







Design

Systems







Design

- Form Concept
- Space Planning
- Lighting
- Circulation

Systems

- Structural
- HVAC
- Plumbing

- Energy Analyses
- Climate Consultant
- Autodesk Insight







Design

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Systems Sustainability

- Waves, infinity
- Canopy
- Volumes
- Terraces

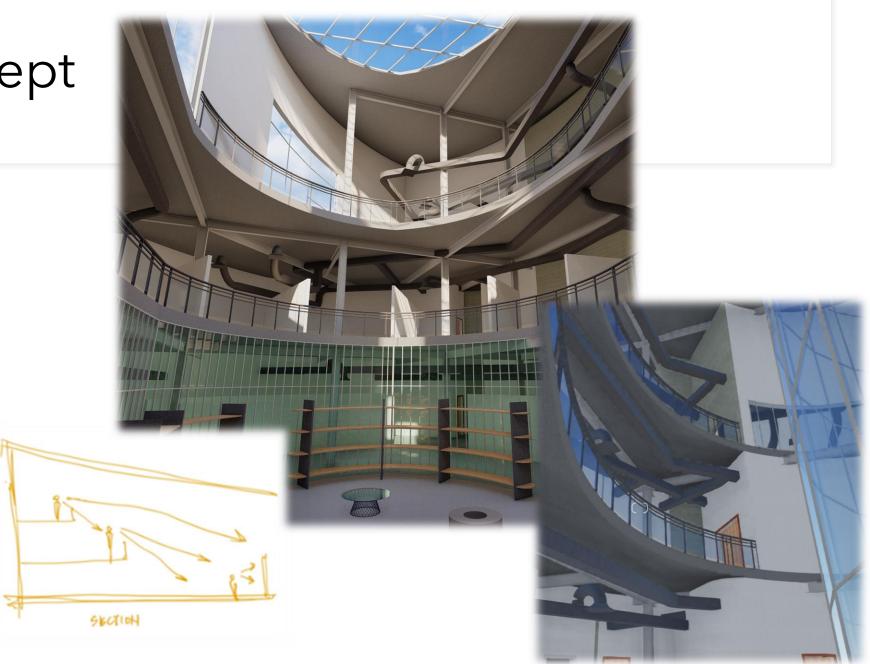




- Waves, infinity
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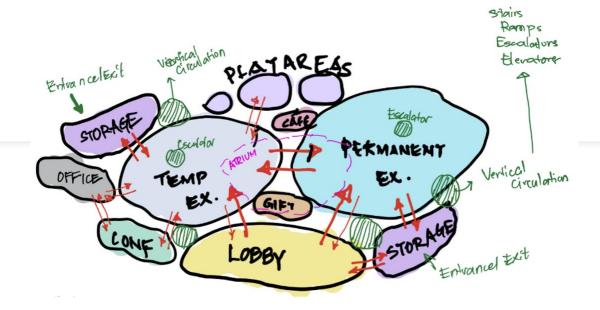


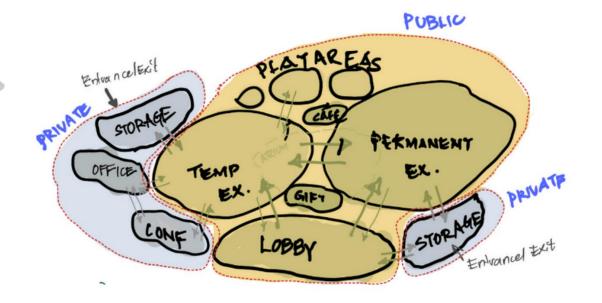
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Space Planning

- Bubble Diagram
- Private vs Public Areas





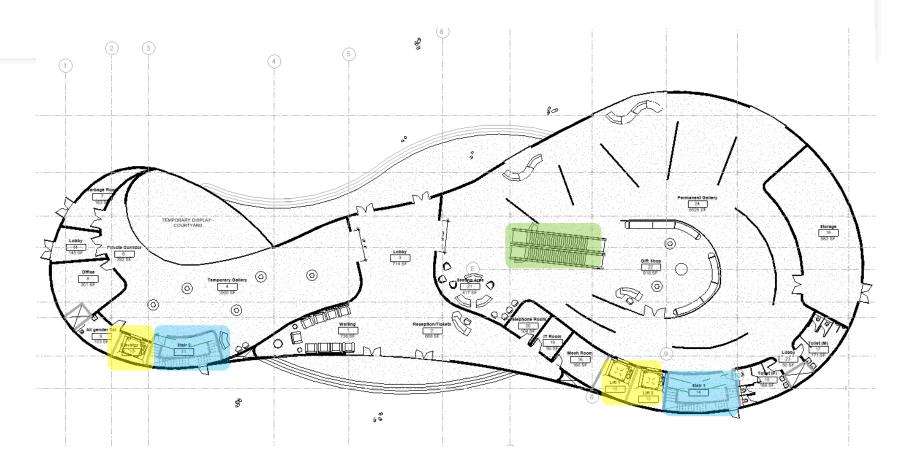
Lighting

- Natural light
- Interesting shadows



Vertical Circulation

- Elevators
- Staircases
- Escalators









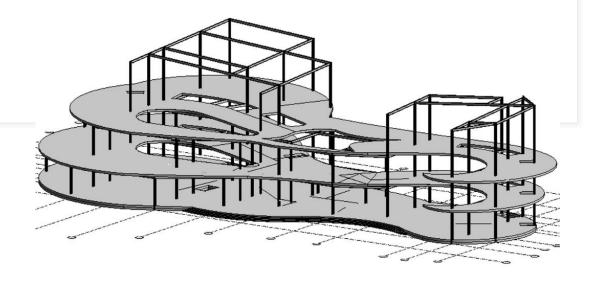


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Structural System

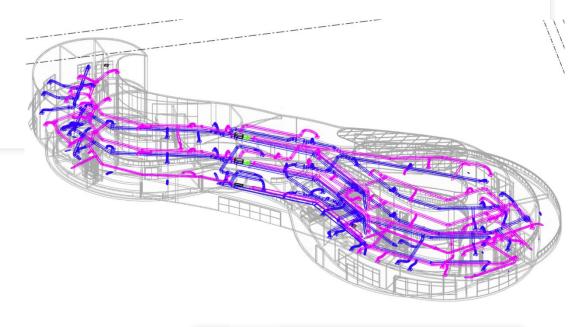
- Metal frame simple grid
- Steel I-channels
- Columns : 12x24
- Beams: 12x26
- Clear spans of up to 50 ft

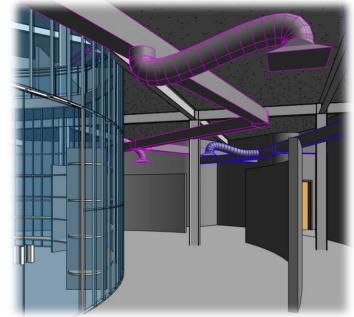




HVAC System

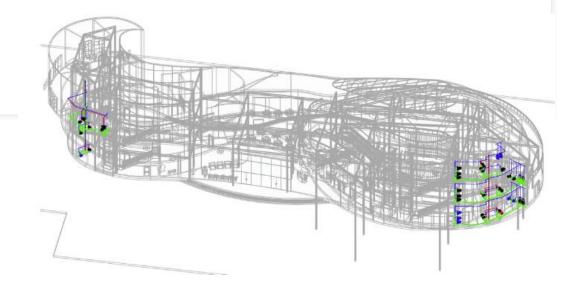
- Main mech room in I floor
- Local ceiling AHUs distributed
- Air diffusers ceiling mounted
- 24x12 and 12x12 rectangular ducts
- 12x12 diffusers

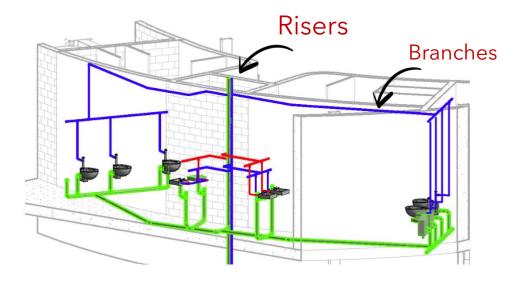




Plumbing System

- One complex in each wing
- 2 main shafts : 7x4.5 sqft
- Risers: 4" for sanitary system,
 1" each for hot and cold water
- Branches: 3" for sanitary system, 1" each for hot and cold water









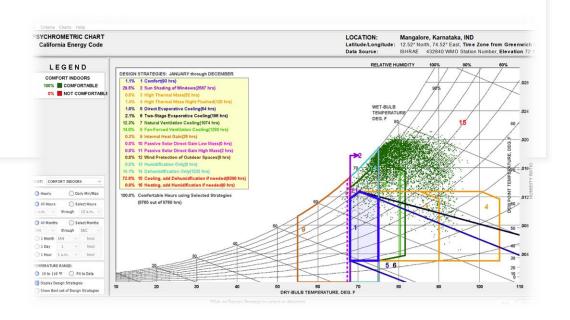


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- Energy Analyses
- Natural lighting
- Natural ventilation
- Use of solar panels
- Materials per Insight suggestions











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Rendered Views



Façade – South

Rendered Views



Café



Temp Gallery

Walkthrough

