

Story County Medical Center Outpatient Expansion

Nevada, Iowa



SQ FT
35,600 BGSF



OWNER/AFFILIATION
Story County Medical Center



ARCHITECT
INVISON
Architecture



COMPLETION DATE
MAY 2017



SOUTH ELEVATION



ENTRANCE



EXTERIOR OF CLINICAL POD



SITE MAP



NORTH



MAIN ENTRANCE

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.



DAWN PERSPECTIVE

Story County Medical Center Outpatient Expansion

Nevada, Iowa

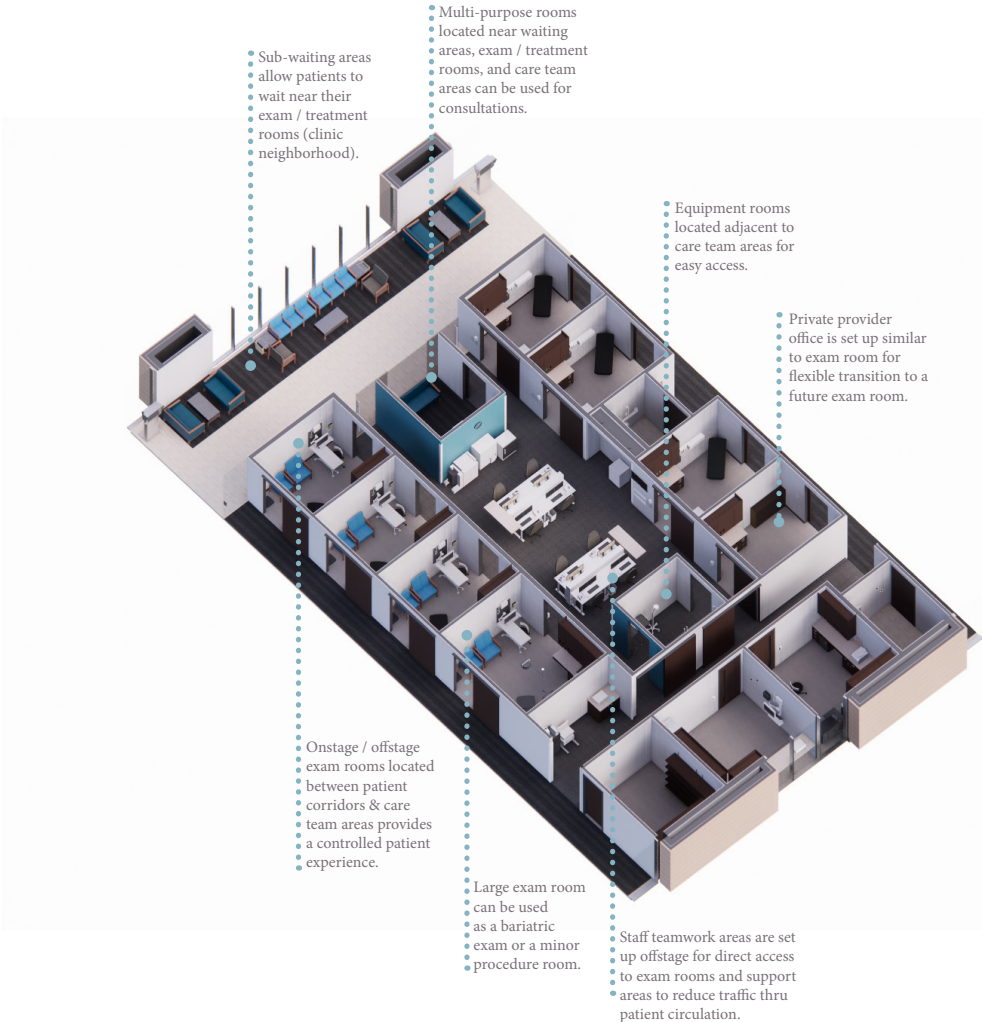
DESIGN STRATEGIES

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 signification commitment by the organization. Revamping of 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.



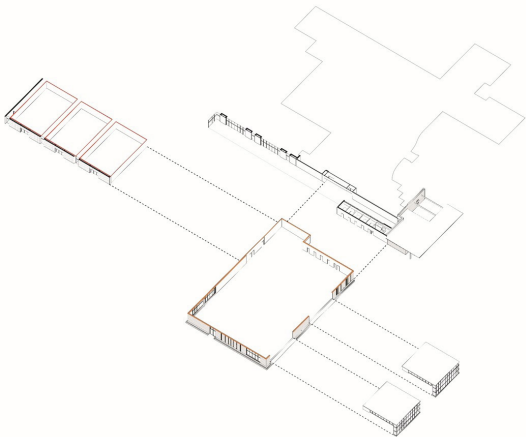
citation from design concept

CLINICAL POD AXON DIAGRAM



BUILDING FORM AND MASTER PLAN STRATEGIES

The **master plan** developed for the campus allowed SCMC to have **clear direction for their facilities future**. The design team spent a week immersed in the community to understand existing services, engage authentically, and provide peer institutional tours. The discovery process revealed that this critical access hospital needed an **expansion** that not only **strengthened** their primary care network, but also created a **central hub** for healthcare in the community. A series of test fits and relationship diagrams developed with the steering committee led to a refined design to meet the needs of all user groups. Mock-ups of key elements allowed the staff to spatially understand the organization and function of their future facility.



Story County Medical Center Outpatient Expansion

Nevada, Iowa

DEPARTMENT AREA PLAN

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** oriented 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 spaces allow staff to work closely to the exam rooms they serve, improving staff **efficiency** and reducing footsteps. 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

	Net	Gross
Therapy & Wellness	7861 SF	9726 SF
Rural Health Clinic	7287 SF	10218 SF
Education & Training	2248 SF	2362 SF
Registration, HIM & Business	2422 SF	2902 SF
Building Support	2345 SF	2587 SF



WALKING DISTANCE ANALYSIS



KEY SPACE & TRAVEL ANALYSIS

KEY SPACES

- ▶ Exam Rooms (**118 sf**)
- ▶ Minor Procedure Room (**165 sf**)
- ▶ Clinic Staff Work (**705 sf**)
- ▶ Consult Rooms (**91 sf**)
- ▶ Physical Therapy Gym (**1830 sf**)
- ▶ Wellness Gym (**1879 sf**)

PATIENT WALKING DISTANCE ANALYSIS

- ▶ Front entrance to registration: **42 ft**
- ▶ Registration to medical waiting: **147 - 245 ft**
- ▶ Medical waiting to exam room: **49 - 81 ft**
- ▶ Registration to physical therapy gym: **224 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: **51 ft**
- ▶ Medical waiting to exam room: **49 - 81 ft**
- ▶ Staff Entrance to physical therapy gym: **173 ft**
- ▶ Staff Entrance to wellness gym: **122 ft**
- ▶ Staff Entrance to education: **49 ft**

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/AAH 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.

