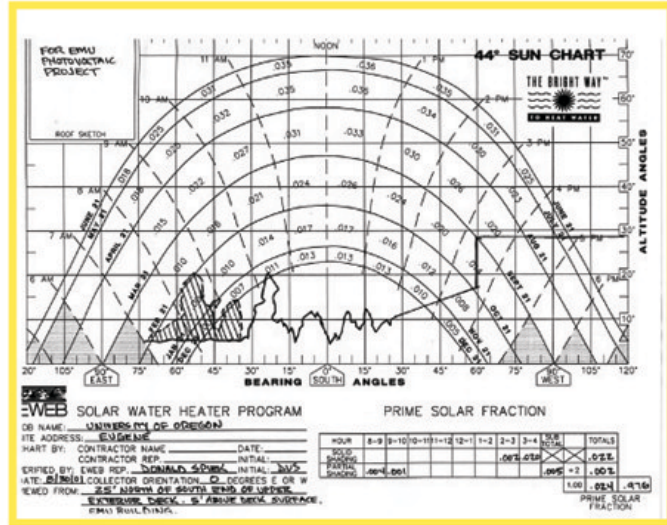


# PHASE 1: SOUTH EAST BALCONY SOLAR INSTALLATION



EWEB Sun chart for SE balcony



Photo simulation of solar towers on EMU SE balcony



Ceiling panel detail from skylight lounge



View of SE balcony looking south

## 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

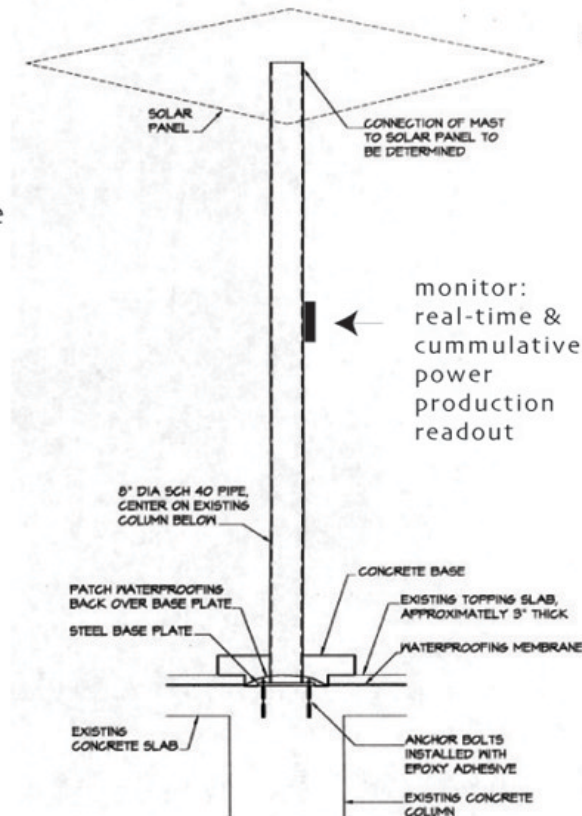
### INSTALLATION/CONSTRUCTION

- 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

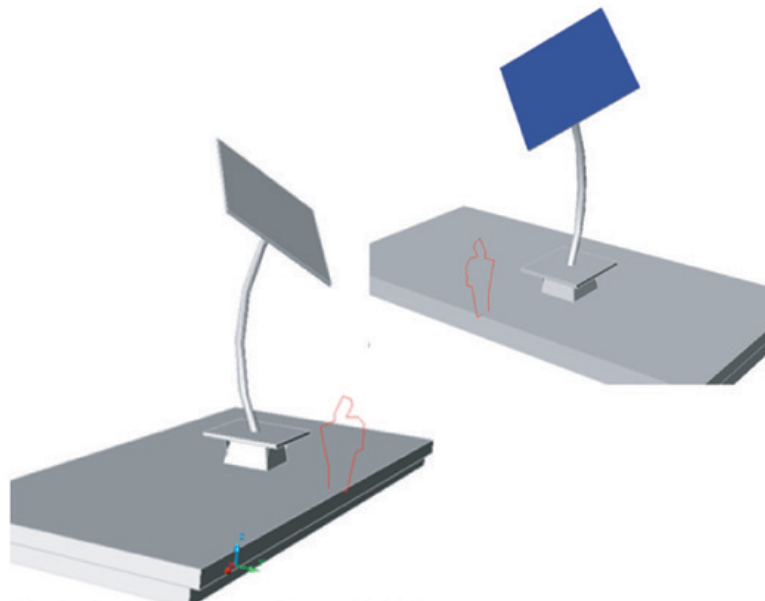
### ELECTRICAL INTERTIE

- 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



Mark R. Richards Engineering, Draft



Works in Progress by Jesse Garlick



Works in Progress by Kathy Bash