

### Project

Penwal engineers and fabricates dozens of decorative, complex chandeliers for Great Mall in Northern California.

Fixtures are UL listed and made from fire rated materials.

### Scope of Work

- Design Refinement
- Engineering
- Project Management
- Sculpt and Mold Making
- Mock-ups and Maquettes
- Craftsman finish
- Custom Lighting
- UL Listing
- Installation

### Client

Simon Property Group.  
Design by Perkowitz + Ruth.



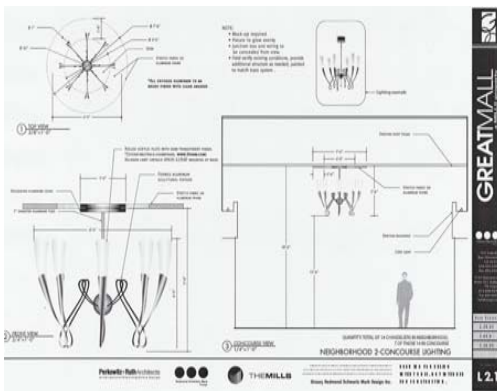
Penwal fabricated multiple, highly decorative and complex custom light fixtures for Great Mall in Northern California.

## Preserve Your Design Intent

Penwal leapt at the challenge of creating dozens of decorative, complex chandeliers. These light fixtures, designed by Perkowitz + Ruth, featured multiple curves and challenging geometric shapes. They also required lighting through custom artistic diffusers. The design intent had to be met precisely.

Penwal researched available diffusers and tested a variety of materials to identify precisely the correct ones to use. We produced mock-ups and worked with the designers and owners to achieve exactly the desired look.

Once that was achieved, Penwal's artistic craftsmen began to shape and assemble the fixture. All chandeliers were UL listed.



Penwal carefully selected materials based on design drawings.



Diffusers were tested to ensure that the correct effect was achieved.



Penwal fabricated the elements precisely to their design intent.