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# From a Centralized Nursing Unit to a Decentralized Nursing Unit with Academic Learning Space

December 8, 2020

**Kelly Baumer,** PT, MBA
**Mike Schnaare**, AIA, NCARB

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# From a Centralized Nursing Unit to a Decentralized Nursing Unit with Academic Learning Space

December 8, 2020

Moderated by Michelle Yates, EDAC, FSMPS

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# Case Study

As part of the Academy's multi-channel, on-line approach, these sessions are intended to introduce members of healthcare-centric practices, in all stages of professional development, to case studies of relevant content, providing access to data and critical analysis of elements key to the project's success.

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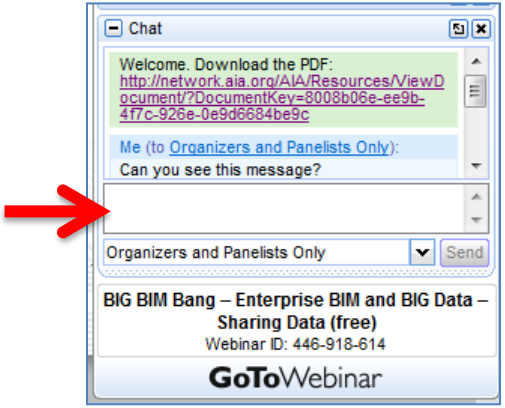
# Questions?

Submit a question to the moderator via the chat box.

Content-related questions will be answered during the Q&A portion, at the end of the presentation, as time allows. Any questions not answered during Q&A, will be answered and posted online within two (2) weeks.

Tech support questions will be answered by AIA staff promptly.



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**Kelly Baumer,** PT, MBA
SSM Health Saint Louis University Hospital

**Mike Schnaare**, AIA, NCARB
Lawrence Group

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# Agenda

- Project Background
- Existing Care Models
- The Final Design
- Lessons Learned
- Q&A

# Project Background

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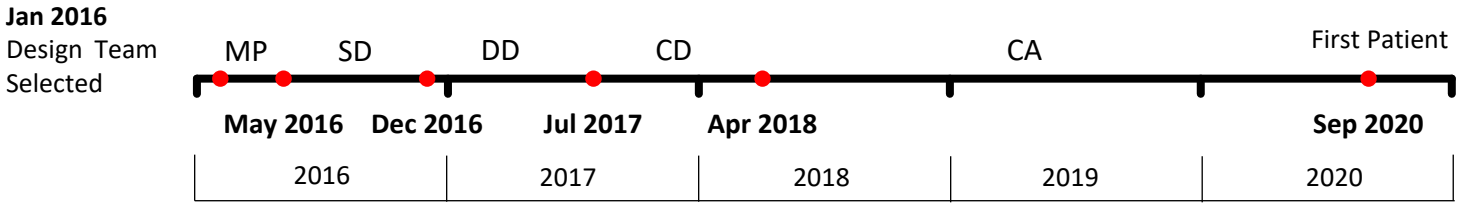
# Project Timeline




Owners: **SSM Health, Saint Louis University**
Architecture, Interior Design, Landscape Architecture: **Lawrence Group**
Architecture, Planning, Specialty Lighting: **HGA**
Civil: **David Mason & Associates**
Structural: **KPFF**
MEP/FP: **IMEG**

Program Management, Equipment: **Northstar**
Construction: **Alberici**
Mechanical/HVAC: **Murphy, C&R**
Electrical: **Guarantee, Kaiser**
Plumbing: **Corrigan**, **Franklin**
Fire Protection: **Ahern**

CORE TEAM

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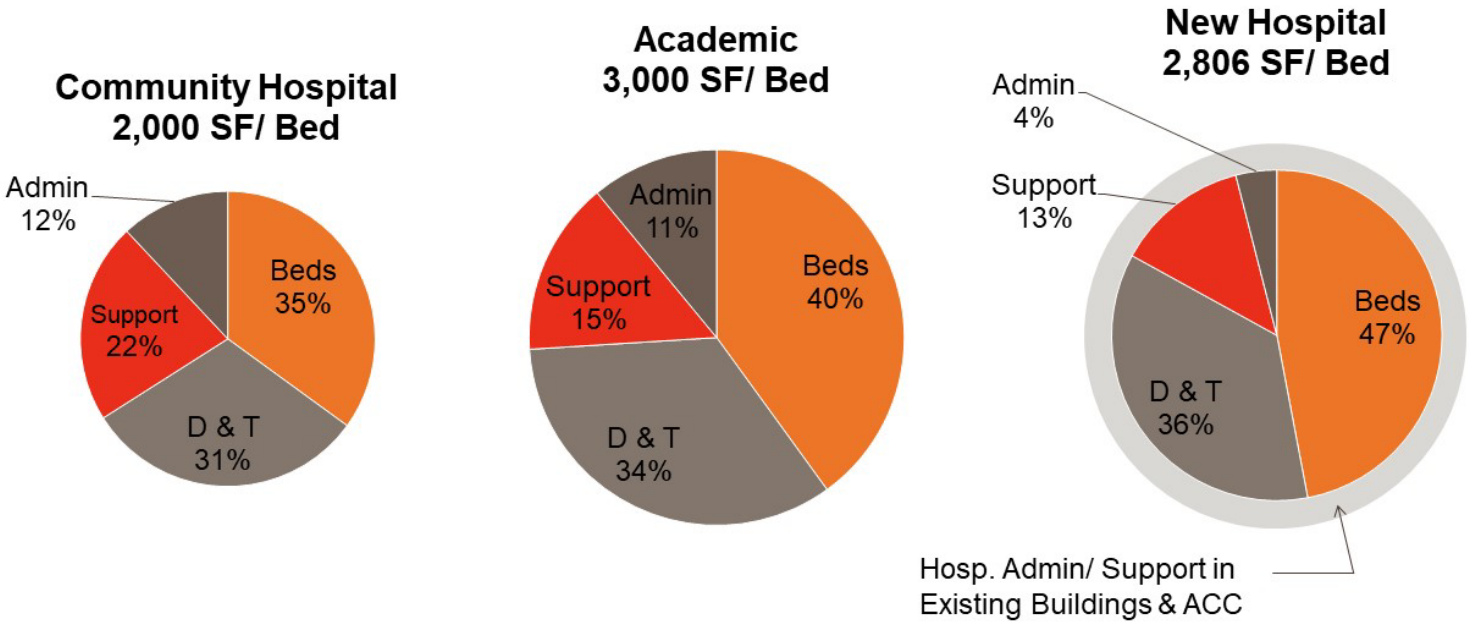
# Program Size

| | |
|---|---|
| Hospital | 617,980 BGSF |
| ACC | 207,564 BGSF |
| Total | 825,544 BGSF |

# Program Size

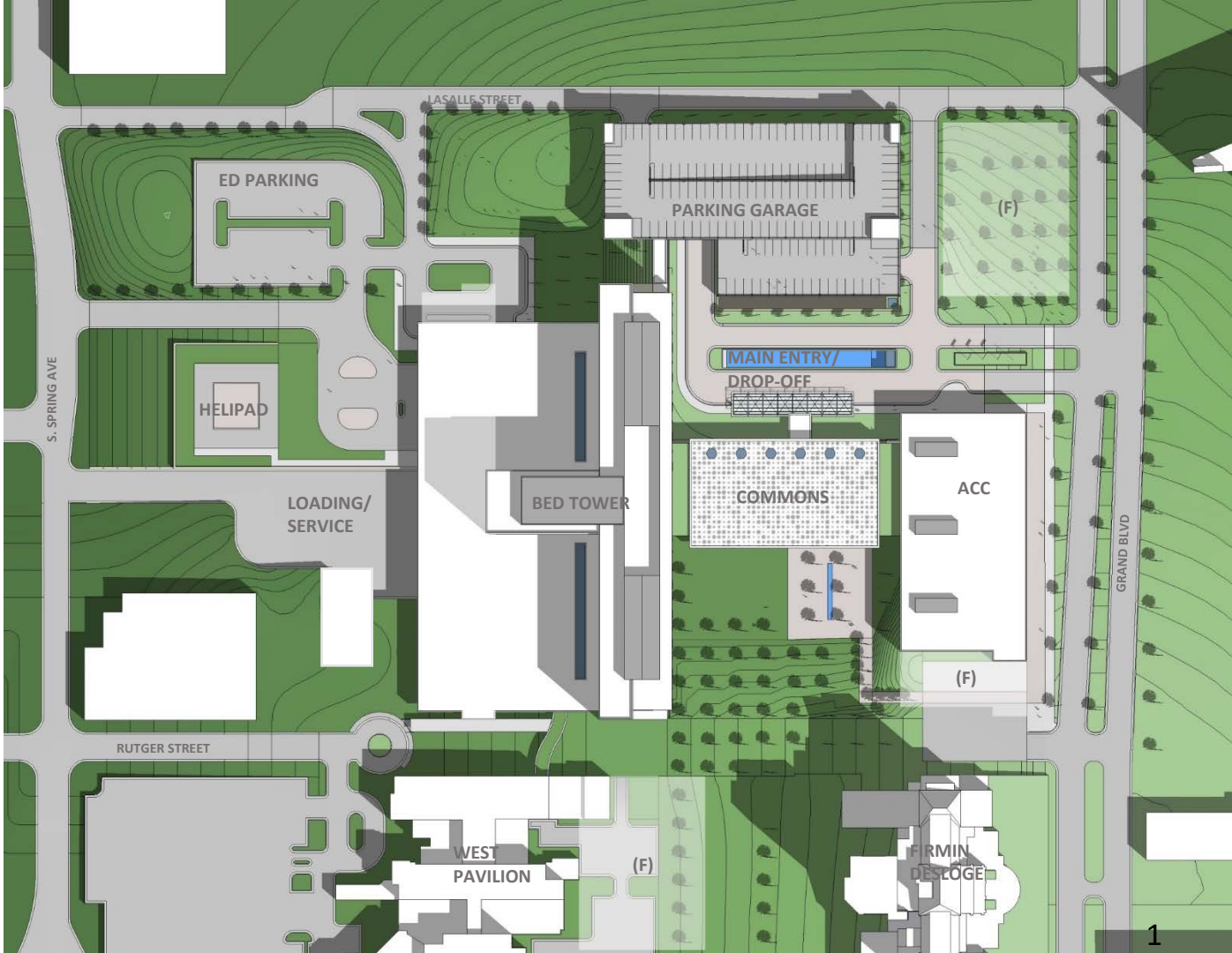


# Academic Medical Center

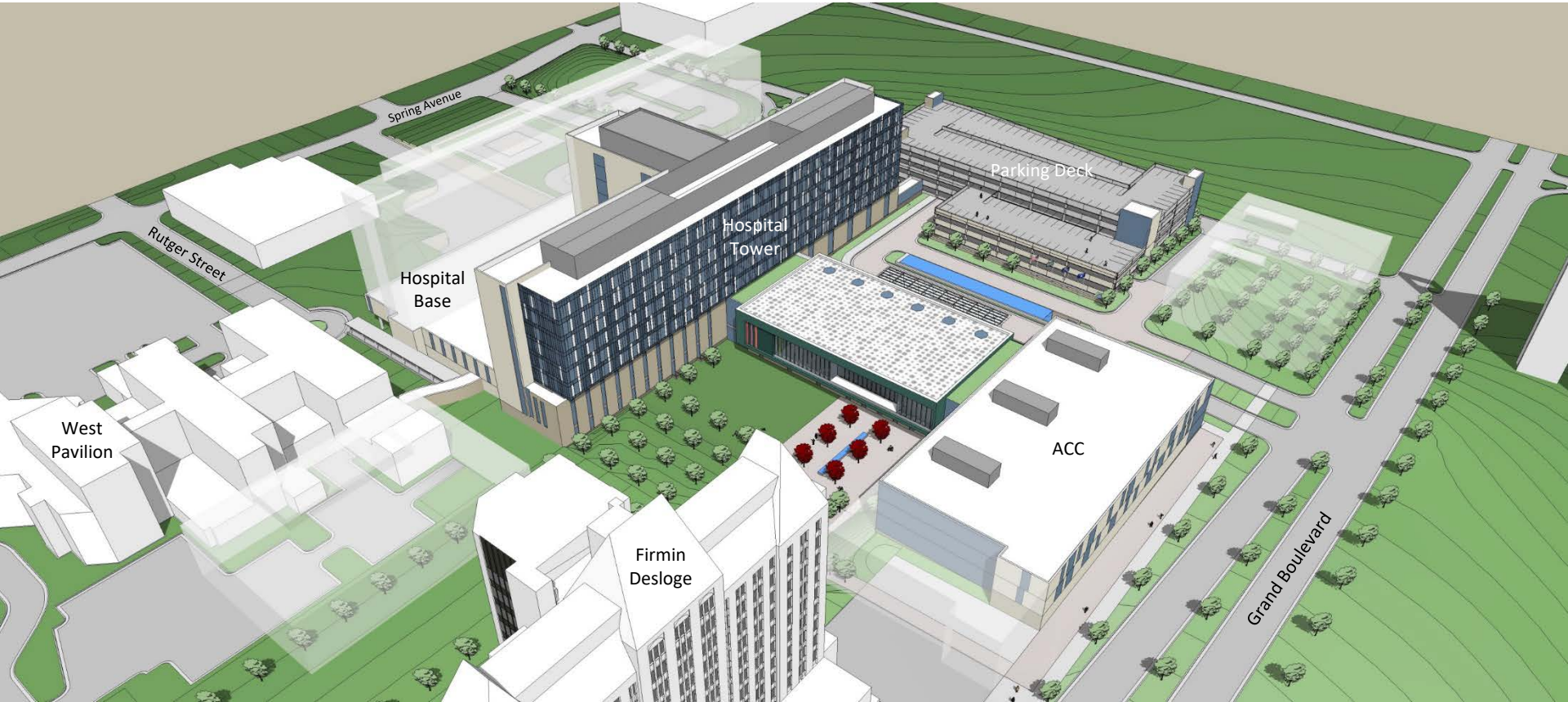
- 10 Level Hospital
- ACC:  4 levels
- Parking garage: 857 spaces
- ED parking : 100 spaces

**17 Acres**

**316 Beds**



# Campus View


Spring Avenue
Rutger Street
Hospital Base
Hospital Tower
Parking Deck
West Pavilion
ACC
Firmin Desloge
Grand Boulevard

# Existing Care Models

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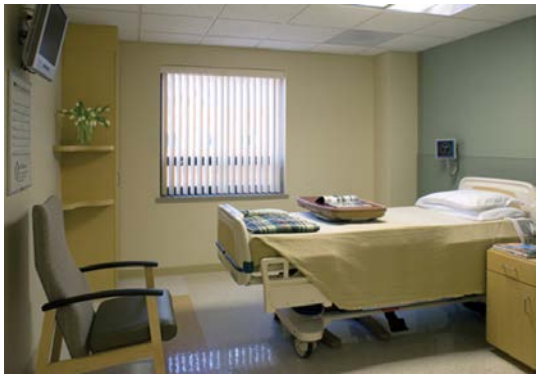
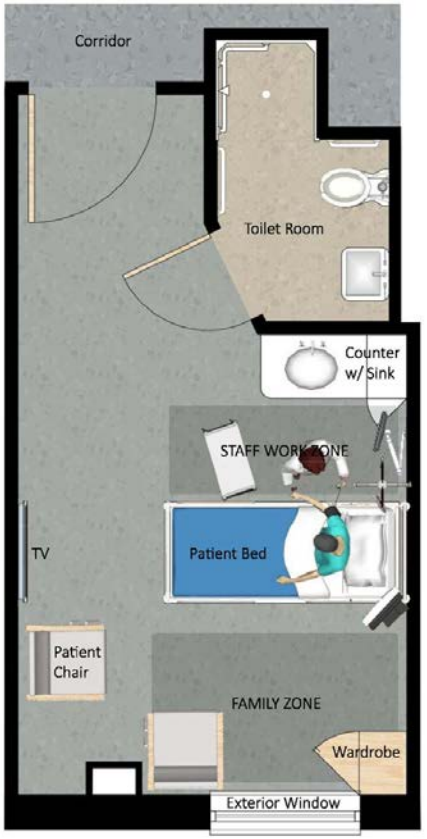
# SSM Patient Rooms (2006)



Room: 220 SF
Toilet: 40 SF
Total SF: 260 SF



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# SSM Patient Rooms (2009)

Room: 279 SF
Toilet: 55 SF
Total SF: 334 SF

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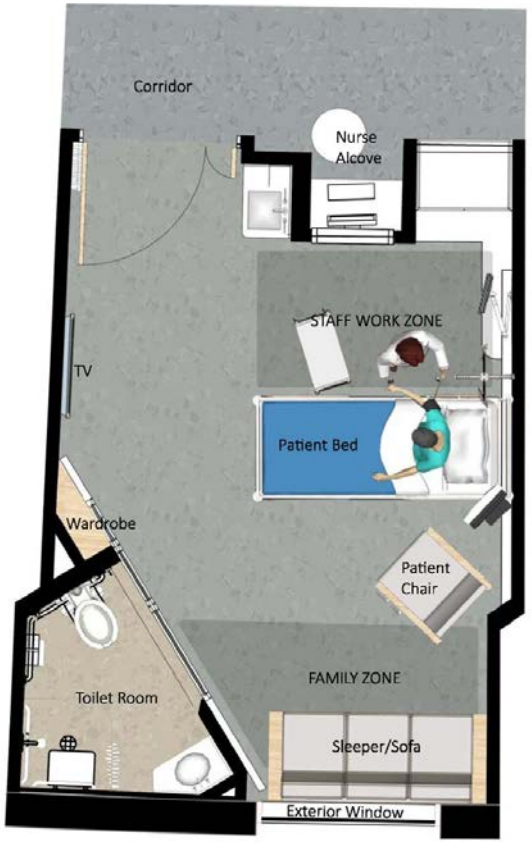
# SSM Patient Rooms (2014)

Room: 248 SF
Toilet: 36 SF
Total SF: 284 SF



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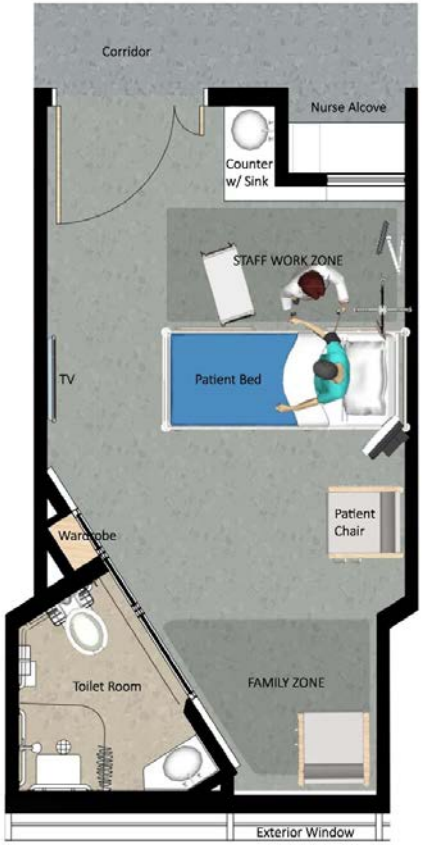
# SSM Patient Rooms (2017)

Room: 225 SF
Toilet: 35 SF
Total SF: 260 SF



# The Final Design

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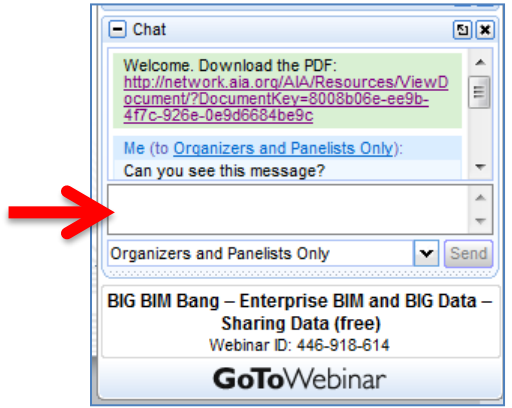
# Question Reminder

Submit your questions and comments via the chat box.



# Guiding Principles

Develop the campus facilities and support the missions of exceptional health care services, world class health professionals education and research.

**Excellence**
**Compassion**
**Community**
**Respect**
**Stewardship**

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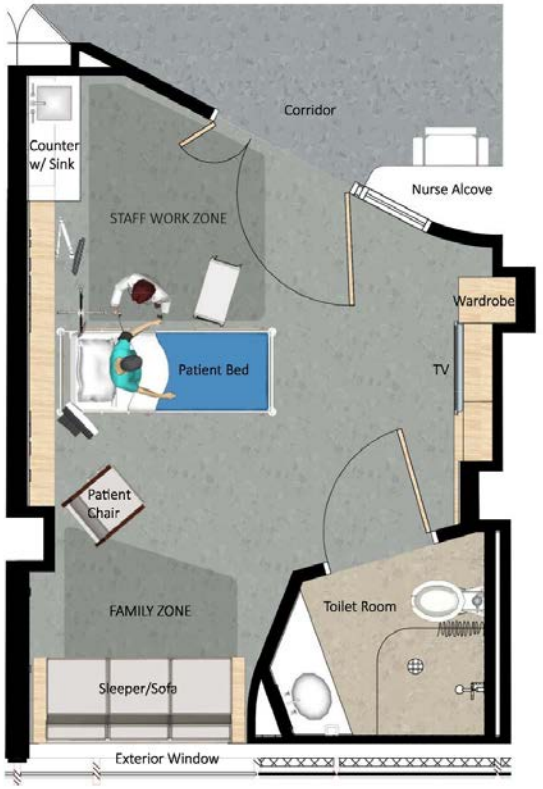
# SSM SLU Hospital

Room: 244 SF
Toilet: 37 SF
Total SF: 281 SF



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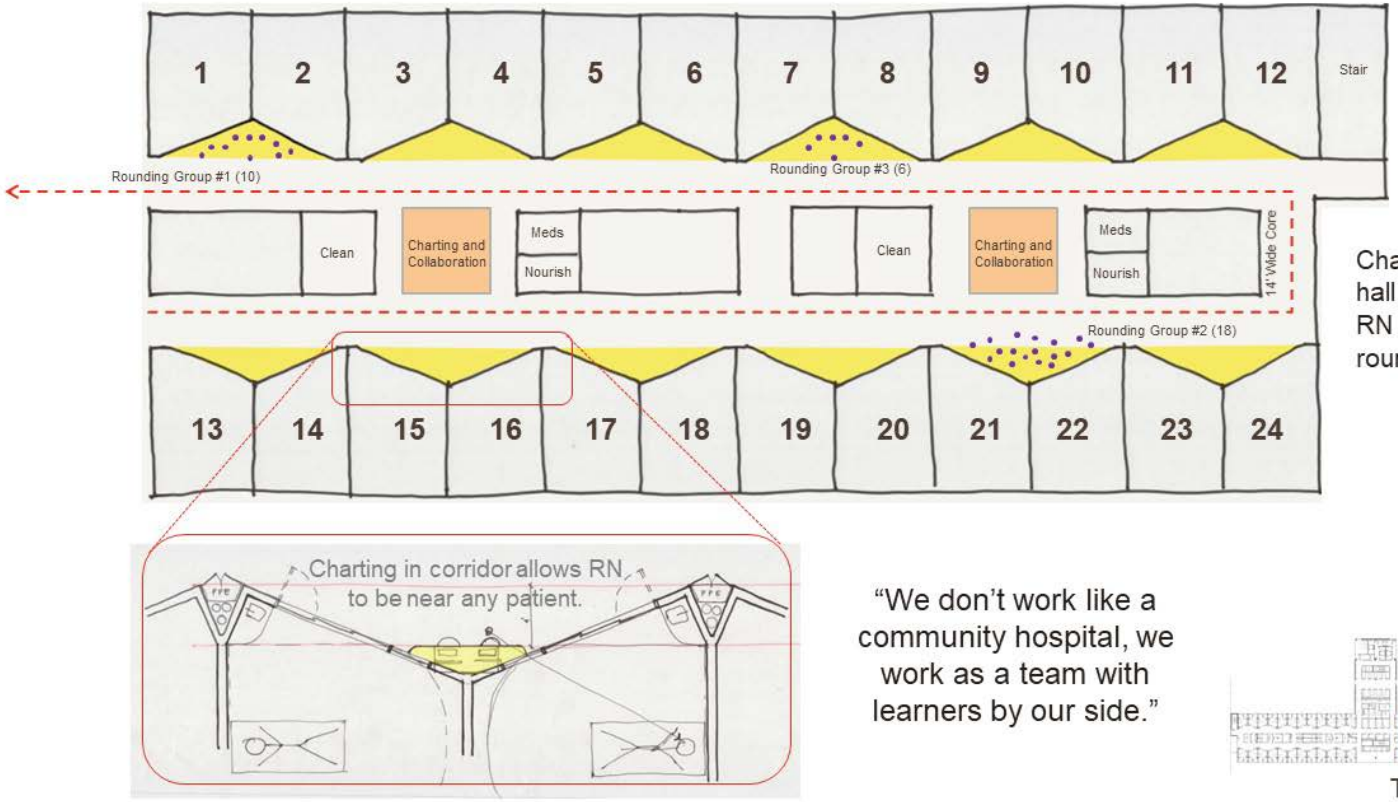
# Existing Care Models at SLU: Planning for a Better Experience

- Current State of Rounding Experience
  - Disruption
  - Disengagement
- Lack of visibility to patients




Charting in the hall embeds the RN with the rounding teams

"We don't work like a community hospital, we work as a team with learners by our side."

Typical Unit

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# Mirrored Rooms

## Human Experience

- Mirrored rooms may increase sound transmission between headwalls vs same handed room.
- Countermeasures will be required to mitigate this issue.

## Clinical Outcomes

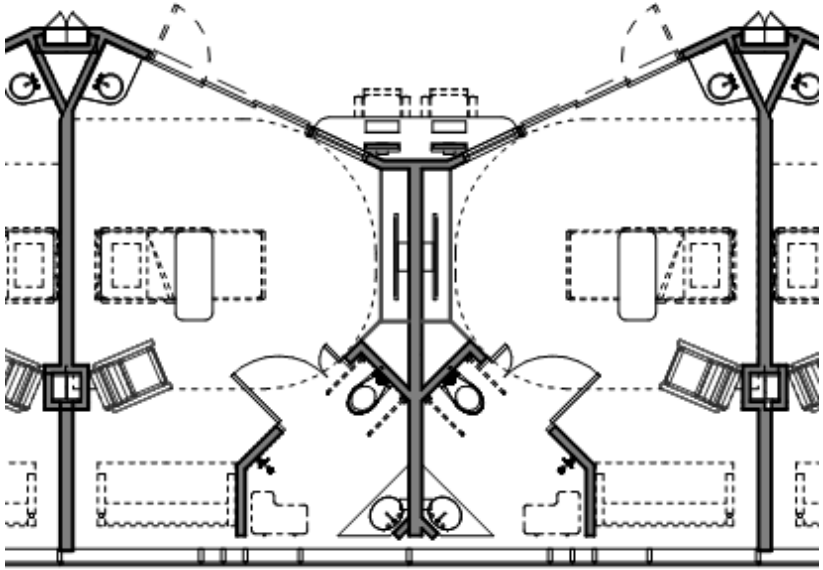
- Mirrored rooms allow standardization of the headwall. Research has shown this is key to impacting patient safety.

## Operational Efficiency

- Standardization (even if mirrored) reduces cognitive load if staff can see the patient care environment upon entry into the room.

# The Final Design: Rounding & Staff Work

- Alcoves to support rounding
- Mirrored rooms
- Corridor charting
- Two collaboration hubs in each 24-bed unit



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# Full-scale Mock Ups

# The Final Design: Specialty Patient Populations

- Deployed step-down beds
- Specialty wards for Trauma, Neurology and Medical
- Created ACE unit (including 2 specialized delirium spaces)

428
Heroes

Welcome

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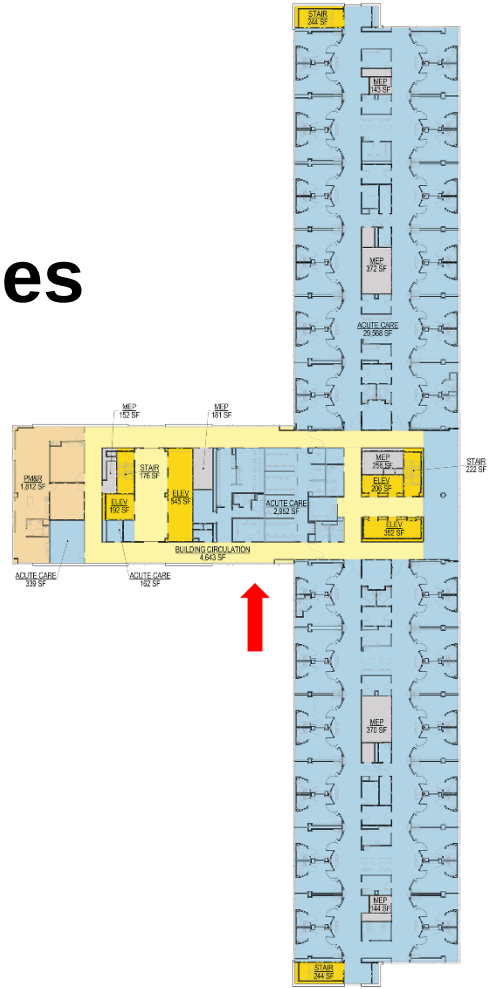
# The Final Design: Classroom Spaces

- Teaching spaces on each floor to support
- Requirement for dedicated documentation space
- Researched best in class academic medical centers
  - 1000+ SF dedicated education space/acute care nursing unit
  - AMC benchmark range is 780 SF – 1,290 SF/ nursing unit



# Lessons Learned

# Q & A

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# CES Reminder

The URL to the webinar survey https://www.research.net/r/AAH2010 will be emailed to you or the individual who registered your site.

The survey closes **Friday, December 11th** at 12:30am ET.

For questions, please email knowledgecommunities@aia.org

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# Upcoming Webinars

| Date | Series | Topic |
|---|---|---|
| **1/12** | **Beyond the Basics** | This Session is a "Disaster" |

Dates & topics are subject to change