# Sidelighting: To provide task lighting...



# **Age-Old Adages**

1. Openings high in the space distribute light deeply





Admin Building CalPoly Pomona Predock



Windows for light over windows for view

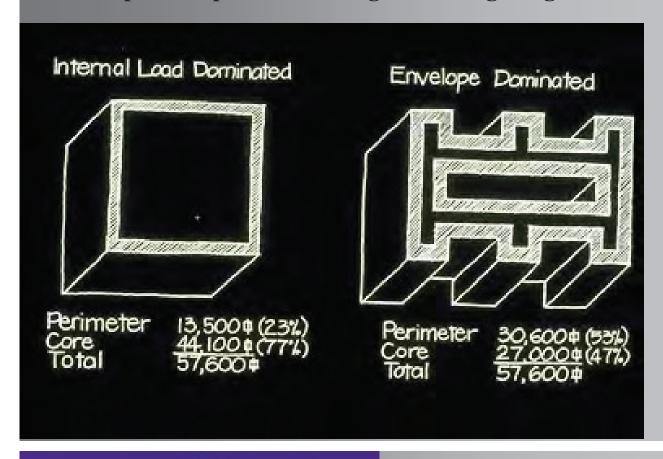
## **Age-Old Adages**

2. Workplaces should be close to windows



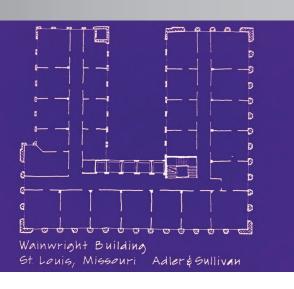


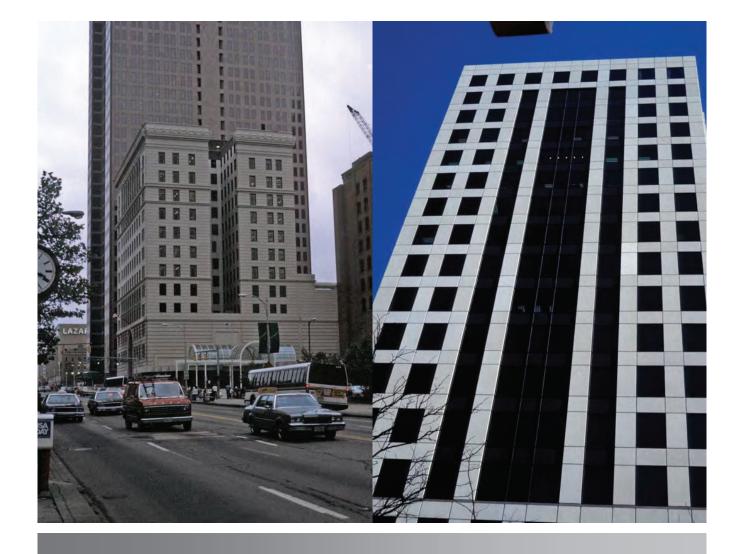
#### Expanded perimeter for good sidelighting...





...means lightwells and atria...





## **Age-Old Adages**

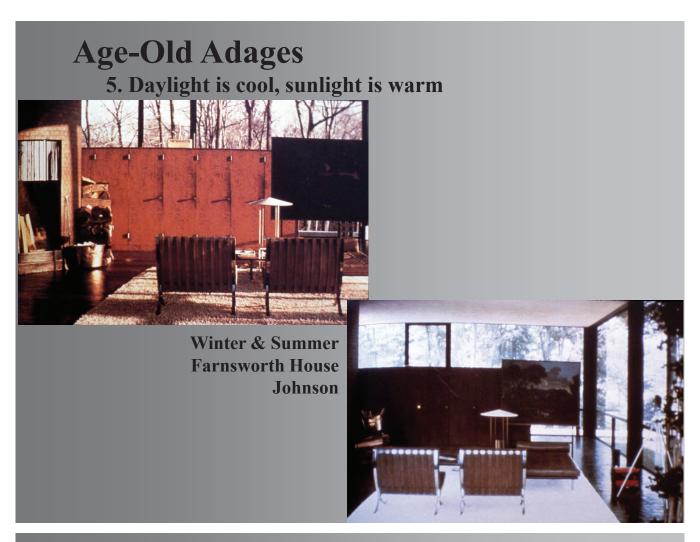
3. Sidelighting is best for tasks



Woman Ironing Edgar Degas, 1882

St. Jerome in his Study Albert Dürer, 1514









## HOW?

#### Rules-of-Thumb

2. Avoid glare with apertures in two surfaces

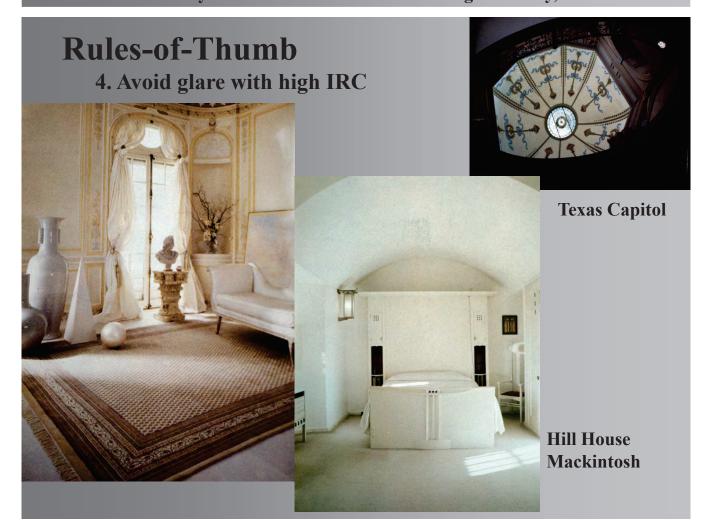




**Memorial Gym** 



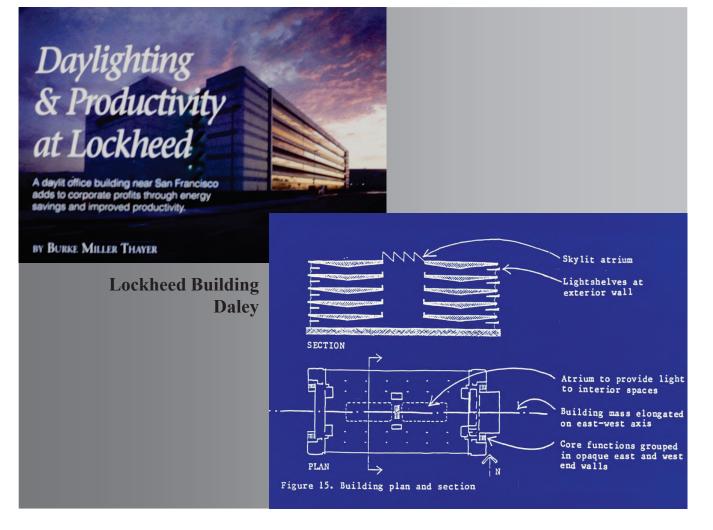
Mt. Angel Library, Aalto

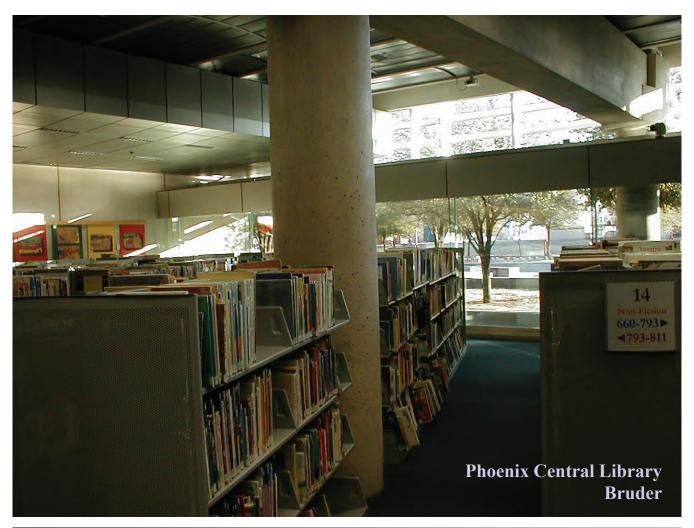


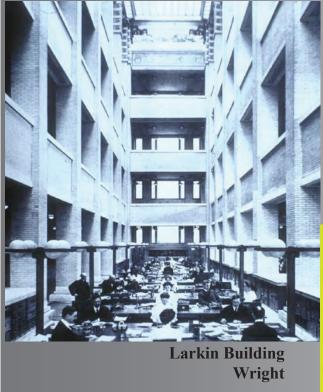
#### Rules-of-Thumb

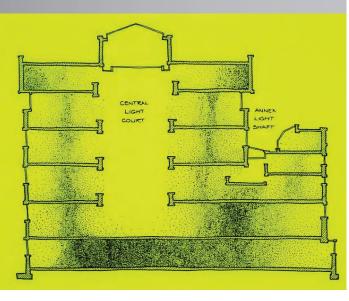
5. Daylight is sufficient @ 2x window height











# Bateson Building Sacramento, CA

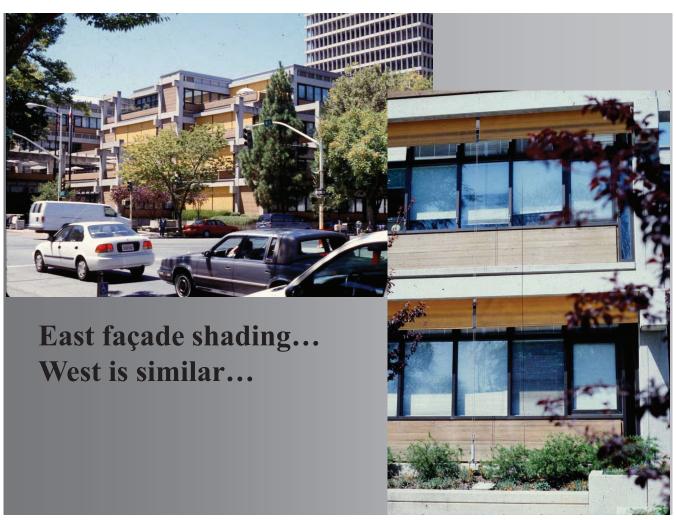




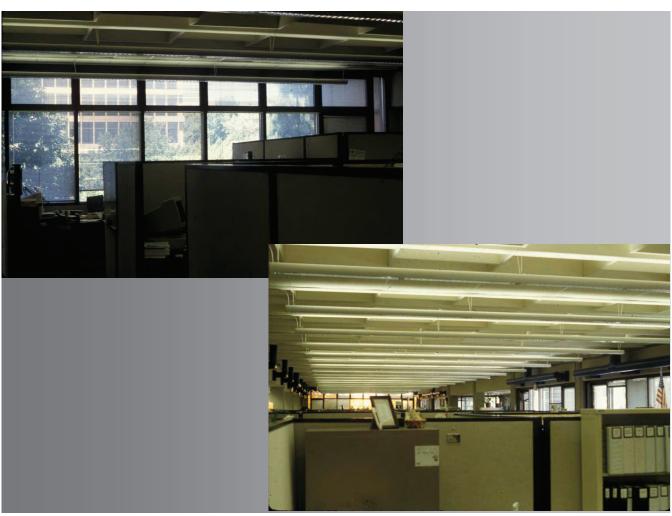


**Shading South façade vs shading North façade...** 



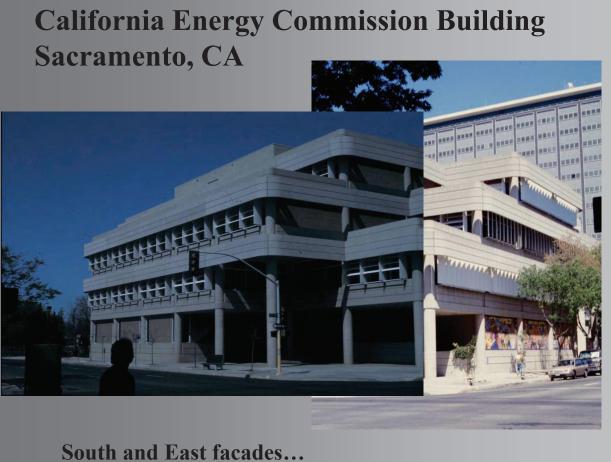




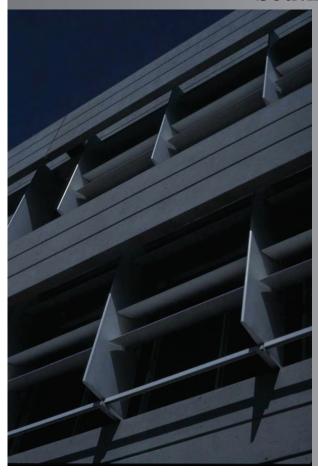








#### South & East









Site C-1, Sacramento, CA



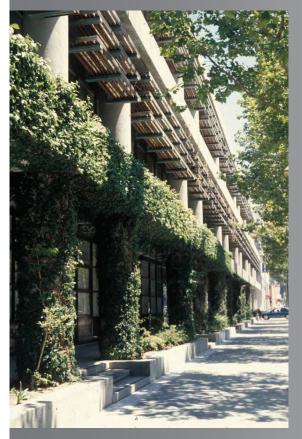








# California State Office Bldg, San Jose, CA



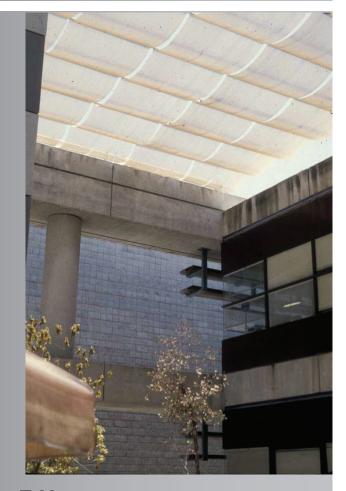
West façade (3)



South façade (2)

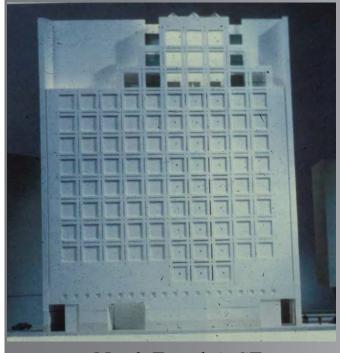


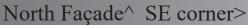
Courtyard

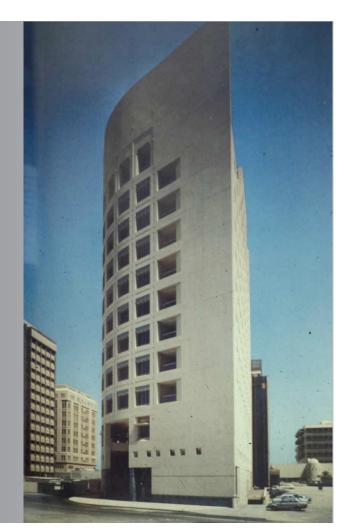


Toldos

#### United Gulf Bank Bahrain SOM



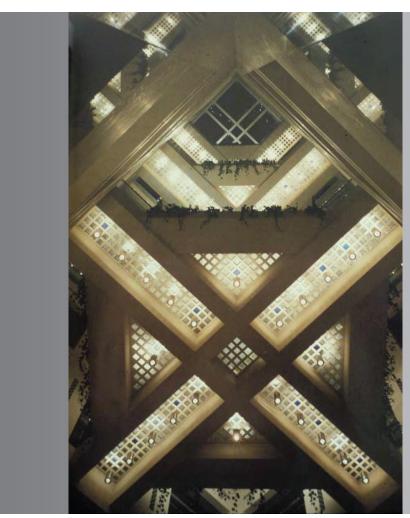




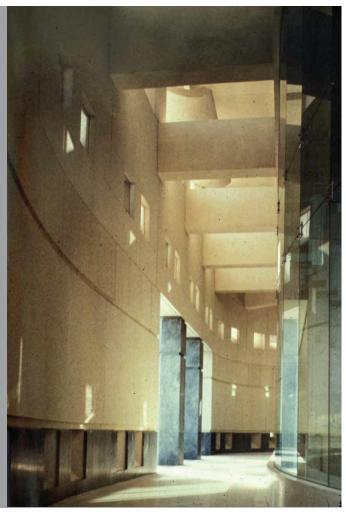


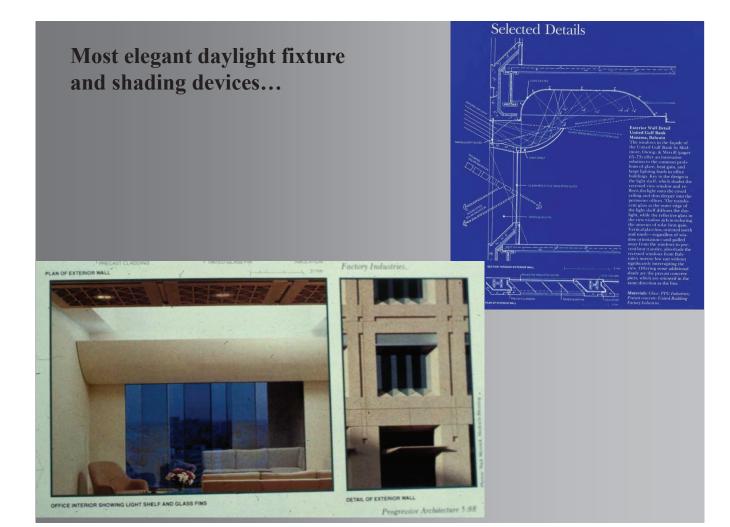


Upper Atrium view to North









# Chiswick Park: An Ode to Shading Richard Rogers Ove Arup & Partners































