The Origen Experience @
The Las Vegas Springs
Preserve

Ernie Podaca•ABS 643 – Interior Light Design• Dr. Kroelinger•Fall 2007
The Origen Experience

- The Las Vegas Springs Preserve
- 180 Acre complex
- Once the location of an artesian spring that supplied water to early settlers

Site Plan
Courtesy of The Las Vegas Spring Preserve
http://www.springspreserve.org/html/visit_amenities_map_preserve.html
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- Opened on June 8, 2007
- 49,510 sf
- Building consist of
  - Rotunda
  - 3 Permanent Galleries
  - 1 Special Exhibits Gallery
  - 156 seat theater
- Striving for LEED platinum certification
- Visitors will become acquainted with Las Vegas’ cultural heritage
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- The building is organized along a “creek” path relative to the other buildings anchoring the structures to the site
  - Exterior walls are reminiscent of canyon walls
- Organized around Rotunda
- Allows visitors to experience the spaces in a non-linear manner
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Rotunda

- Flowing water underneath the walking surface
- Water feature visually orients the visitor
- Circular clerestories with color glazing allow an unique spectrum of light into the space
  - Reminiscent of the color of water
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Rotunda

- Ambient Layer
  - Daylighting from circular clearstories
  - Electrical Light provide ambient light only at night
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Rotunda

• Decorative Layer
  – Cove Lighting
  – Floor – Wall slot lighting
  – Floor – Soffit slot lighting
  – Uplighting - Scallops
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Rotunda

- Decorative Layer
  - Floor Lighting with blue-green color rotating lenses
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Exhibit Spaces

• Ambient Layer
  – Track lighting used in other lighting layers
  – Compact florescent industrial downlights
    • Normally not used, except when exhibits require maintenance or replacement
  – Select areas use recessed can lights (see decorative layer slide – Exhibit Spaces)
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Exhibit Spaces

- Focal Layer
  - Tracking Lighting
  - Lighting in this layer may also be task lighting
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Exhibit Spaces

• Decorative Layer
  – Pendent lights
  – Scallop downlights
  – Uplighting employing a wall grazing technique
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Exhibit Spaces

• Decorative Layer
  – Blue circular cove lighting
  – Wall-Soffit blue slot lighting
  – Downlighting employ a wall grazing(?) technique or perhaps a bad wallwashing(?)
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Special Exhibit Space

• Ambient Layer
  – can downlights installed at roughly 12’ AFF
    • can lights attached to a track-like element that follows the curvilinear nature of the space
  – Compact Florescent Industrial downlights
  – Curvilinear reflective wall surface
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Exhibit Spaces

- Focal Layer
  - Cable track lighting
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Design Team (Tate Snyder Kimsey)
Architect: Tate Snyder Kimsey Architects
Civil Engineer: Poggemeyer Design Group
Client/Owner/Developer: Las Vegas Valley Water District/Las Vegas Springs Preserve
Electrical Engineer: JBA Consulting Engineers
Interior Designer: Tate Snyder Kimsey Architects
Landscape Architect: e Group
Mechanical Engineer: JBA Consulting Engineers
Structural Engineer: LERA
Other involved: Jones Studio (Environmental Design)
West Office (Exhibit Designers)
Dieli Howe Smith (Food Service)
LAM (Lighting Design)
ARUP (Acoustical Consulting)
RJA (Life Safety)
Converse Consultants (Soil & Foundation)
ESG (Cost Consulting)
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References


