

# Board of Directors

February 20, 2007

Palomar Medical Center West

PALOMAR  
POMERADO  
HEALTH

## Participants

### Tom Chessum

Principal in Charge | *GO Architects*

### Dennis McFadden

Design Principal | *GO Architects*

### Bob Guerin

Wayfinding and Signage Consultant | *Prop + Guerin*

### Teal Brogden

Lighting Design Consultant | *Horizon Lees Brogden Lighting Design*

## Agenda

### 1. Project Status Report

### 2. Design Update

- Environment of Care Overview
- Main Lobby Design Progress
- Patient Tower Design Progress
- Environmental Graphic Design Progress
- Lighting Design Progress
- Exterior Envelope Design Progress

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## Project Status Report

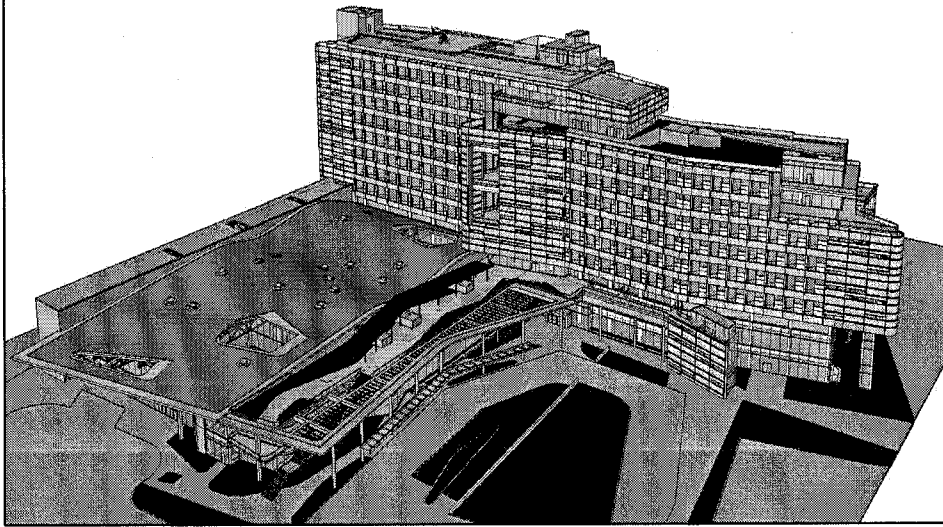




## Building Information Model [BIM]

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BIM provides coordinated, consistent, and computable data about a Virtual Building.



## Building Information Model [BIM]

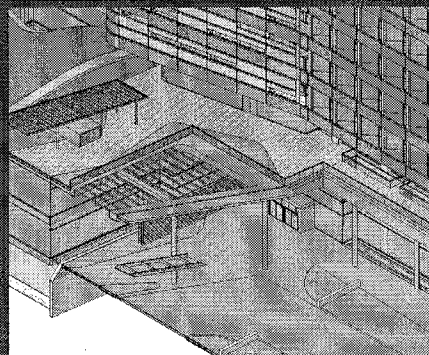
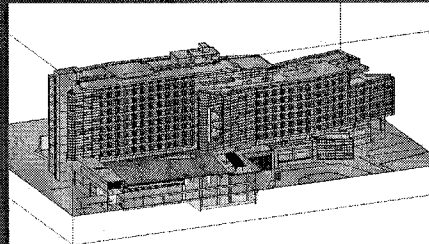
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### Virtual Building

- a. Materials / Systems
- b. Equipment / Contents
- c. Spaces / Volume

### Single Entry, Multi-Use Tool

- Document
- Visualize
- Coordinate (Clash detect)
- Quantity Survey
- Fabricate
- Sequence Construction
- Simulate Operations
- Attribute Data Base / Report
- Manage Facility Operations

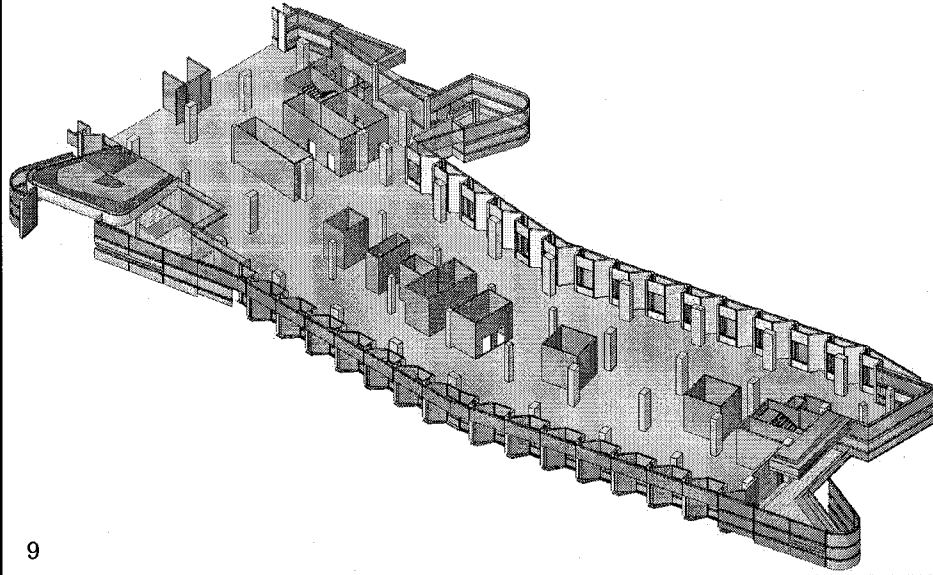




**Building Information Model [BIM]**

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**BIM Sample – Core and Shell Development**

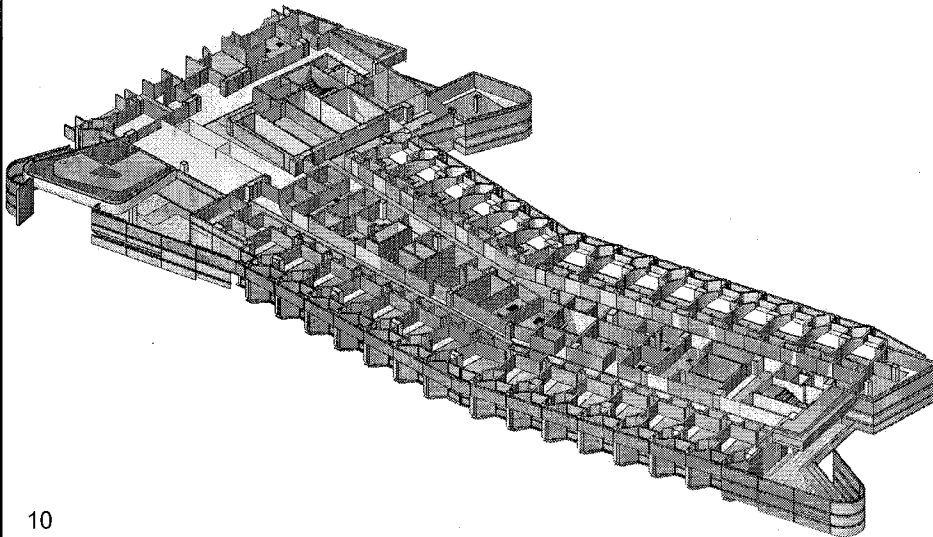


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**Building Information Model [BIM]**

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**BIM Sample – Interior Development**

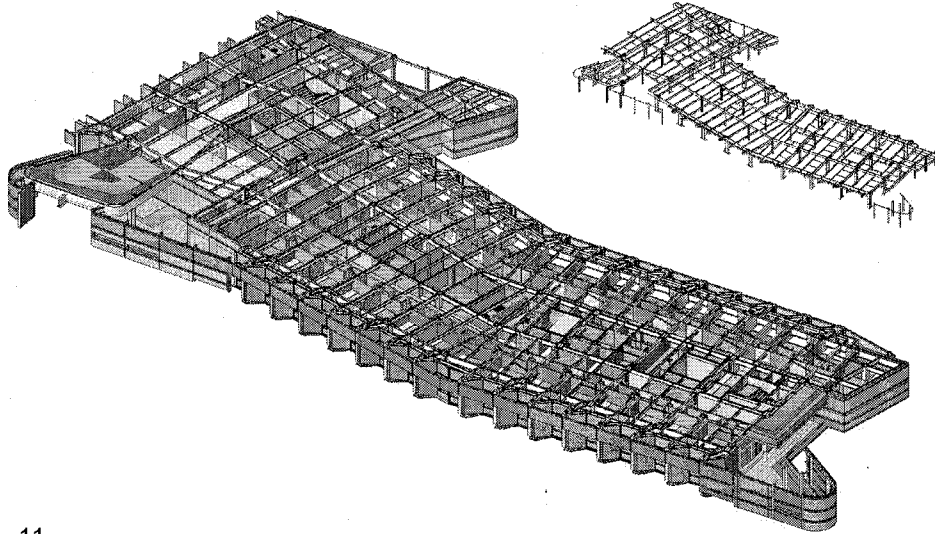


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**Building Information Model [BIM]**

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**BIM Sample - Structural Steel Integration**

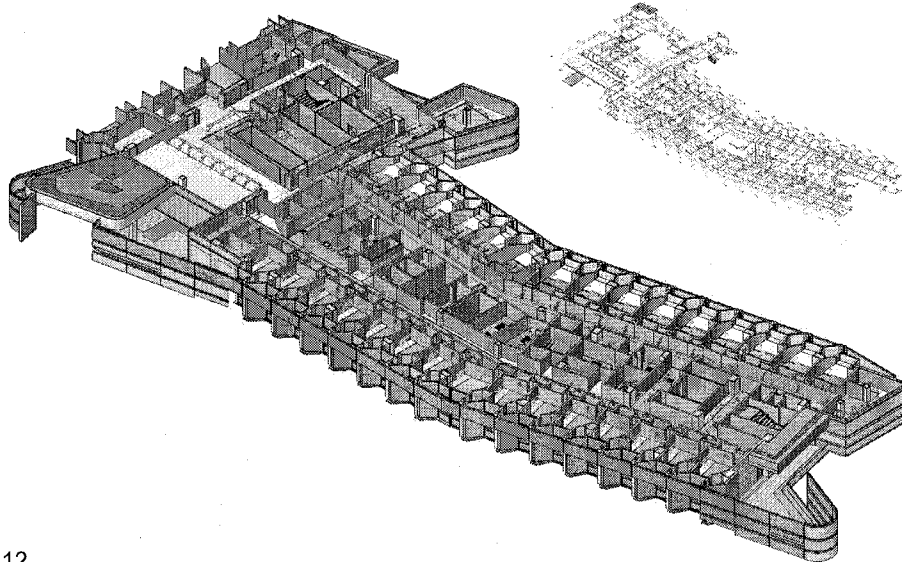


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**Building Information Model [BIM]**

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**BIM Sample - Mechanical Integration**



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# Building Information Model [BIM]

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## Benefits

### Optimization / Risk Reduction

- a. Design
- b. Agency Approvals
- c. Pricing
- d. Fabrication
- e. Means & Methods
- f. Productivity



Autodesk

REVIT BIM EXPERIENCE  
AWARD

CO Architects  
Award Recipient

  
Jay Gillett  
Vice President, Building Solutions  
Autodesk, Inc.

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## Environment of Care Overview



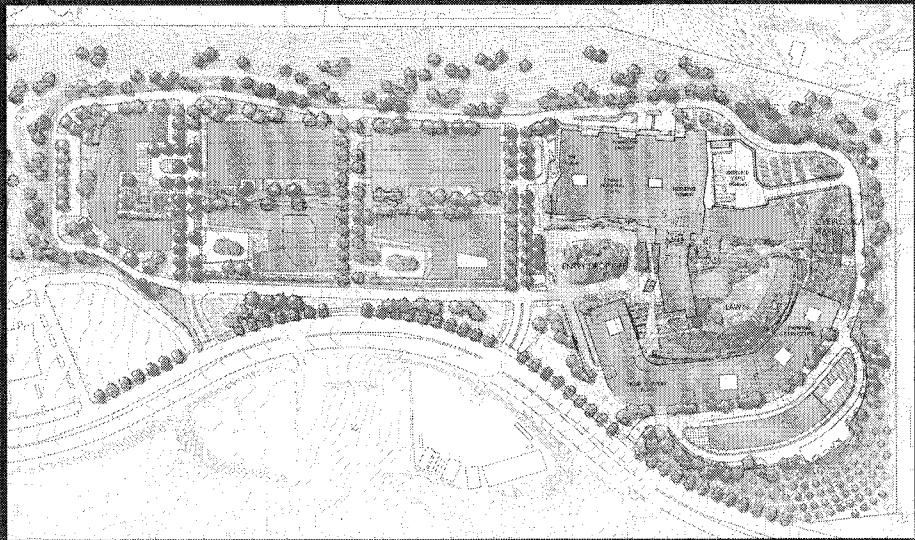
# Garden Hospital

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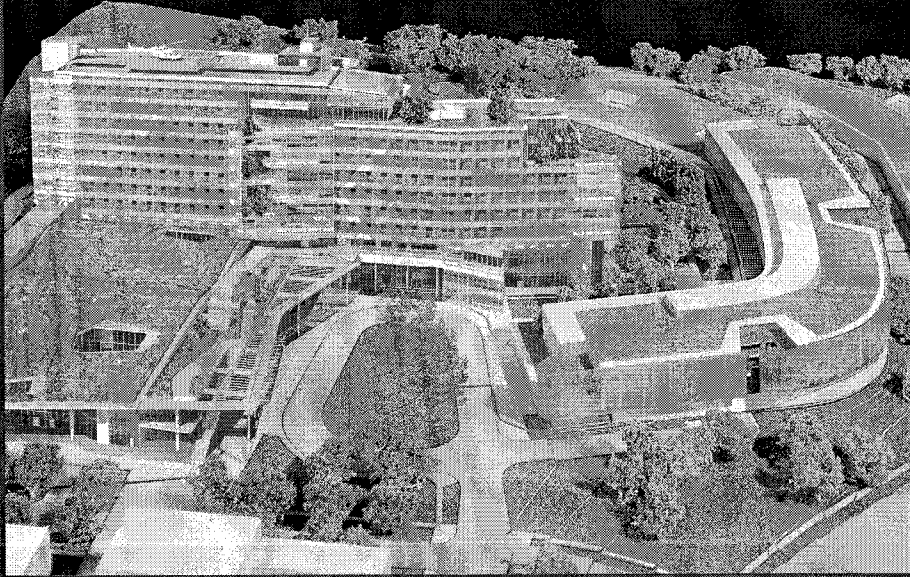
# Site Plan

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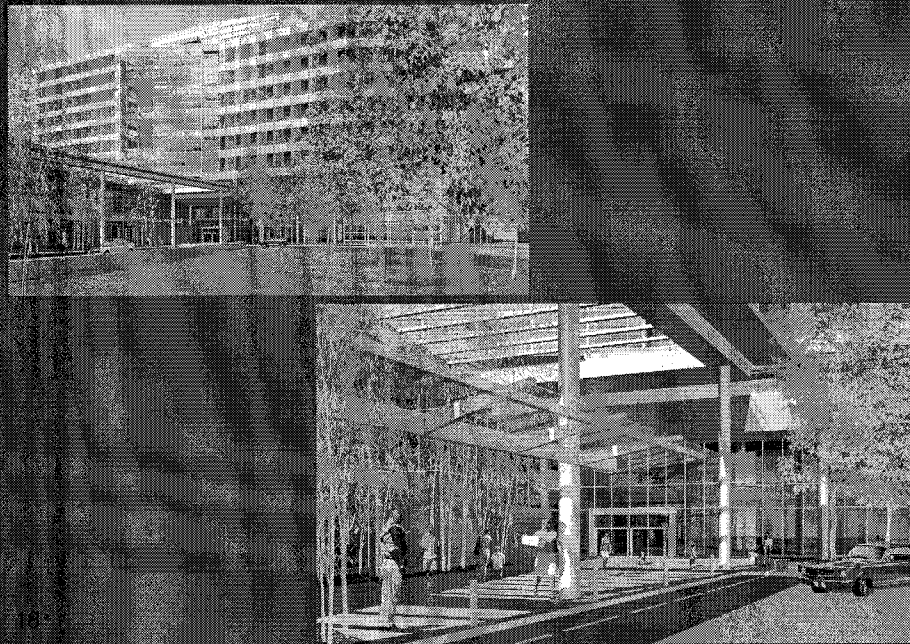
**Garden Hospital**

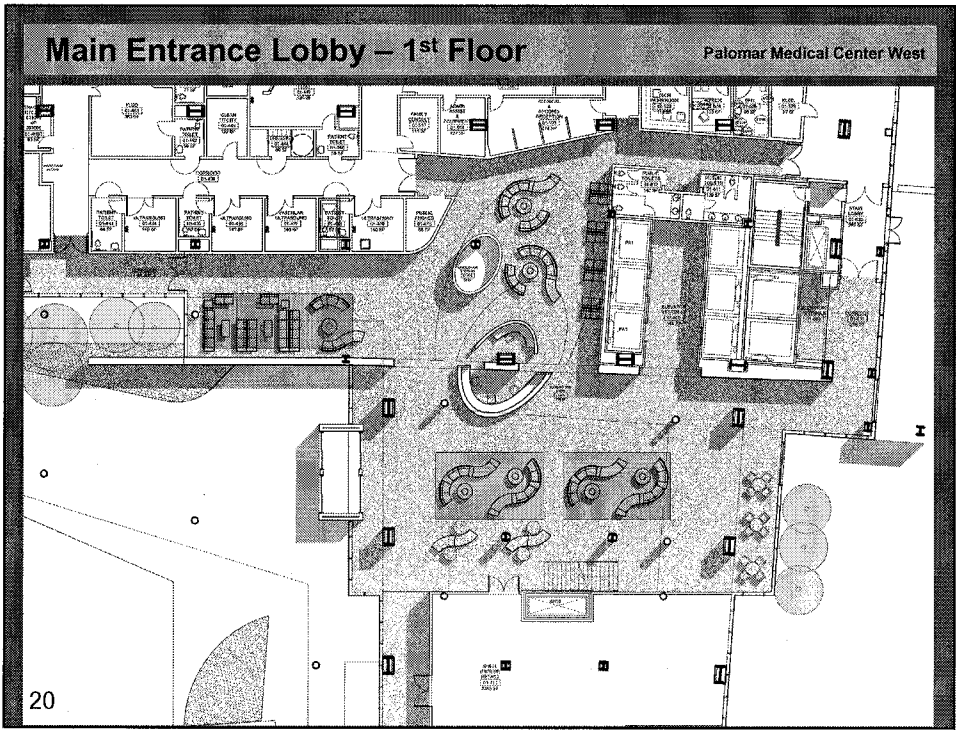
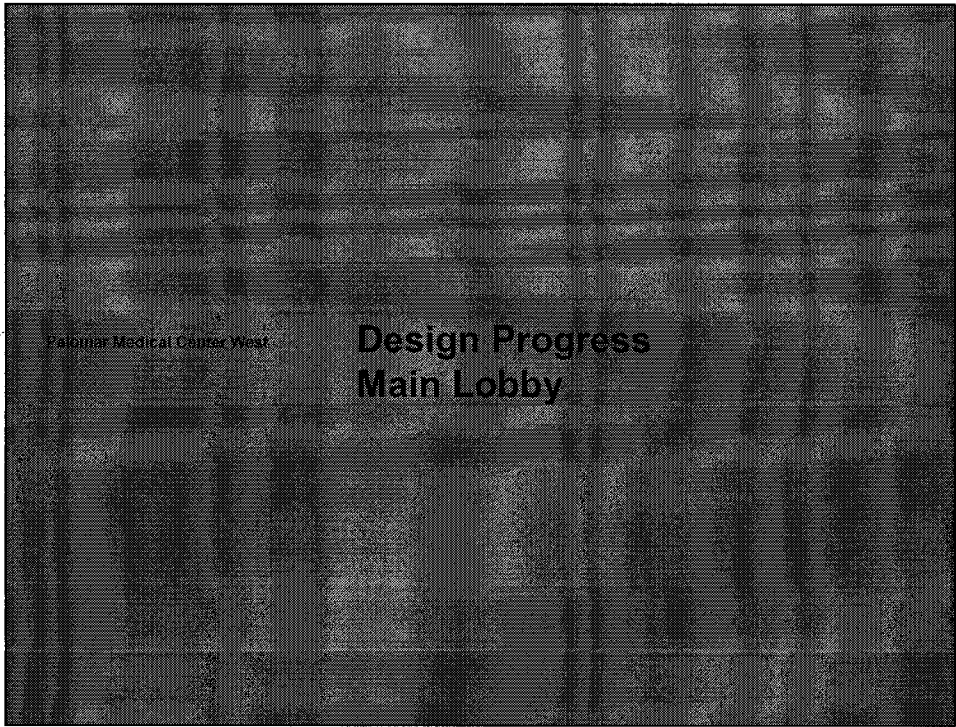
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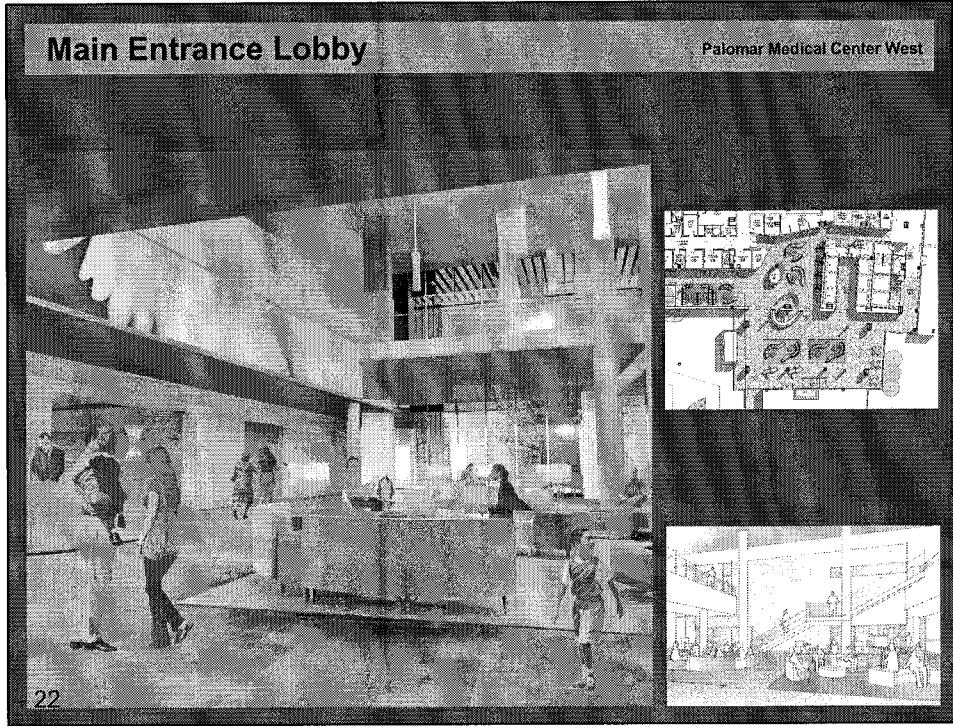
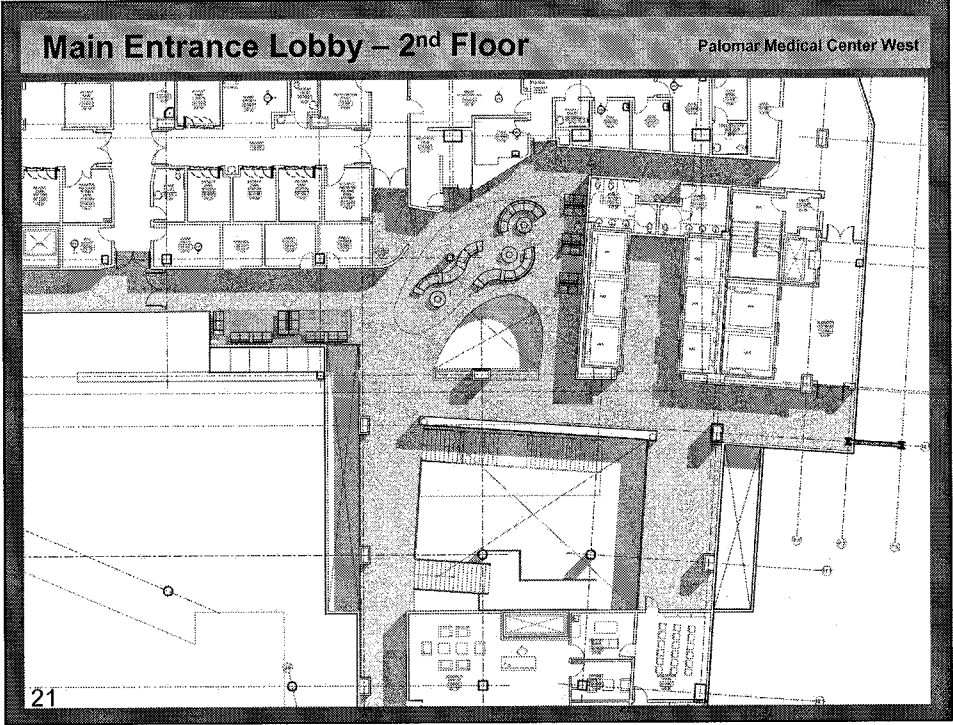
**Entrance**

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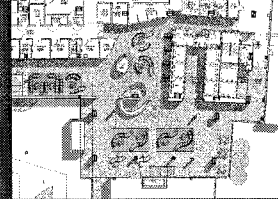






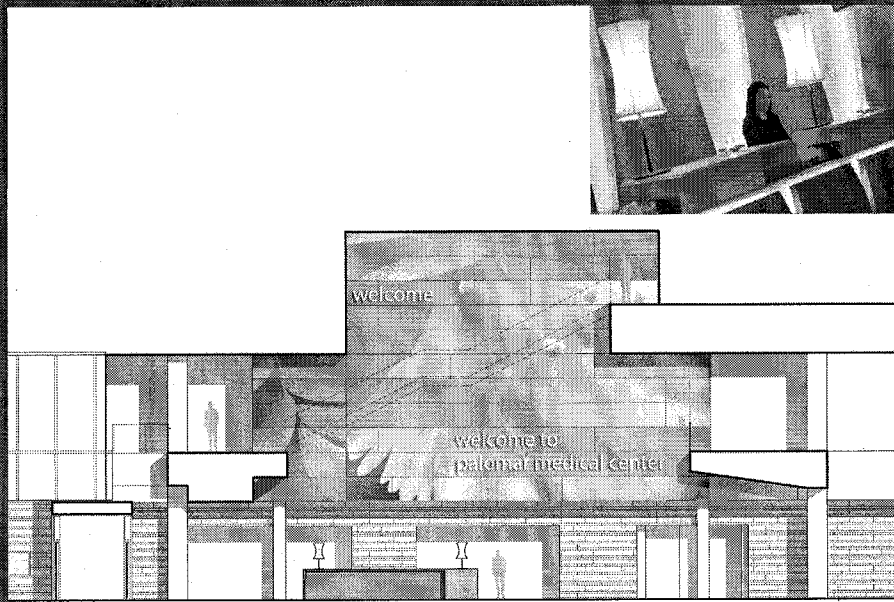
# Main Entrance Lobby

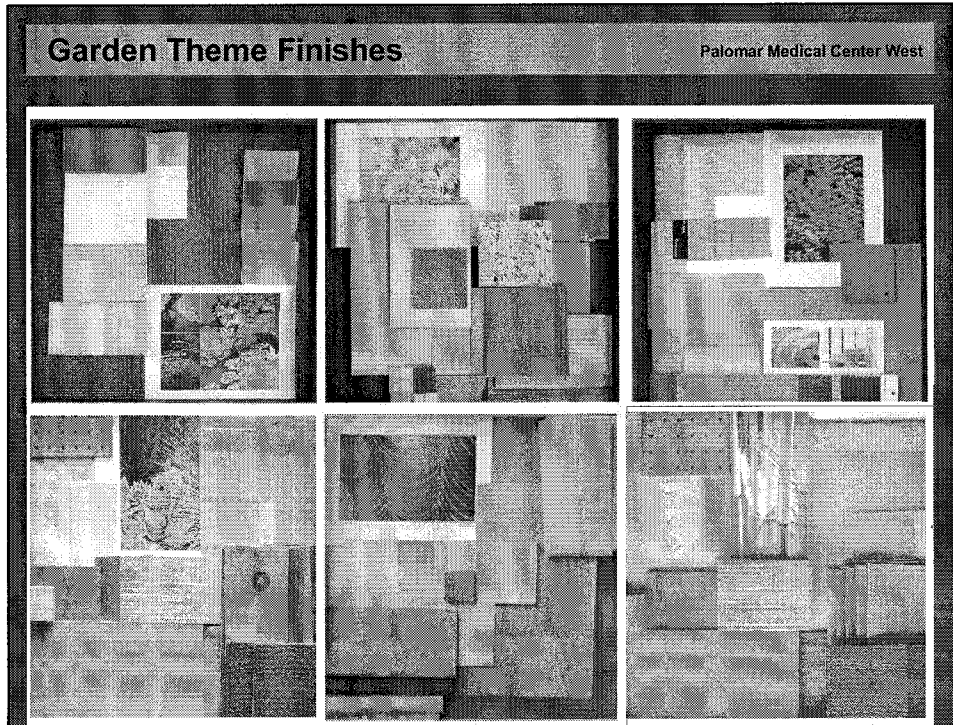
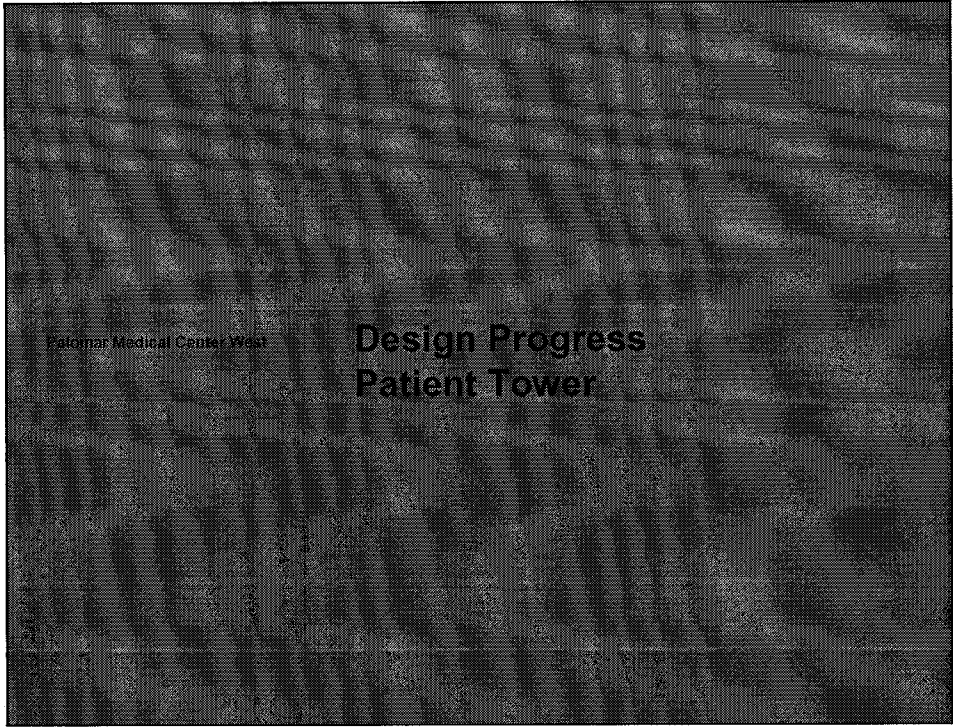
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# Main Lobby Media Wall

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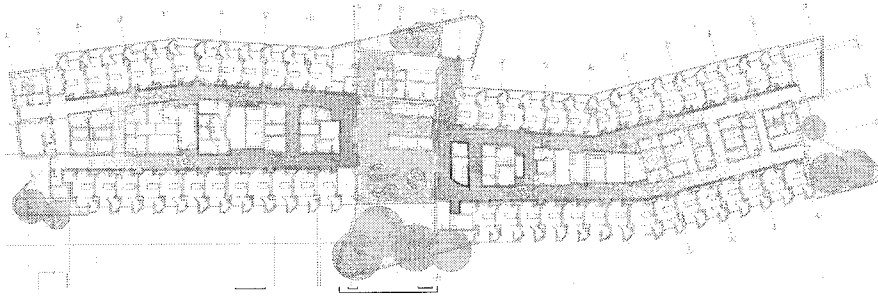






## Nursing Unit Floor Plan

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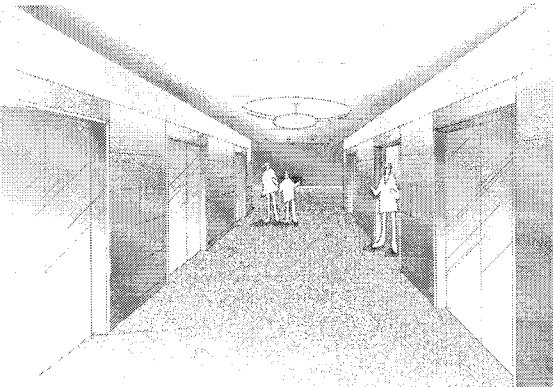
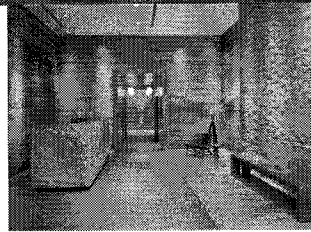
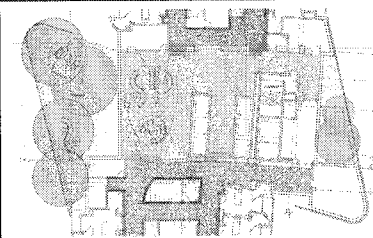


Wayfinding

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## Patient Tower Elevator Lobby

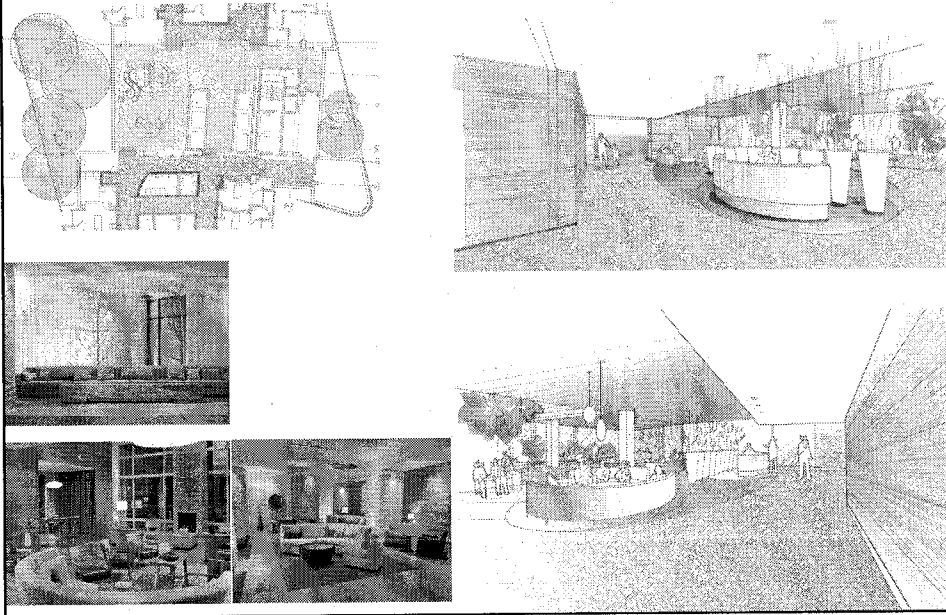
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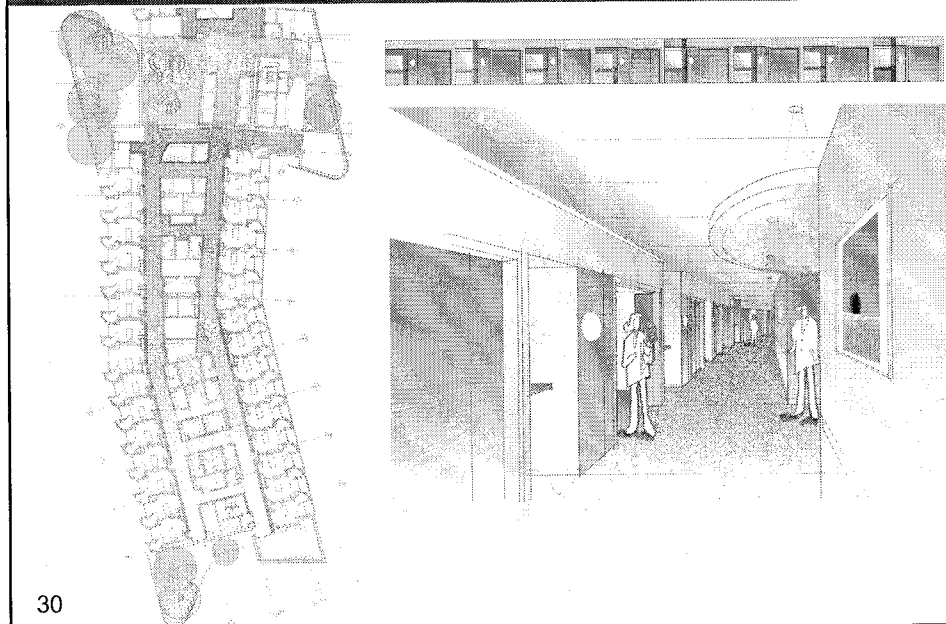
## Patient Tower Waiting Lounge

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## Patient Tower - Patient Walk

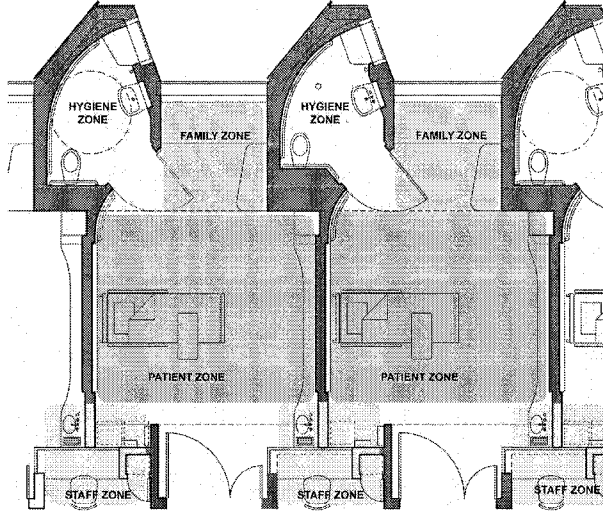
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**Patient Room**

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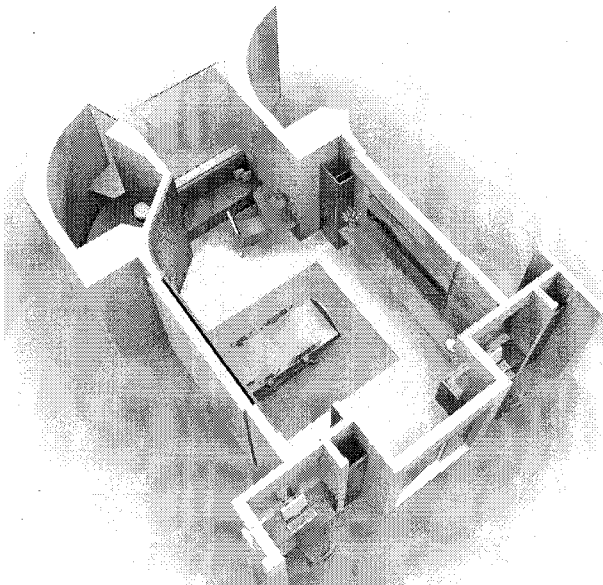


**Patient Room**

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**Patient Room**

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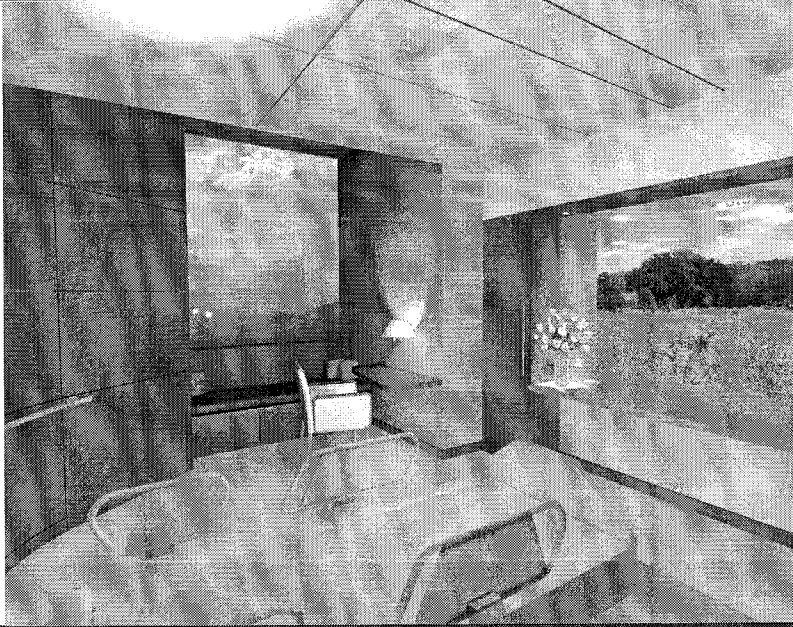


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**Patient Room Perspective**

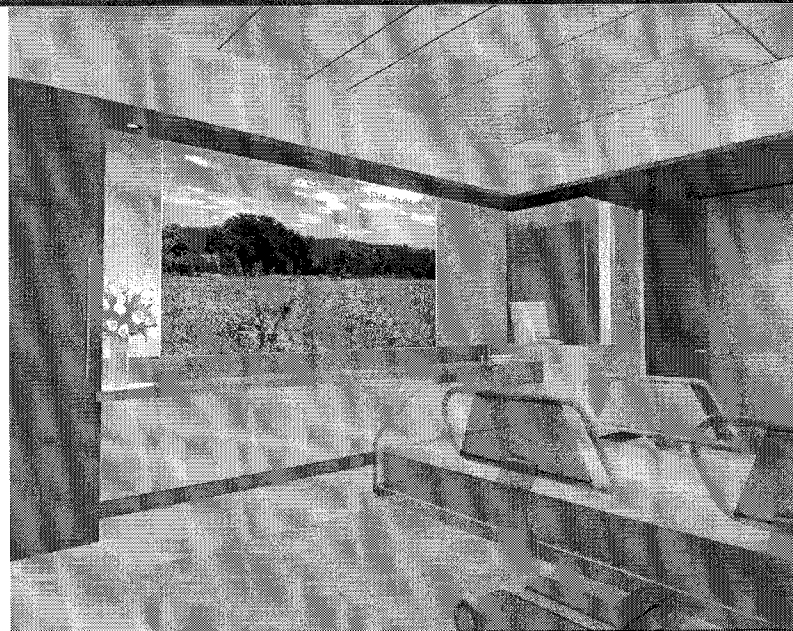
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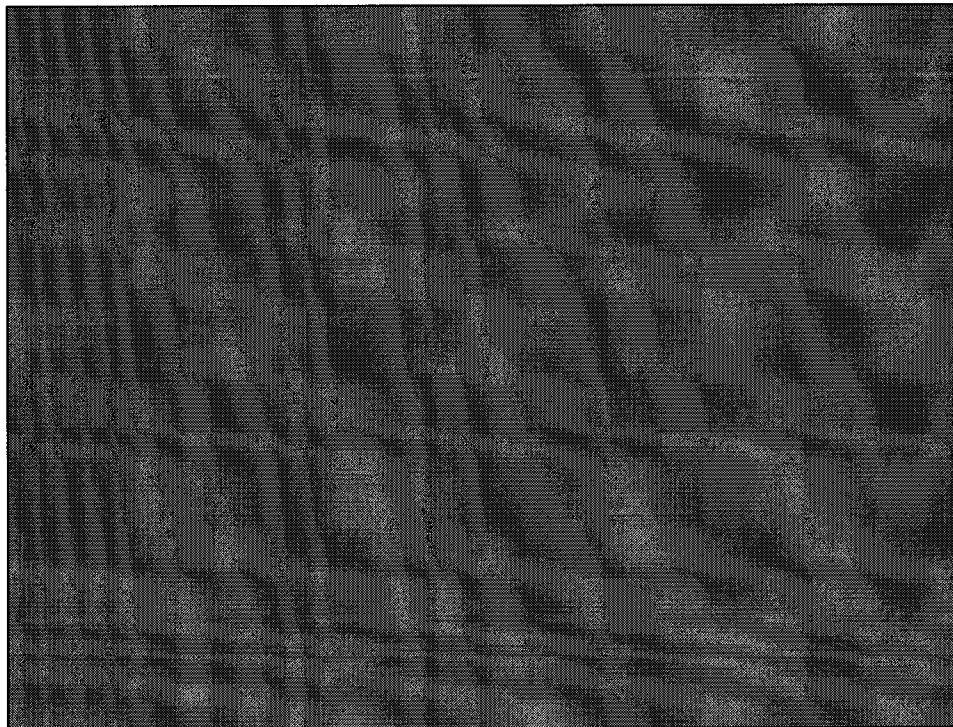
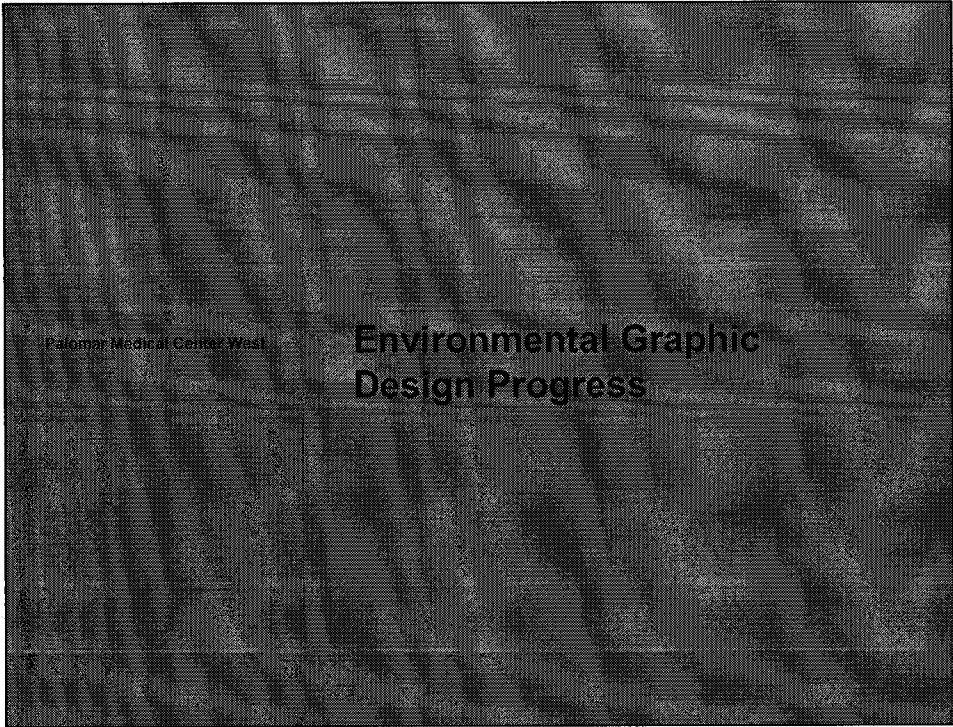
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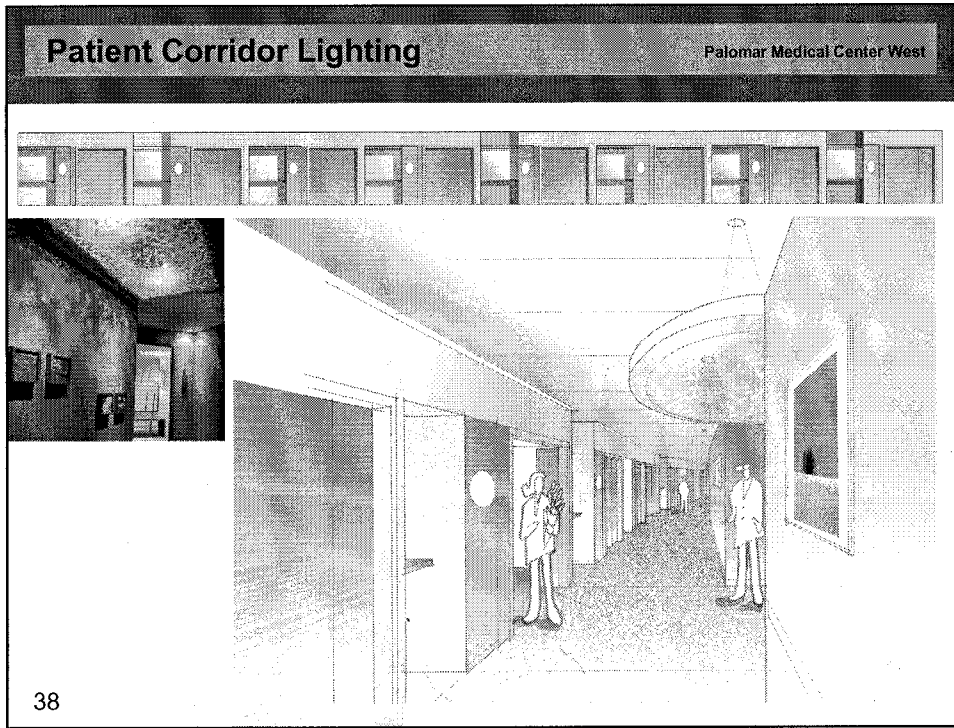
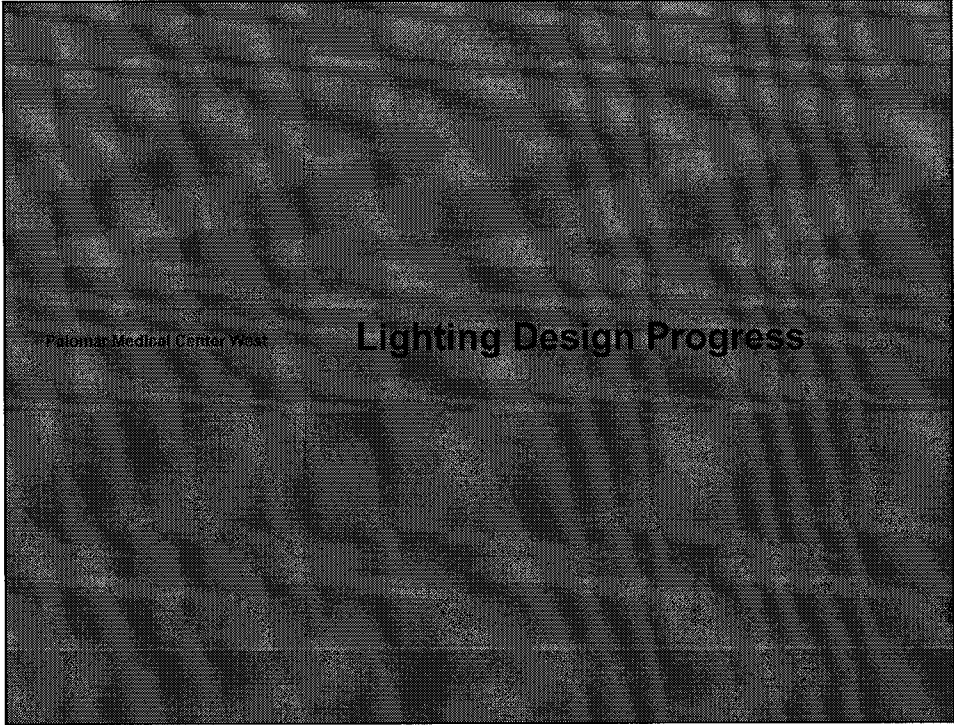
**Patient Room Perspective**

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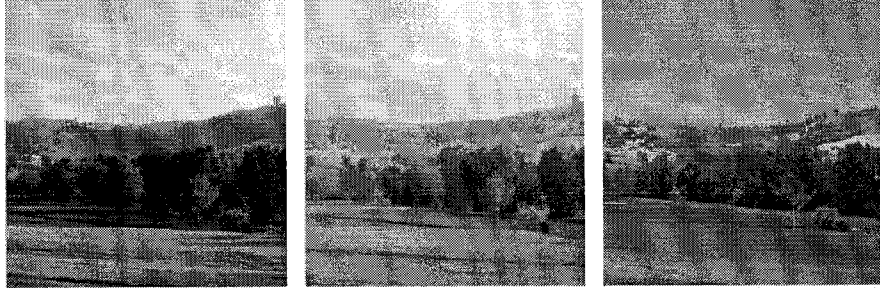
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## Patient Room Lighting

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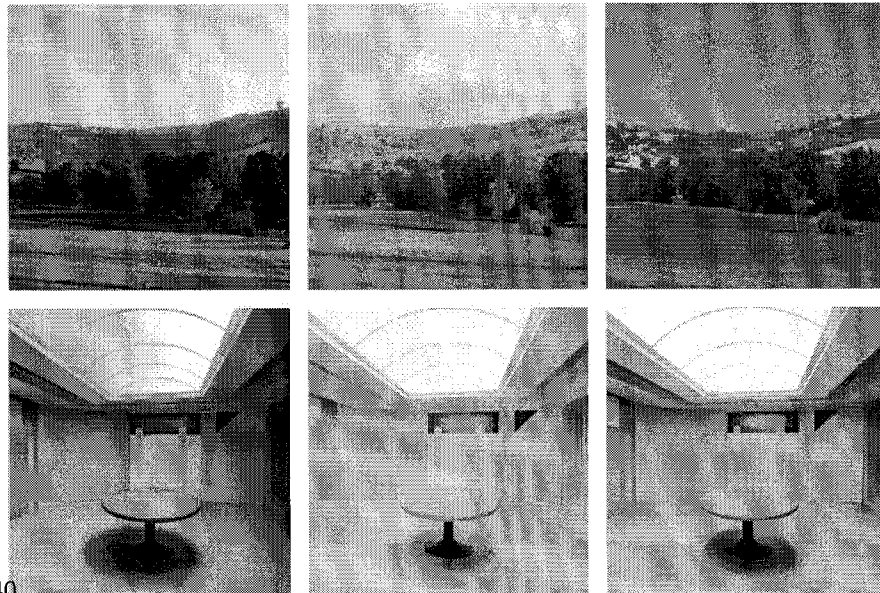
"The studies on biodynamic light are the results of the cooperation between Spazio S.a.S. in Milan, National Research Council (CNR), iGuzzini Illuminazione, the Lighting Research Center of the Rensselaer Polytechnic Institute in Troy, New York and Futuro in Florence, Italy. Biodynamic Lighting is based on a new concept in artificial lighting, which accounts not only for the visual function of light, but is psycho-physiological function as well. A similar project was subsequently subjected to a range of tests at the Lighting Research Center at the Rensselaer Polytechnic Institute, where its effects on productivity standards and worker mood were examined. The results of the experiments indicated that the biological-dynamic light produced can actually improve worker comfort, and therefore efficiency."

iGuzzini - Biodynamic Light - "The philosophy and the possible applications" - 2005

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## Patient Room Lighting

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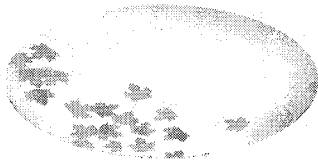
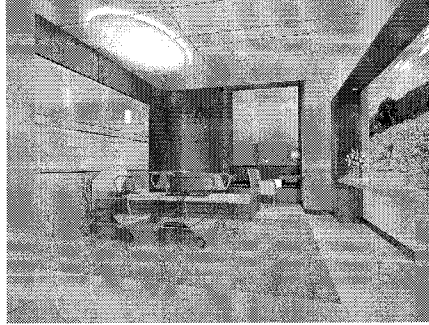


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# Patient Room Lighting

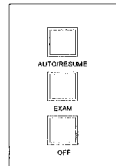
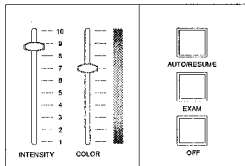
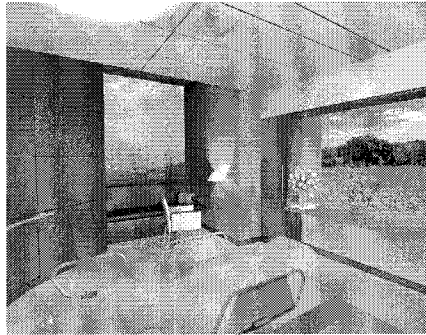
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# Patient Room Lighting

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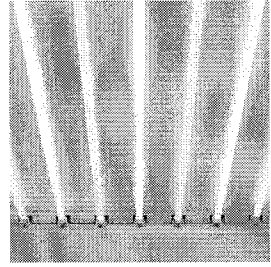
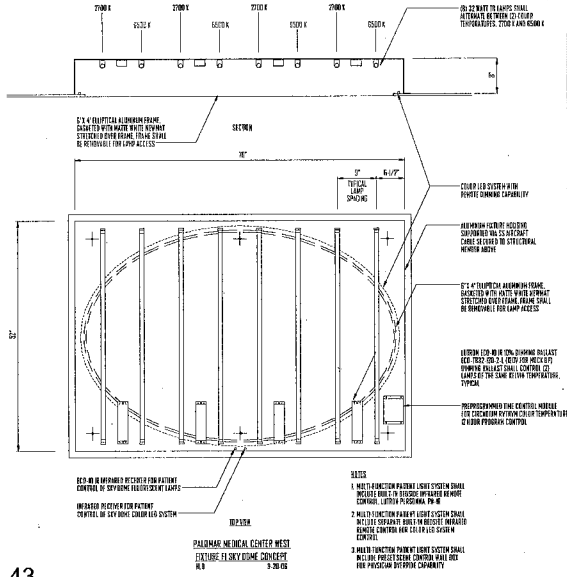
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PATIENT LIGHTING CONTROL MODULE  
MOUNTED AT PATIENT BEDSIDE

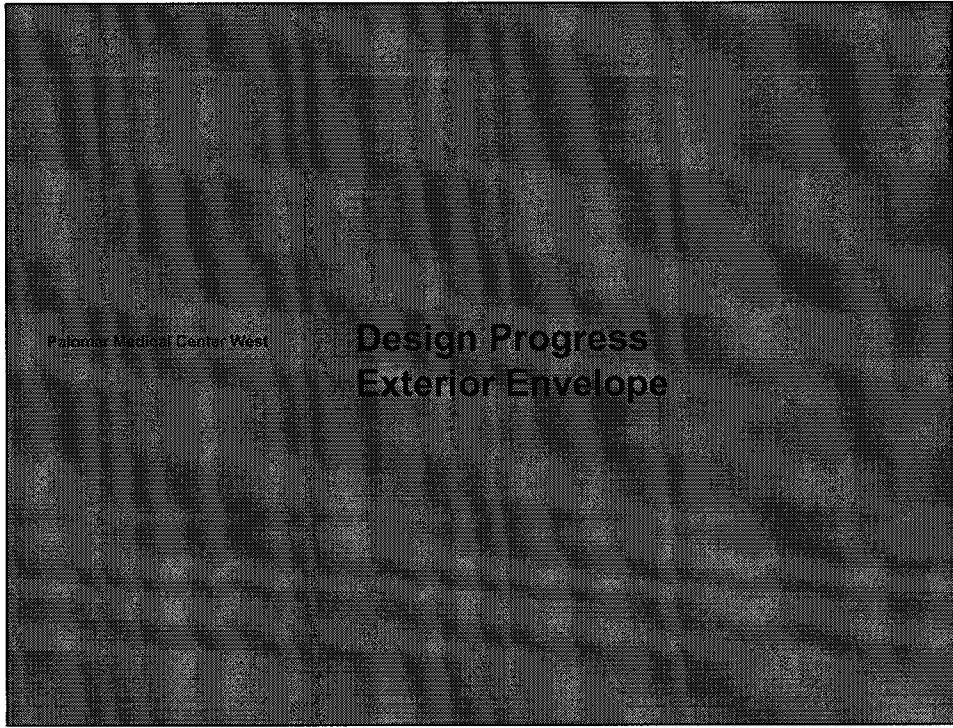
CAREGIVER LIGHTING CONTROL MODULE  
WALL MOUNTED AT PATIENT ROOM ENTRY

# Patient Room Lighting

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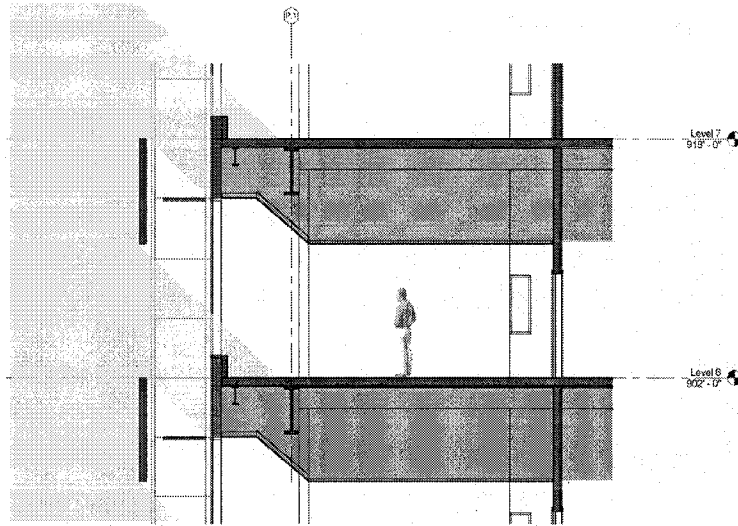
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## Design Progress Exterior Envelope



## Sun Study

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## Building in the Landscape

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Landscape

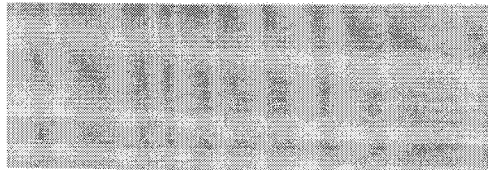
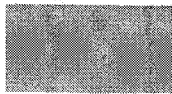
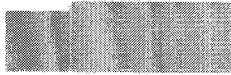
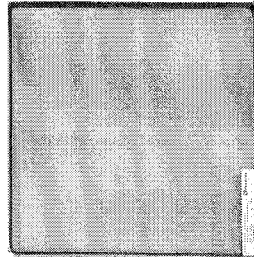
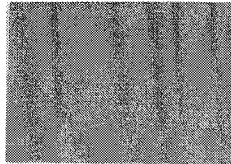
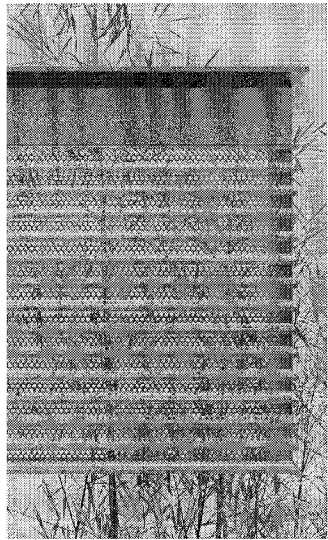
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Materials

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**Sunscreen Material**

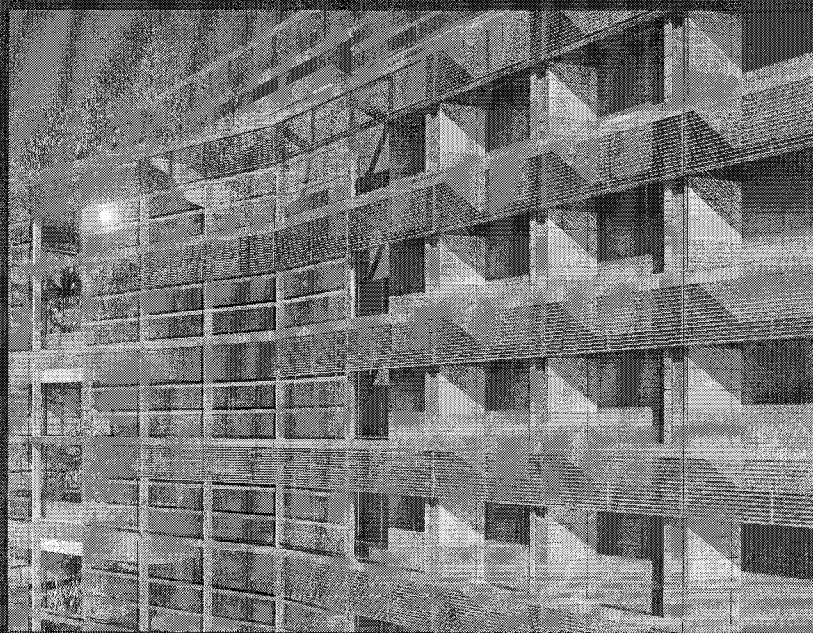
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**Sunscreen Material**

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