



LIGHTING



The striations of the architecture generated by the stacking of rotating CLT elements lends itself to the possibility of using a lighting gradient strategy. Shown is an idea for a DMX color changing system up the facade, inspired by sunrise/ sunset colors on the exterior.



Exterior Section Detail: bird-friendly detail: to shield the light source: mounting an exterior grade linear light in a shielded cove, with the lens facing the architecture instead of facing downward or upward, blocks the potential for the source airplanes.

Interior Plan Detail: Hiding a linear fixture in a pocket on the interior side of the mullions prevents the source from being reflected continuously between the glass facade skin, or shining outward in a way that could reflect in water or upwards into the sky for migrating birds.

SEASONAL LIGHTING



Wildlife-friendly lighting, product research:



Luminii, Flex 44 DC Wildlife a Certified Wildlife light

Philips Color Kinetics, Accent Series

the light for surrounding wildlife biorhythms

Ecosense, Trov Flex L09

can adjust the wavelength composition of the light, for ecological considerations, while maintaining the same overall color temperature appearance.

SOLAR PANELS / NET ZERO ENERGY



Precedent: Solar Sunflowers

Proposed Solar lighting:

Selux Solar Series Poles

the lighting strategy is to have lower height and evenly distributed shielded lighting, facing downwards.

SUSTAINABLE STRATEGIES

natural & artificial trees In keeping with the two sustainability initiatives signed by the City of San Jose that commit the city to increase the number of trees it plants, the proposal calls planting new sustainable trees throughout the proposal. We would work wih local authorities and communities to select the most sustainable for the area. In addition we propose artificial solar-powered trees that provide lighting. All lighting will be explored to be bird-friendly.



to be seen, reflect in water, or shine up and affect birds or **VIEW OF THREE-TIERED VIEWING OVERLOOKS**



VIEW TO GARDENS FROM EVENT CAFE LEVEL +12



VIEW LOOKING UP THROUGH THE OCULUS FROM ENTRY LOBBY



VIEWS FROM TOWER

VERTICAL VIEWS OF TOWER

VIEWS ACROSS SITE

event cafe at +12

DIAGRAM OF VIEWS Arena Green East Site



VIEW LOOKING UP FROM PLAZA STEPS



VIEW LOOKING DOWN FROM THE VIEWING PLATFORM





WODD STRUCTURE

CROSS-LAMINATED GLU-LAM VERTICAL

STRUCTURE

TIMBER (CLT)



MATERIALS: WOOD CLT & GLULAM STRUCTURES



Precedent: Rubner Holzbau

CO2 STORAGE: glulam structures and wood elements absorb carbon dioxide from the atmosphere and help to protect our environment and our climate.

RENEWABLE: the wood types selected would be from ecologically managed forests.

HEALTHY LIVING: Wooden elements have a positive impact on the overall atmosphere, they regulate humidity and surface temperature and have a calming effect.

HIGH LOAD-BEARING CAPACITY AND SLENDER glulam structures are manufactured to order and offer top load-bearing capacities.