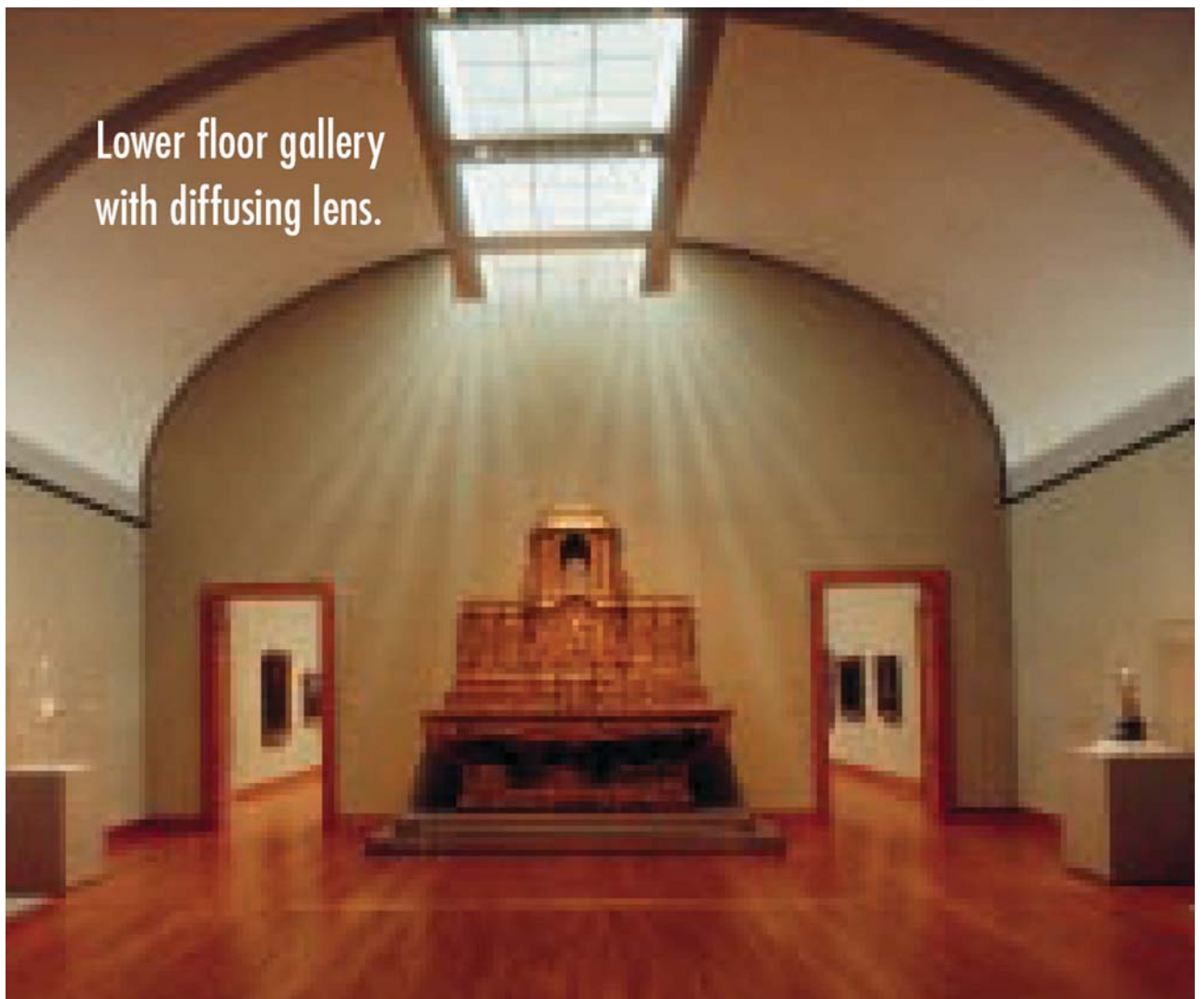


# National Gallery of Canada

Ottawa, Ontario 1988 Moshe Safdie



## Daylighting Features of the National Gallery of Canada

**1 Skylights**  
in order to minimize heat loss, skylight consists of clear thermopane assembly with low E coating and width is limited to six feet

**2 Motorized Roller Blinds**  
fabric roller blinds mounted on the inside of each skylight above the galleries are controlled automatically by a photosensor located in the skylight in order to maintain desired light levels

**3 Reflective Light Shaft**  
six foot wide mirror-lined shafts extend 25' from the upper floor to the lower to propagate light to lower-level rooms

**4 Prismatic Diffuser Lens**  
prismatic acrylic lens at ceiling level helps to diffuse daylight across the lower gallery

**5 Automated Blinds**  
in side galleries, daylight is brought in through a vertical clerestory with automated blinds mounted on the interior of the clerestory

**6 Fixed Louvers**  
wide aluminum louvers, installed at a fixed pitch to prevent direct sunlight penetration, are mounted inside the clerestory of the side galleries

**7 Electric Lights**  
most of the electric lights in the galleries are spotlights, linked to a building management system where curators can decide when to turn the lights on or off, based on scheduling, season, time of day, and curatorial specifications

