

Providence Sacred Heart Medical Center Pediatric ED
 Spokane, Washington



SQ FT
 28,000 BGSF



OWNER/AFFILIATION
 Sacred Heart Medical Center



ARCHITECT(S)
 Mahlum



COMPLETION DATE
 January, 2015



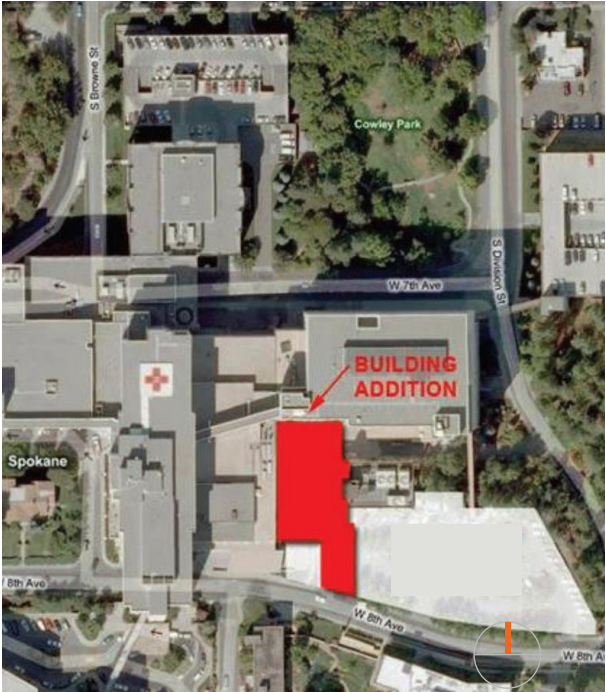
"RED LANTERN" ED ENTRANCE



SECOND FLOOR FAMILY ROOM



VIEW FROM OPEN WORK CORE



SITE MAP

ABOUT | DESIGN INTENTIONS

The Pediatric Emergency Department is designed to provide an engaging, safe environment that eases potentially traumatic experiences for young patients. **A series of respite spaces, both active and quiet, provide opportunities to decompress and offer views of the gardens and surrounding community.**



SECOND FLOOR CORRIDOR / CONNECTOR



SECOND FLOOR CONNECTION TO THE OLD HOSPITAL

Providence Sacred Heart Medical Center Pediatric ED

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DESIGN CONCEPT

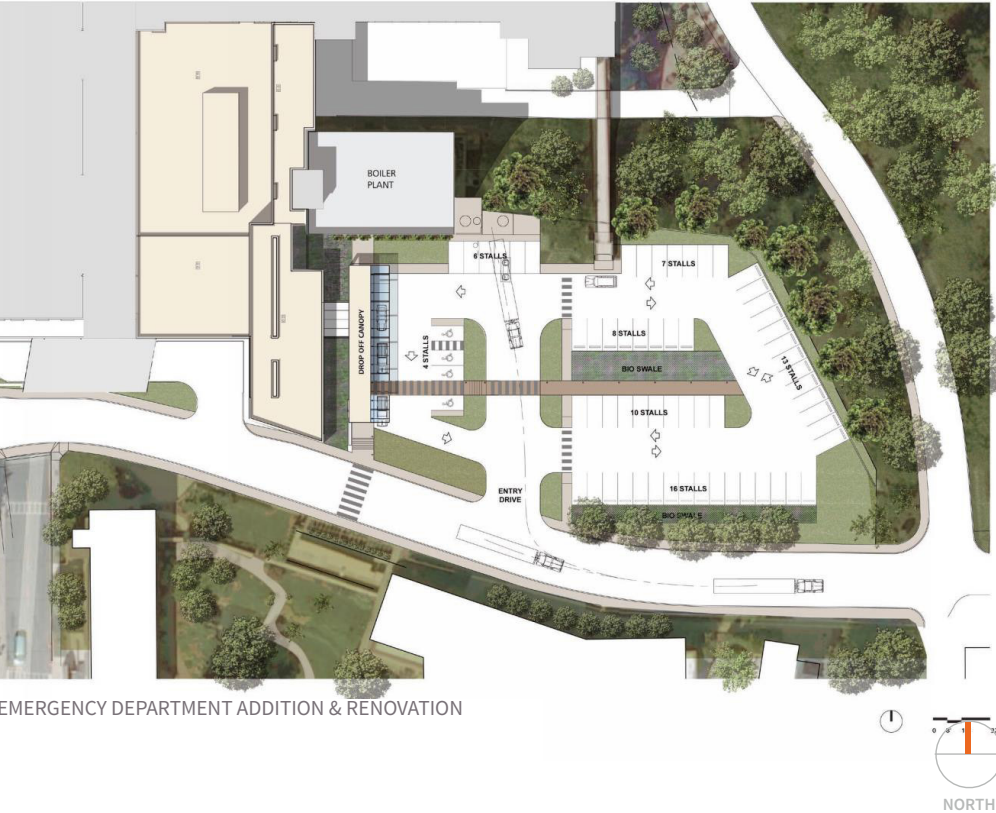
This addition creates a safe, calming environment for young patients in traumatic circumstances. The building's 'emergency red' panels serve as recognizable focal point on the medical campus, while a light-filled atrium accented by wood and warm colors welcomes visitors arriving from the sheltered drop-off zone. Clinical and public spaces employ graphics, art, comfortable furnishings, and inspirational displays to create restorative surroundings.

Advanced medical care is delivered via central care team zones close to patient care areas; glass partitions allow visual connections with acoustical privacy.



EXAM / TREATMENT ROOM

SITE PLAN



EMERGENCY DEPARTMENT ADDITION & RENOVATION

DESIGN CONCEPT

Tucked among the existing hospital structures, the design of the exterior creates an easily recognizable destination for patients and families. The prominent Red Lantern is a hallmark on the campus.

- Existing
- Addition

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DESIGN CONCEPT

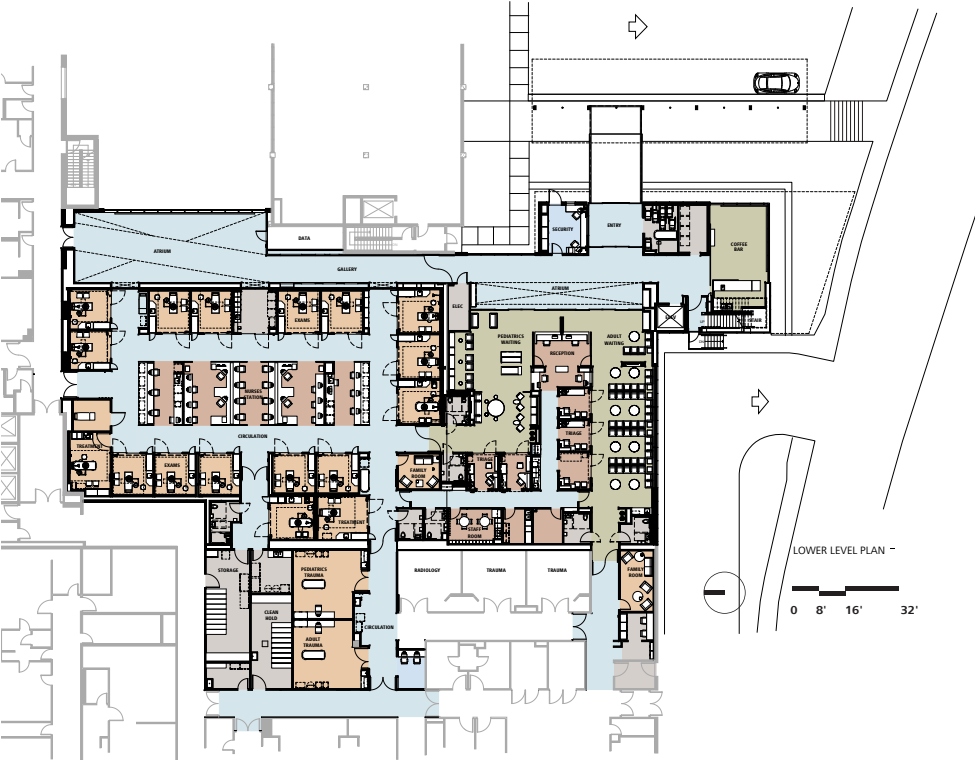
The facility serves pediatric patients in 18 new exam rooms. A central care team zone colocates physicians, nurses, and mid-level providers in close proximity to patient care areas. Glass partitions allow direct visual connections into patient areas while maintaining acoustical privacy. **The staff zone is designed to accommodate a range of care team sizes, which rise and fall with patient census.** Support spaces are located nearby, ensuring immediate access to medical equipment and enhancing efficiency.

Each treatment space is adorned with colorful graphics tailored to appeal to young patients. **Medical gases, monitoring equipment, and computers are aligned to minimize clutter, reduce visual stress, and limit the number of “scary things” on the walls.** Indirect lighting creates an environment that eases an already stressful situation. The bright color palette in the treatment areas recalls the energy of the “red lantern” and the outdoors beyond.

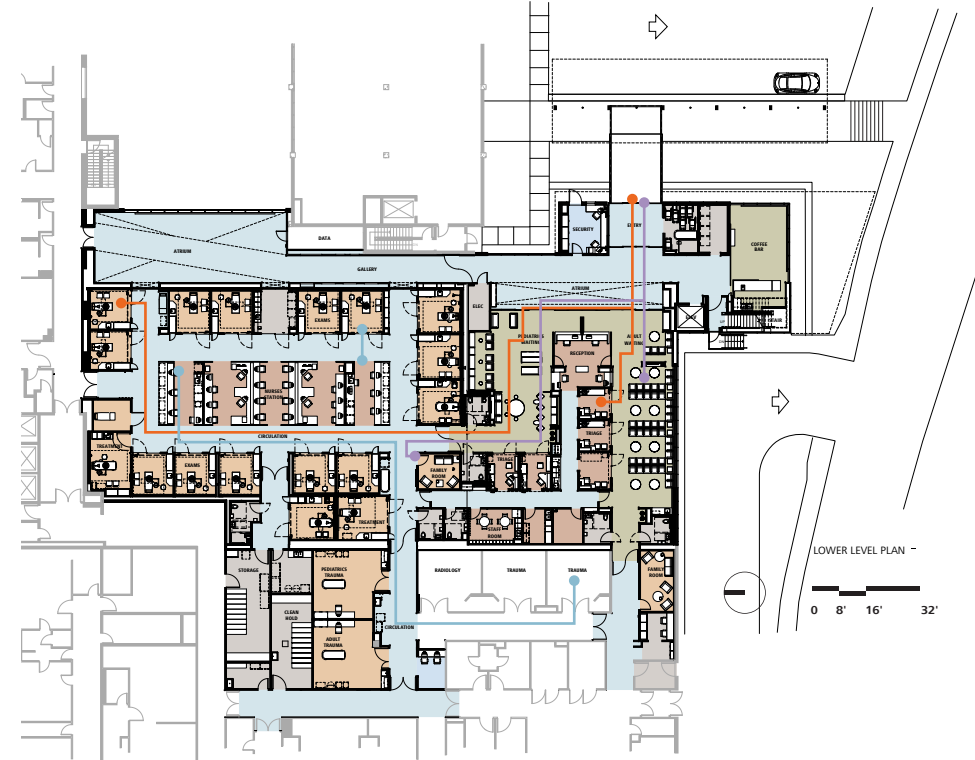
KEY SPACE :

Patient Care	3,038 NSF
Staff Spaces	2,526 NSF
Waiting & Family	2,483 NSF
Services	1,638 NSF
Gallery / Atrium	2,043 NSF

Floor Plan



TRAVEL DISTANCE ANALYSIS



TITLE

KEY SPACES:

- ▶ Exam Rooms (133 - 160 nsf)
- ▶ Trauma Room (415 nsf)

TRAVEL DISTANCE ANALYSIS

- Patient 57 ft - 154ft
- Family 41ft - 215ft
- Staff 12 ft - 205 ft

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DESIGN CONCEPT

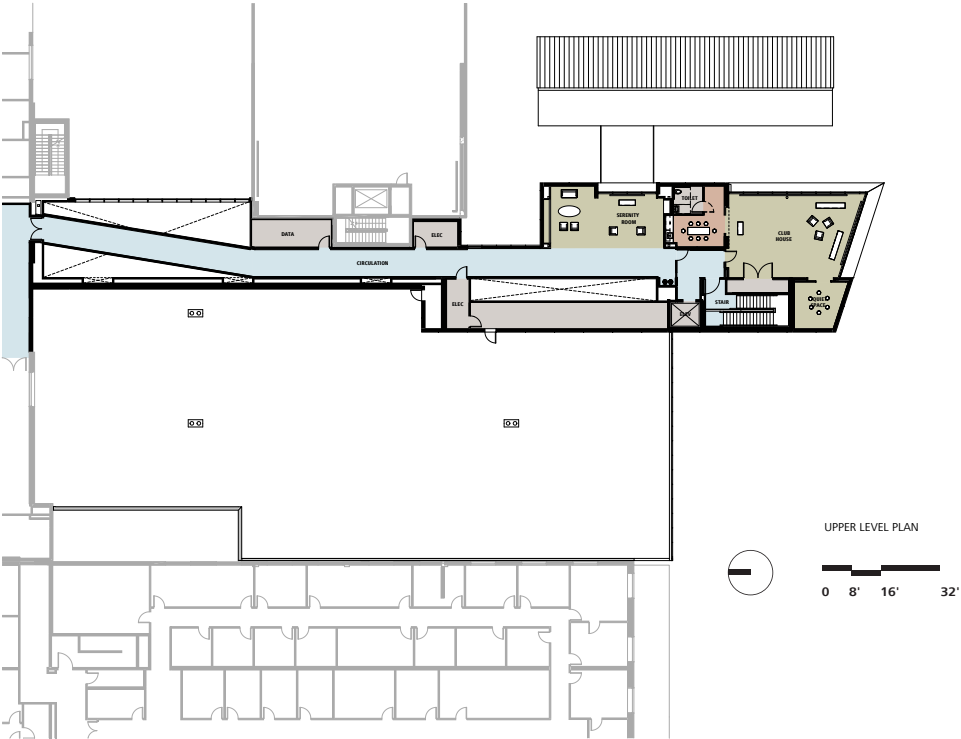
From project initiation, the team worked to achieve a set of operational, patient-centered, and community-focused outcomes, **as well as an improved net-to-gross benchmark.** Collaboration to achieve these outcomes drove the design process, informed each decision along the way, and ensured that clinical workflow and patient well-being drove the new pediatric emergency model.

KEY SPACE :

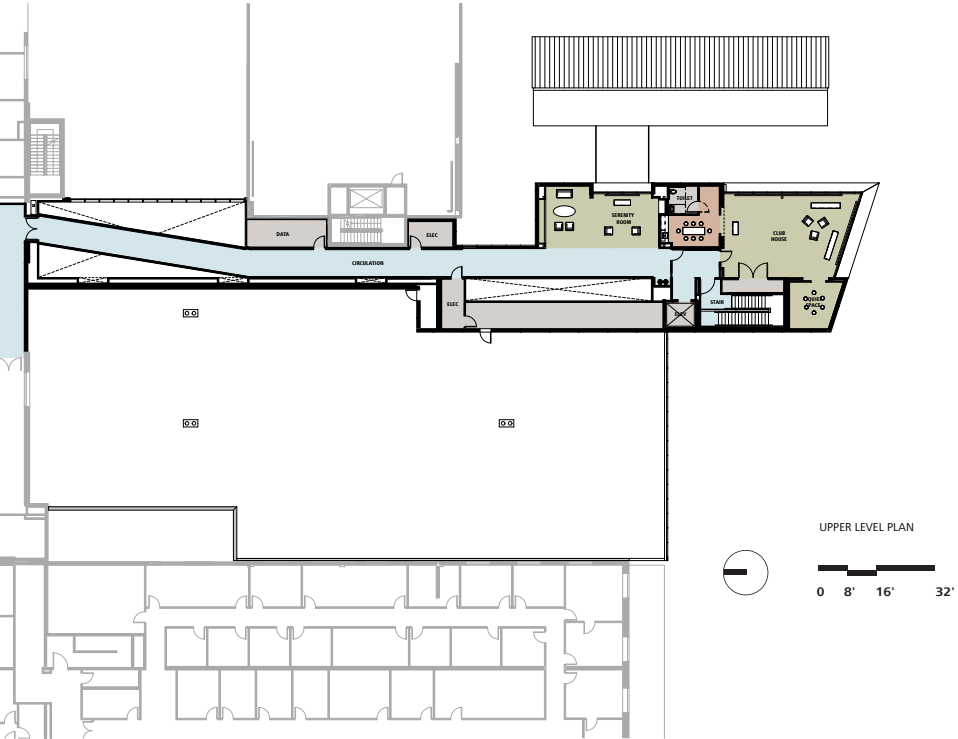
- Waiting & Family
- Staff

845 NSF
126 NSF

Floor Plan



TRAVEL DISTANCE ANALYSIS



Emergency Department Addition:

DNSF: 12,699

DGSF: 20,649

Net-to-Gross: 1.62

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ENVIRONMENTAL IMPACT

Integrated sustainability was another early project objective; simple strategies included daylighting, indigenous landscaping and the use of recycled materials. More complex strategies includes energy reduction measures such as a heat recovery system that harvests heat from exhaust air to supplement boilers, and dedicated VFD fans that ramp up or down based on occupancy.

PROJECT SUMMARY:

Project Name: Pediatric ED
Project owner: Providence Sacred Health Medical Center
Project location: Friday Harbor, San Juan Island, WA
Architect: Mahlum
Interior Designer: Mahlum
General Contractor: Bouten Construction Co.
MEP Engineer: MW Consulting (M), Coffman Engineers (E, S)
Civil Engineer: DCI Engineers
Photographer: Benjamin Benschneider
Additional Team Members: Environment West
Building Area (gross square feet): 28,000 SF
Construction Start date (year): 2013
Substantial completion date (month/year): January 2015



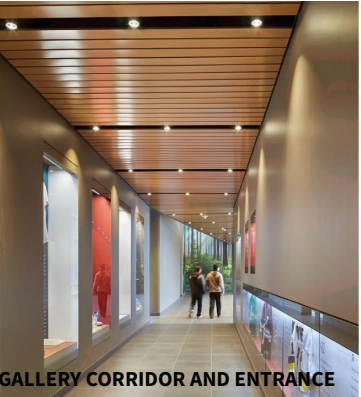
DROP-OFF CANOPY AND ENTRANCE

AIA/AAH DESIGN AWARD WINNER

Category: Innovations in Planning and Design Research, Built and Unbuilt

JURY COMMENT

- ▶ In contrast to many new pediatric facilities, this building is child-friendly without being childish. Within the context of the larger medical campus, the striking, red, cantilevered volume of the Emergency Department offers a strong presence that urgently notifies and invites.
- ▶ Inside, the restrained finish palette coupled with an effective use of colorful graphics creates calming, light-filled interiors for all age groups.
- ▶ The highpoint of the design, however, may be the views offered from its red perched volume. Here, through expansive walls of glass, young patients and their families are afforded a different perspective of the neighborhood stretched out before them - likely a welcome diversion for those visiting the ED.



GALLERY CORRIDOR AND ENTRANCE



CONNECTOR GALLERY CORRIDOR



CORRIDOR BETWEEN OPEN WORK COCORE AND TREATMENT ROOMS