



XII INTERNATIONAL CONFERENCE MES-2018  
'Modern Engineering Systems. Architecture of Health'

## Sharp Mesa Vista Expansion and Renovation

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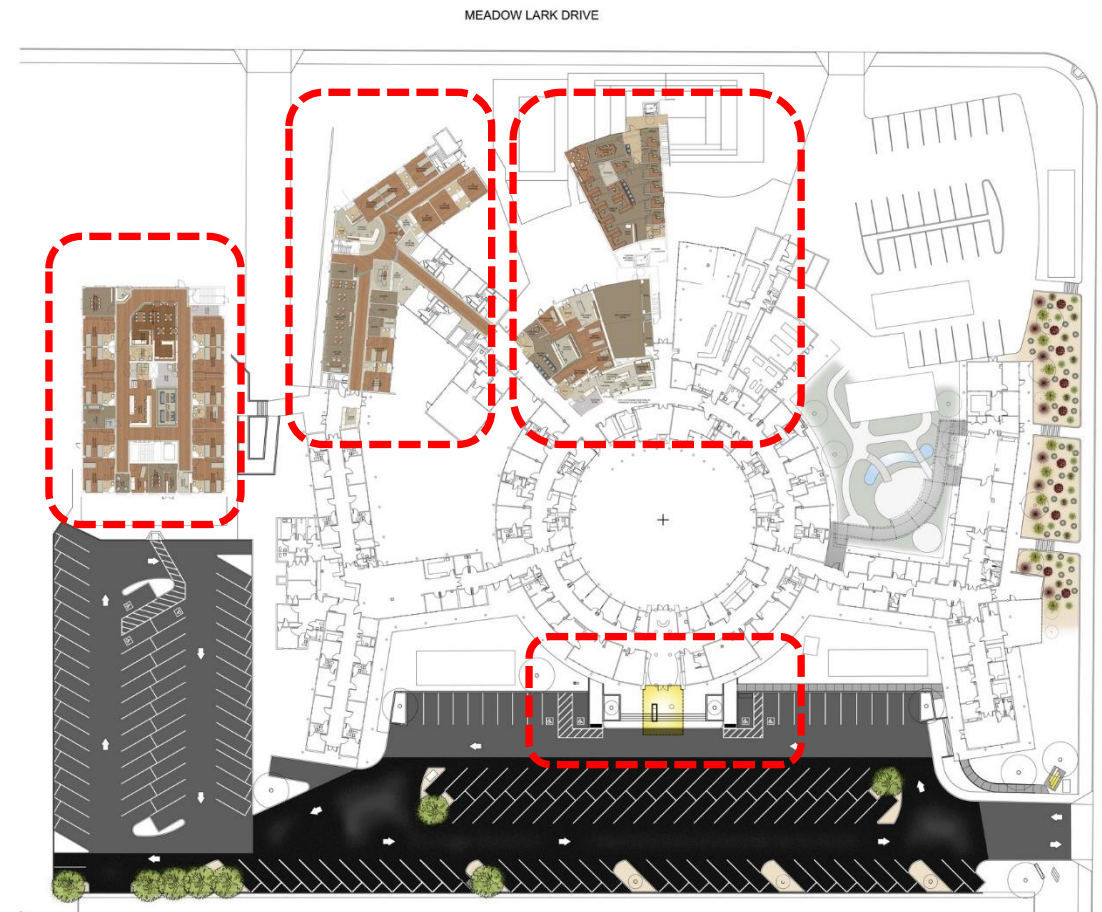
Principal and HEAL Market Group Leader  
Cunningham Group Architecture

# 01 | OVERVIEW



## Sharp Mesa Vista Expansion and Renovation Project

- Design Build Award
- Fully Operational while under Construction
- 5000 Inpatient Behavioral Discharges Annually
- Largest Psychiatric Hospital in San Diego County
- Six Construction Phases, 3 Major Projects
  - New Entry
  - Repurpose of Gym
  - Patient Wing
  - Child Adolescent Program (CAP)



## 02 | GOALS

### Sharp Mesa Vista Expansion and Renovation Project

- Initial Goals
  - Refresh of 1960's Vintage Buildings
  - Improve the Delivery of Care to create a Modern, Safe and Healing Environment for Behavioral Health (BH)
  - Improve security for patients and staff
  - Increase parking



## 03 | DESIGN BUILD PROCESS

### Sharp Mesa Vista Expansion and Renovation Project

- Collaborative Process with General Contractor and Subtrade Partners on board early
- Best Value / Ideas
- Pull Planning
- Improved Cost and Schedule Control
- Re-Prioritize Goals Quickly





# 04 | MAINTAINING OPERATIONS DURING CONSTRUCTION

## Sharp Mesa Vista Expansion and Renovation Project



- Improving Brand and Access while maintaining operational of the 1960's Vintage buildings
  - New Accessible Entry
  - Re-Skinned the Exterior
  - Water Feature
- Expanded Beds/SF
- FLS and MEP Improvements
- Security Upgrades

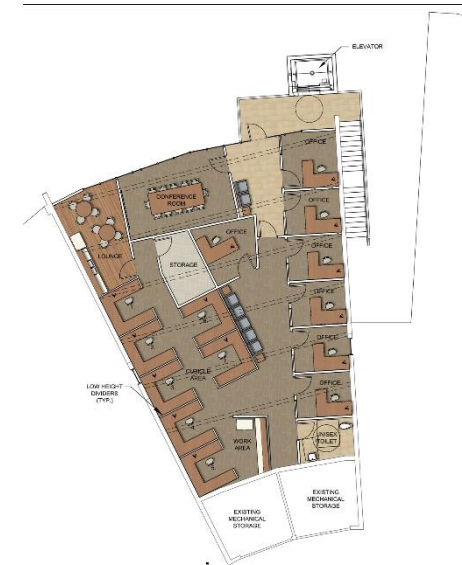
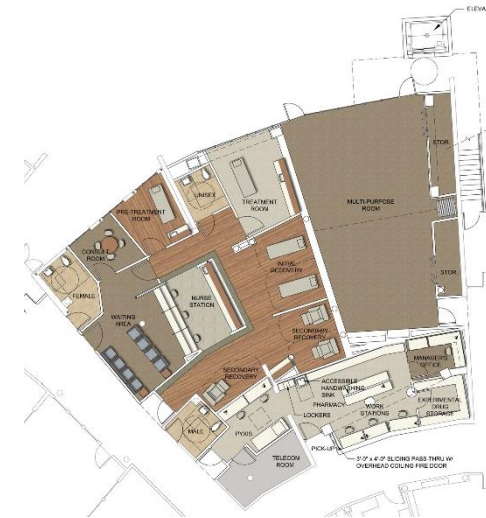


# 05 | PROJECT COMPONENTS



## Sharp Mesa Vista Expansion and Renovation Project

- 6500 SF Expansion and Repurpose of Gym to a Multipurpose Building
  - Convert gym to Multipurpose building
    - Added a Second floor-Office
    - New Pharmacy and ECT
    - New Elevator
    - New Fire Life Safety (FLS) and Mechanical Electrical Plumbing (MEP) Systems







# 07 | NURSE STATIONS





08 | PATIENT / STAFF GATHERING



# 09 | PATIENT ROOMS





# 10 | CHALLENGES AND LESSONS LEARNED



## Patient Safety During Construction

- Separation of Construction from Patients

- Secured Access Points

- Equipment and Tool Management

- Comprehensive Construction Staff Orientation

## Building Code

- 31 Psychiatric Hospitals in CA vs 459 Acute

- State Field Staff Unfamiliar with Codes

## Design Build Process

- Best Ideas Float to the Top

- Priorities Reassessed

- Joint Commission Assessment Managed

## Evidence Based Design/ Planetree Principles

- Anti-Ligature materials and products

- Therapeutic without feeling Institutional

- Incorporating Art and Nature



# Building future of healthcare