PHASE 1: SOUTH EAST BALCONY SOLAR INSTALLATION

DESIGN RESPONDS TO SITE ISSUES & CONCERNS

EMU MASTER PLAN
- towers are designed to be easily dismantled and relocated when the balcony is repaired or remodeled

VISIBILITY & AESTHETICS
- design draws on and compliments EMU architecture
- towers continue the lines and pattern of sono tubes that support the deck and wood seats reflect the skylight lounge

INSTALLATION/CONSTRUCTION
- steel pole connections are engineered to support the weight of the 8’X8’ PV arrays and withstand wind loads
- height of panels deters vandalism
- construction costs should be less than $5000

ELECTRICAL INTERTIE
- PV system will intertie with the buildings electrical grid and power output will be displayed on the towers
- power will be sold to EWEB for premium rates and/or fed directly to specific building loads

SOLAR TOWER = 1kW

monitor: real-time & cumulative power production readout

Mark R. Richards Engineering, Draft
Works in Progress by Kathy Bash