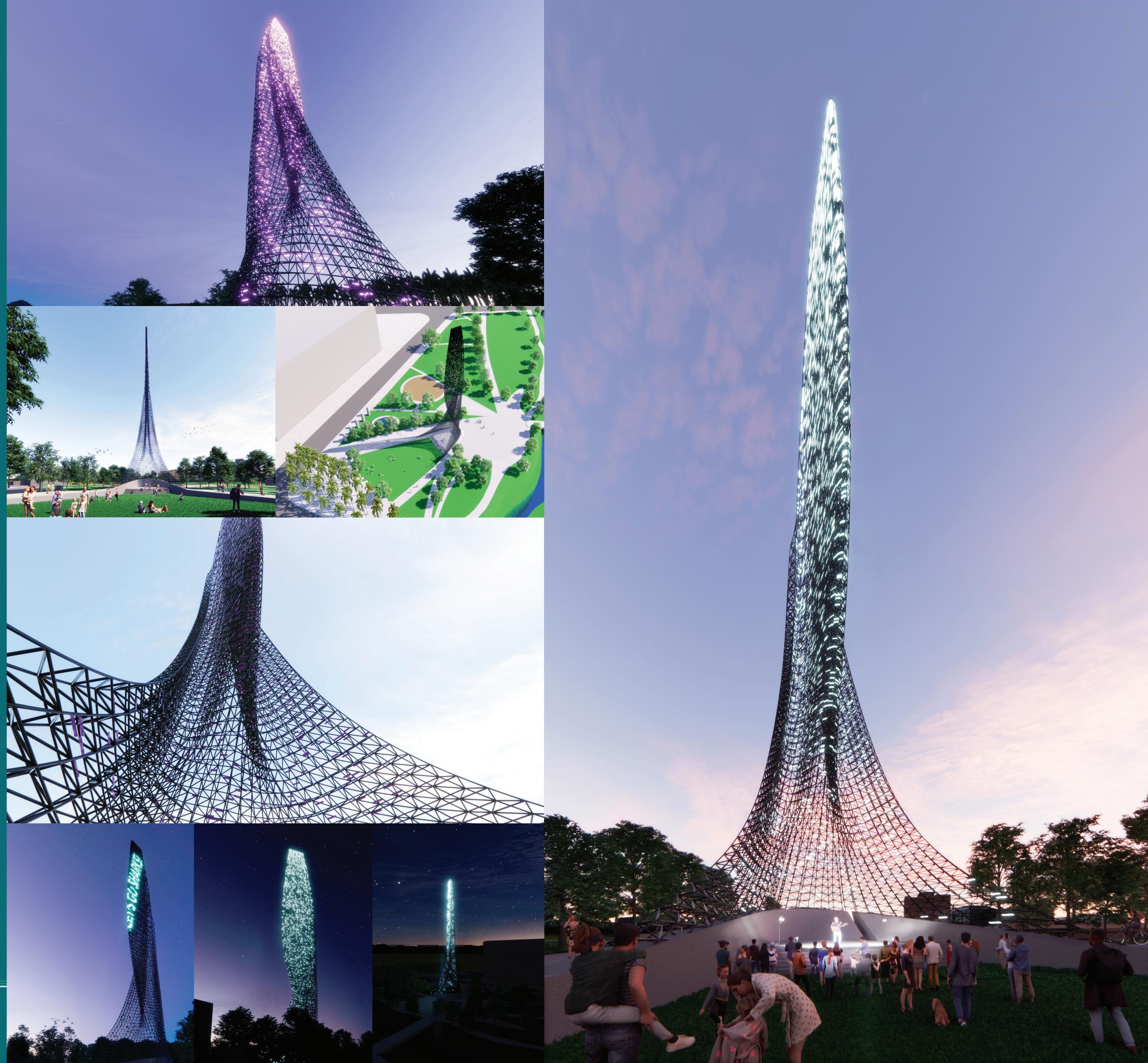
storage for solar panels and electrical controls.

require very little energy. Luminosity and hot landscape – with minimal grading and tree









ELEVATION 3/32"=1'-0"

+<u>50'</u>

+25'

+<u>10'</u>