The Harbors at Buckner Villa:
A SAGE POE
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Learning Objectives

• Learn about the SAGE approach to Post Occupancy Evaluations
• Understand the implications of plan layout on therapeutic and operational goals
• Be able to identify potential tradeoffs between design strategies and impacts on residents and staff.
• Understand the value of multi-stakeholder engagement in planning and design process.
Community Representatives

Charlie Wilson, Senior Vice President
Buckner Retirement Services

Doyle Antle, Executive Director
Buckner Villas

Cheryl Waters, Director of AL, Memory care and Education Services, Buckner Villas
Design Team

David Dillard
Principal, D2 Architecture

Siobhan Winfrey
Project Architect, D2 Architecture
Team members

Addie Abushousheh, PhD, EDAC, AIA
Researcher, Gerontologist, Consultant for Long Term Care

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Architect, Stewart & Connors Architects; Vice President of SAGE

Amy Carpenter, AIA LEED ap
Architect, SFCS Architecture
Team members

Melissa Pritchard, AIA LEED BD+C
Architect, SFCS Architecture

Migette Kaup, PhD, IIDA, IDEC, EDAC
Interior Designer, Educator, Researcher, Kansas State University Center on Aging

Teresa Whittington, RN, BSN, CDP
Nurse, Certified Dementia Professional, Consultant, CC Young
Who is SAGE?

Non-profit organization

Culture Change organization focused on the built environment

Educational focus

Local and national events

www.sagefederation.org
Mission

To promote collaboration among aging services providers, design professionals, regulators, residents, researchers, manufacturers, educators, students and others interested in providing innovative and appropriate environments for older adults.
POE process

Process of evaluating buildings in use
Levels of effort
• Indicative
• Investigative
• Diagnostic
Conducting POE’s since 1999
### Comments: Make comments about why a feature is positive or negative.

<table>
<thead>
<tr>
<th>Principles</th>
<th>Goals:</th>
<th>Feature(s):</th>
<th>Rating:</th>
<th>CQI:</th>
<th>Comments:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABCD</td>
<td><em>Maximize Awareness and Orientation:</em> Ways the building and systems support knowing where you are in relation to where you want to go.</td>
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<tr>
<td>BCD</td>
<td><em>Enhance Continuity of Self:</em> Ways the environment supports continued expression of personal identity: through personal possessions and a non-institutional ambiance.</td>
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<tr>
<td>ABCD</td>
<td><em>Opportunities for Personal Control:</em> Ways the environment provides opportunities for residents to exercise personal preference, choice and independent initiative to determine what will be done, and when.</td>
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<td>BCE</td>
<td><em>Facilitation of Social Contact:</em> Ways the environment supports residents to engage in a variety of meaningful social interactions.</td>
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<tr>
<td>ABDFG</td>
<td><em>Provision of Privacy:</em> Ways that input from (e.g., noise) and output to (confidential conversations) the larger environment are regulated.</td>
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PROJECT OVERVIEW
Site Plan
Site Plan
Floor Plan

Family/visitor entrance

Secure garden

Service entrance

Internal connection to LTC
One-Bedroom Unit Plan

Bedroom
10'1" x 12'11"

Bathroom
7'2" x 6'8"

244 s.f.
Shared Bath Unit Plan

- Bedroom: 11'10" x 12'11"
- Closet: 5'8" x 5'6"
- Shared Shower: 8'3" x 5'6"
- Bathroom: 8'1" x 6'9"

343 s.f.
Staffing (20 person HH)

12 hr shift – Certified Medication Technician (6a – 6p) (shared)  
12 hr shift – Licensed Vocational Nurse (9a – 9p) (shared)  
8 hr shift – Activity Aide (9-5:30) (per HH*)  
One dietary staff member per meal (per HH)  
One housekeeping staff member (shared)

Day Shift: 2 CNA per household

Evening Shift: 2 CNA per household

Overnight Shift: 1 CNA per household plus  
1 floater between households
What did we observe?
SAGE Design Principles

- Physical safety and psychological security
- Environment as a therapeutic resource
- Holism and well-being
- Individual rights and personal autonomy
- Communities and relationships
- Support of caregivers
- Function enhancing technology
- Creating and evaluating
Environmental assets

- Small House Design
- Secured Courtyard
- Private rooms
- Stealth service arrangement
- Residential feel
- Ability to personalize
- Family members feel loved ones are safe
Floor Plan
Secure Courtyard
Secure Courtyard
Secure Courtyard
Secure Courtyard
Secure Courtyard
Courtyard door
Courtyard door
Kitchen
Kitchen
Social Activities
Social Activities
“Meaningful” Spontaneous Activities
Sensory Environment
Sensory Environment
Sensory Environment
Light Levels
<table>
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<tr>
<th>AREAS</th>
<th>Ambient Light</th>
<th>Task Light</th>
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</thead>
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<tr>
<td>Activity Areas (Day only)</td>
<td>30</td>
<td>50</td>
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<tr>
<td>Resident Room</td>
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<td></td>
</tr>
<tr>
<td>Entrance</td>
<td>30</td>
<td>75</td>
</tr>
<tr>
<td>Living Room</td>
<td>30</td>
<td>75</td>
</tr>
<tr>
<td>Bedroom</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Wardrobe/Closet</td>
<td>30</td>
<td></td>
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<tr>
<td>Bathroom</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Make-up/Shaving Area</td>
<td>30</td>
<td>60</td>
</tr>
<tr>
<td>Shower/Bathing Rooms</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Kitchen area</td>
<td>30</td>
<td>50</td>
</tr>
<tr>
<td>Hallways (Active Hrs)</td>
<td>30</td>
<td></td>
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<tr>
<td>Hallways (Sleeping Hrs)</td>
<td>10</td>
<td></td>
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<tr>
<td>Dining (Active Hrs)</td>
<td>50</td>
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</tbody>
</table>

*Measured in Footcandles*
Sensory Environment
Sensory Environment
Thermal Comfort
Thermal Comfort
Thermal Comfort
Personalization
Personalization
Personalization
Personalization
Identifiable landmarks
Key Take Aways

• This was a great use of a challenging site.
• Involve staff and residents in design.
• Always opportunities for improvement (continual improvement!)
• Consider a multi-disciplinary look at your community.
Questions?