ABOUT | DESIGN INTENTIONS

A major one-story addition to an existing hospital was the result of a new conceptual campus plan for a critical access hospital in Central Iowa. After exceeding the facility’s original capacity, the first step of the refreshed masterplan was the design of a new outpatient clinic, promoting a zoned healthcare campus. All outpatient services, including primary care, therapy, rehabilitation, and wellness are consolidated in a state-of-the-art facility focused on quality of care. A unifying precept of the design was to deploy a formally simple diagram as a counterpoint to the existing facility. The wellness/therapy wing is clad in Ipé while the three clinic pods are identified by linen colored terracotta cladding, complementing the existing campus palette but providing a more progressive envelope design. A key component to the project is a new main entrance to the hospital, incorporating a new porte-cochère allowing covered cueing space for multiple vehicles. The new entry is framed by Ipé cladding and accented by glass which emanates light and serves as a beacon for the hospital and the community it serves.
Strategic planning and material choices provide a strong physical on-campus presence and identity through one main entrance and centralized registration. Expanding and enhancing the public dining experience for the campus was a significant commitment by the organization. Renovating the existing vestibule with window and door replacements maintained a connection to the new outdoor garden. Renovation and expansion of the existing dining room into the new lobby allows for service to the entire community with outdoor seating. In addition to patient and community needs, adaptable design was a strong driver to support future growth and change. With flexibility in mind, the new outpatient addition was designed to be transformed into an inpatient hospital space if future expansion of the hospital is ever required.
Story County Medical Center Outpatient Expansion
Nevada, Iowa

The design of the clinic was centralized around the idea of improving the patient experience and improving staff efficiency. Organizing the Clinic in an on-stage/off-stage exam model centered around a central teamwork space separates patient and staff traffic providing a more organized operation. This organizational strategy improves the patient experience by allowing back-of-house operations to remain behind the scenes. Linear organization of the waiting area allows patients to wait closer to their exam room, which they enter off dedicated patient corridors. The centralized teamwork space also provides a collaborative zone for health care providers to improve quality of care. New therapy/wellness gyms are highlighted by large glass monitors oriented to capture soft morning sunlight, capitalizing on its healing qualities and activating the functional aspect of the spaces to outwardly promote wellness to the community.

DEPARTMENTAL GROSS SQUARE FOOT TAKE-OFFS

<table>
<thead>
<tr>
<th>Department</th>
<th>Gross SF</th>
<th>Net SF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapy &amp; Wellness</td>
<td>7861 SF</td>
<td>7926 SF</td>
</tr>
<tr>
<td>Rural Health Clinic</td>
<td>17287 SF</td>
<td>17225 SF</td>
</tr>
<tr>
<td>Education &amp; Training</td>
<td>248 SF</td>
<td>242 SF</td>
</tr>
<tr>
<td>Registration &amp; Business</td>
<td>2432 SF</td>
<td>2402 SF</td>
</tr>
<tr>
<td>Building Support</td>
<td>2343 SF</td>
<td>2587 SF</td>
</tr>
</tbody>
</table>

PATIENT WALKING DISTANCE ANALYSIS

- Front entrance to registration: 42 ft
- Registration to medical waiting: 167 - 245 ft
- Medical waiting to exam room: 43 - 91 ft
- Registration to physical therapy gym: 284 ft
- Registration to wellness gym: 287 ft
- Registration to education: 247 ft

STAFF WALKING DISTANCE ANALYSIS

- Staff clinic entrance to work space: 74 - 167 ft
- Work space to medical waiting: 53 ft
- Medical waiting to exam room: 43 - 91 ft
- Staff Entrance to physical therapy gym: 273 ft
- Staff Entrance to wellness gym: 122 ft
- Staff Entrance to education: 49 ft

Therapy & Wellness Services  
Rural Health Clinic  
Education & Training  
Registration, HIM & Business  
Building Support  
Circulation

DEPARTMENT AREA PLAN

STORY COUNTY MEDICAL CENTER OUTPATIENT EXPANSION | CASE STUDY ANALYSIS
AIA Academy of Architecture for Health | Research Initiatives Committee

Image Sources: https://...
Story County Medical Center Outpatient Expansion
Nevada, Iowa

BUILDING CONCEPTS & GOALS
The design team took an integrated approach in dealing with the existing hospital and has made clear and intuitive wayfinding a key element for this campus. Natural light, views and carefully crafted spaces enhance the patient experience. The color and materials used for the exterior design are brought into the interior to reflect the warm and neutral colors found within the neighboring landscape, while the additional large-scale graphics strategically highlight patient destinations and corresponding routes through the addition to assist with wayfinding for the aging demographic of the area.

PROJECT SUMMARY:
Project: Story County Medical Center Outpatient Unit Expansion
Project location: Nevada, Iowa
Owner/Client: Story County Medical Center
Architect: INVISION Architecture
MEP engineer: MODUS Engineering
Civil Engineer: Bishop Engineering
Structural engineer: KJWW
General contractor: Graham Construction
Landscape Architect: Ritland + Kuiper
Photographs/ Illustrations: Cameron Campbell
Construction cost: $10 million
Building area GSF: 37,100
Cost per square foot: $270
Construction start date: March 2016
Substantial completion date: May 2017

AIA/AIA DESIGN AWARD WINNER
Category A: Built: Less than $25 million in construction cost
JURY COMMENTS:
▶ An excellent functional plan using ‘on-stage, off-stage’ concept for clinics, and direct wayfinding for patients. An appropriate and inviting shift to wellness for a small community that says, “The highest quality care is delivered here”.
▶ Exquisitely controlled and detailed project. Expressive form is derived directly from its functional parts - clinic pods are ‘framed forms’, large group spaces are highlighted with transparent elements. Inside, transparency is conveyed using glass, and color and graphics enliven the feel and promote healthy attitudes.

EDUCATION & TRAINING
CLINICAL POD
WELLNESS GYM
DINING
THERAPY & WELLNESS CORRIDOR
DRAFT-OFF CANOPY

Case Study Format Developed By:
AIA Academy of Architecture for Health | Research Initiatives Committee