

Legacy ER Allen
Allen, Texas



SQ FT
8,432 BGSF



OWNER/AFFILIATION
Legacy ER



ARCHITECT(S)
5G Studio
Collaborative



COMPLETION DATE
2013



EXTERIOR VIEW AT WALK-IN ENTRY



MAIN REGISTRATION



CORRIDOR



SITE MAP

ABOUT | DESIGN INTENTIONS

Legacy ER operates a **hybrid program offering urgent care and 24/7 state-licensed emergency medical care services within a freestanding 8,432 SF building**. Conceptualized as a potent reflection of the organization's identity, the architecture sought to capture in aesthetic terms the duality of the emergency medical professionals' character, projecting outwardly the knowledge, skill, precision, and decisiveness necessary for the competent practice of emergency medicine and expressing inwardly the gentle, empathic, and humanistic qualities of the persons beneath the robe.



EXTERIOR VIEW



GLASS VESTIBULE

Image Sources: <http://www.archdaily.com/528393/legacyer-5g-studio-collaboative>

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Legacy ER Allen

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DESIGN STRATEGIES

Natural lanscape form

Situated among open fields and nondescript suburban development, the project administered an episodic architectural intervention to agitate the chronically lethargic context beyond its lot line. **Beginning with a landscape design strategy that reconciled nature and man-made settings, drought-tolerant vegetation species such as the cedar elm trees, pink muhly grass, weeping love-grass, and buffalo-grass were selected and subtle grading of land were composed to evoke memories of natural landscape forms.** The soft- and hard-scape elements seamlessly dissolved their boundaries along the public domain.

Tectonic roof design

The building profile extrapolated the conventional residential roof planes and was given a new tectonic grammar to drive its programmatic transformation around the building. Gradient perforated panels were mapped onto the exterior surfaces to allow for diffusive building lighting and passive solar shading. Zinc, being the most sustainably-sourced metals for construction, was selected for its inherent greyish-blue warmth and resiliency during extreme Texas weather events. The zinc panels were patterned to maintain continuous readings of the vertical standing seams with knife-edged thickness along their planar perimeter.

The project was conceptualized as a reflection of Legacy ER's organizational identity and sought to give form to an emerging model of freestanding emergency medical care facilities. -Yen Ong, 5G Partner.



EXTERIOR VIEW



SKYLIGHT IN LOBBY



STAFF DECK



TRAUMA ROOM



CONFERENCE ROOM

STRATEGIES

Natural light

Relating in contrast, the interior spaces blur their edges and receive natural and artificial light softly. The points of admission of natural daylight and outdoor views create apertures that penetrate through the building envelope and interior planes and elucidate those intersecting tectonic moments. **The atmospheric quality of the interior continually morphed in response to the natural climatic conditions and poetically linked the users to nature.** The detailing of the interior skylights read as frameless apertures puncturing through the exterior membrane. At the material level, the mirror aggregates in the polished concrete floor mix and the frosted glass panes reflected the outdoor light colors and set a pleasantly calming ambiance.

Collaborative working environment

The building integrated the principles of **Evidence-Based Design within its spatial, circulatory, and sensory structure while being careful not to create a facility that could be perceived as overly methodical.** Multiple skylights were situated at strategic intersections of the circulation to form a sensible system of way-finding. The components of workspaces were designed for peer collaboration, patient accessibility, and data privacy, while the patient care areas were crafted for hospitality and treatment efficacy to reduce errors in the administration of medicine. The off-stage environment of the medical staff was as well accounted for; the staff lounge and office areas were connected through a daylight-filled double-height space and were provided access to a balcony tucked under the zinc roof.

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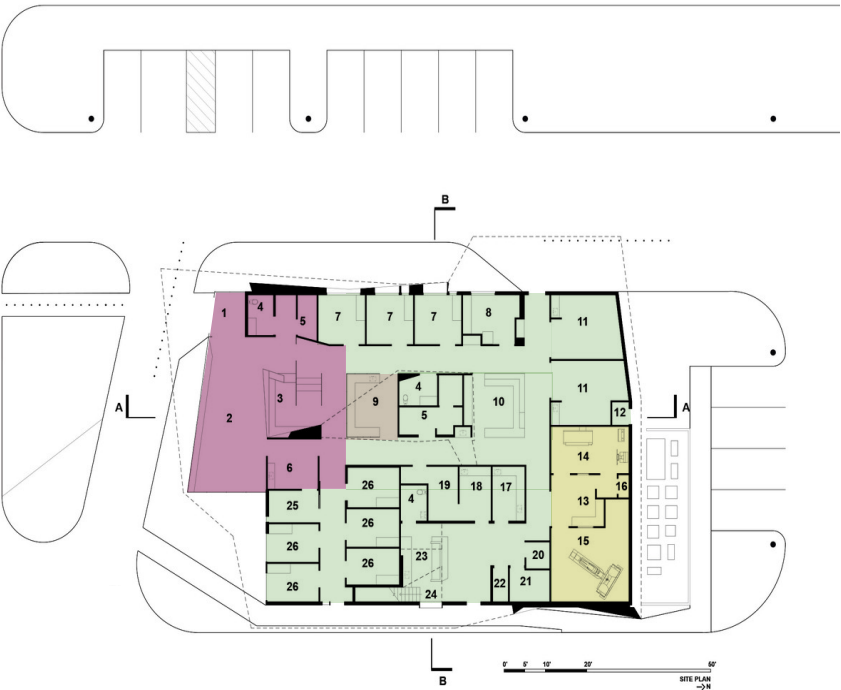
PROJECT SUMMARY:

Project: Legacy ER Allen
Project location: Allen, Texas
Owner/Client: Legacy ER
Architect: 5G Studio Collaborative
Project manager: Christine Robbins-Elrod
Structural engineer: Datum Engineers
General contractor: UEB
MEP engineer: Jordan & Skala Engineers
Photographs/Illustrations: Michael Moran/OTTO
Construction cost: ??
Building area GSF: 8,432 SF
Cost per square foot: ??
Construction start date: ??
Substantial completion date: ??

DEPARTMENTAL GROSS SQUARE FOOT TAKE-OFFS

Medical support	4,282 SF
Registration/Waiting	1,451 SF
Lab	168 SF
Imaging	753 SF

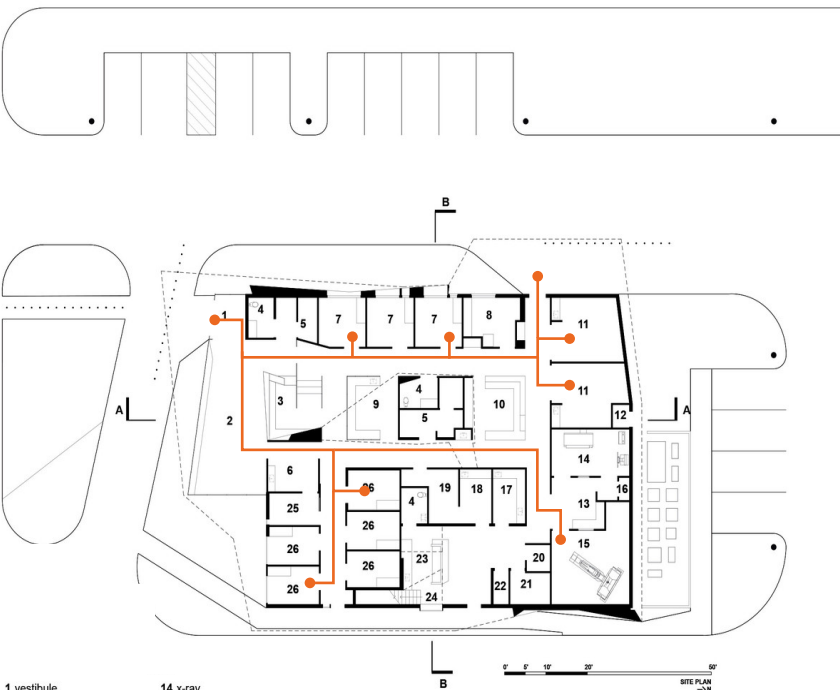
GROUND LEVEL:



Note: "Departmental Square footages take-off based on 'Analysis of Departmental Area in Contemporary Hospitals calculation methodologies & Design Factors Report, 2014

Image Sources: <http://www.archdaily.com/528393/legacyer-5g-studio-collaboative>

TRAVEL DISTANCE ANALYSIS



- 1 vestibule
- 2 lobby
- 3 reception
- 4 toilet
- 5 storage
- 6 triage
- 7 exam
- 8 medical workroom
- 9 lab
- 10 nurse station
- 11 emergency treatment room
- 12 fire riser
- 13 control room
- 14 x-ray
- 15 ct scan
- 16 medical gas
- 17 soiled workroom
- 18 clean workroom
- 19 clean storage
- 20 housekeeping
- 21 electrical
- 22 vacuum pump
- 23 nourishment station
- 24 up to mezzanine
- 25 urgent care exam
- 26 medical waiting room

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TITLE AIA/AAH DESIGN AWARD WINNER

Category A for built projects with total construction cost less than 25 million dollars.

JURY COMMENT

- "This architectural response to a straightforward planning solution is an exciting vision of how good design represents the intent of a building.
- The result is a fresh and innovative solution to freestanding urgent care centers and emergency rooms. Angular forms identify this facility as an important place without intimidating patrons.
- The use of light to define the forms makes most unique and delightful.
- Overall, the interior design is very clean and good use of colors, translucency, and natural light.
- The exterior design is exceptional, very sculptural and the staff amenity spaces are extraordinary.
- The strong design concept is consistently implemented at all levels, creating a highly visible branded object within the suburban surroundings.

KEY SPACES

Exam room	132 - 135 SF
Emergency treatment room	245 - 248 SF
Medical waiting room	112 SF
CT room	354 SF
X-ray room	197 SF

TRAVEL DISTANCE ANALYSIS

- Walk-in entrance to exam room 41ft - 64ft
- Ambulance entrance to emergency room 20ft - 29ft
- Walk-in entrance to medical waiting 90ft - 68ft
- Walk-in entrance to CT room 128ft