

# HEALTHCARE ARCHITECTURE

## HEALING BY DESIGN HEALTHCARE PHILOSOPHY

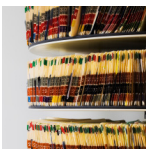


### THE ENVIRONMENT MUST BE COMFORTABLE AND THERAPEUTIC

As architects, our responsibility is to create an environment to enhance wellness and encourage healing. We are to address functional requirements and create an aesthetically pleasing space. The design emerges from an understanding of the facility's functions, and how they relate to the needs of

the patient. Important aspects of creating therapeutic spaces include:

- The use of familiar materials that make the environment more understandable.
- Proper selection and use of colors and textures.
- Creative use of natural light.
- Providing spaces that promote order and interest in the absence of exterior views.



### FUNCTION

With respect to design, a healthcare facility should consider the following functions:

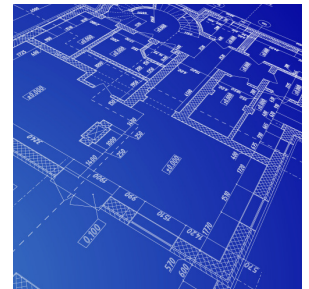
- Inpatient
- Outpatient
- Diagnostic and treatment
- Administrative
- Service
- Research and teaching



### EFFICIENCIES

A properly planned healthcare facility should:

- Minimize distances traveled between frequently used areas.
- Allow for greater visibility of patients by the staff.
- Eliminate redundant spaces.
- Streamline flow of food and supplies, laundry and waste removal.
- Contain multipurpose areas.
- Group areas that share functional requirements.
- Provide proper special adjacencies.





## FLEXIBLE

Our goal is to provide health care solutions that meet the requirements of today, yet provide for technological changes in the future. Healthcare design must be innovative

as medical needs and modes of treatment are ever changing.

For example:

- Use general space sizes and plans.
- Use of standard, easily accessible mechanical and electrical systems
- The facility must have the ability to be modified without the disruption of existing services.
- Flexibility must be built into all master plans and space plans.

## ARCHITECTURE AS A MAP

The architecture should communicate organization. The architectural organization, landmarks and patterns should be easily comprehended. This promotes a feeling of comfort, safety, understanding that supports staff in focusing on the assignment of healing.



## CLEANLINESS AND SANITATION

Cleanliness and infection control is a necessity in modern health facility planning, design, and construction. Hospitals must be easy to clean and maintain. This is facilitated by:

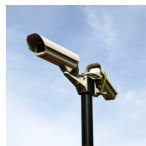
- Durable finishes for each space.
- Detailing of doorframes, casework, and finish transitions to avoid hard to clean areas.
- Adequate and appropriately located housekeeping areas.



## ACCESSIBILITY

All interior and exterior spaces should:

- Comply with the minimum requirements of the Americans with Disability Act.
- In addition to mandated codes and guidelines, the design must take into account the needs of patients particular to their healing.



## SECURITY AND SAFETY

In addition to the general safety concerns of all buildings, hospitals have several particular security concerns:

- Protection of hospital property.
- Protection of patients and staff
- Safe control of violent or unstable patients
- Possible vulnerability to damage from terrorism because of role in the public health system.

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PROJECT	CLIENT	COST IN THOUSANDS
Azalea Retirement Community - Oxford, MS	Heritage Properties	\$4,800
Mississippi Veterans Hospital - Jackson, MS	Mississippi Veterans Hospital	\$750
The Grove Nursing Home, New 60 Bed Facility - Columbia, MS	The Grove Nursing Home	\$3,500
The Grove Nursing Home, 24 Bed Addition - Columbia, MS	The Grove Nursing Home	\$500
Woodland Village Nursing Home - New 60 Bed Facility - Diamondhead, MS	Woodland Village Nursing Home	\$3,500
Woodland Village Nursing Home - 20 Bed Alzheimer and 54 Skilled Care Addition - Diamondhead, MS	Woodland Village Nursing Home	\$350
FMC Dialysis Center - Forest, Canton(2), Brandon, Yazoo City, Kosciusko and Jackson, MS	FMC	\$3,500
Crawford Nursing Home, 60 Bed Addition	Crawford Nursing Home	\$400
New 60 Bed Facility - D'Iberville, MS	Conner Cain	\$4,500
Lakeview Nursing Home - New 60 Bed Facility - Gulfport, MS	Brian Cain	\$3,000
Lakeview Nursing Home - 55 Bed Addition - Gulfport, MS	Brian Cain	\$600
Hotel Reed Personal Care Center - Gulfport, MS	Conner Cain	\$450
Lexington Manor Nursing Home - New 60 Bed Facility - Lexington, MS	Humphreys Co. Memorial Hospital	\$2,500
Lexington Manor Nursing Home - 34 Bed Addition - Lexington, MS	Humphreys Co. Memorial Hospital	\$450
Tunica Nursing Home - New 60 Bed Facility - Tunica, MS	Tunica Nursing Home	\$2,800
Winston County Nursing Home - 16 Bed Addition - Louisville, MS	Winston County	\$250
Winston County Nursing Home - 9 Bed Addition - Louisville, MS	Winston County	\$180
Ocean Springs Nursing Home - Ocean Springs, MS	Ted Cain	\$1,500
Ocean Springs Nursing Home - Alterations and Additions - Ocean Springs, MS	Ted Cain	\$250
Jefferson County Nursing Home - New 60 Bed Facility - Fayette, MS	Jefferson County	\$3,000
Nursing Home - 60 Bed Facility - Macon, MS	Noxubee General Hospital	\$2,700
St. Mark's Manor Retirement Home -24 units - Jackson, MS	St. Mark's Manor	\$1,800
The Grove Nursing Home, 24 Bed Addition - Columbia, MS	The Grove Nursing Home	\$500
Woodland Village Nursing Home - New 60 Bed Facility - Diamondhead, MS	Woodland Village Nursing Home	\$3,500
Woodland Village Nursing Home - 20 Bed Alzheimer and 54 Skilled Care Addition - Diamondhead, MS	Woodland Village Nursing Home	\$350
Covington County Nursing Home	Covington County Hospital	\$1,300
Humphrey's County Memorial Hospital - Re-roofing Project and Addition - Belzoni, MS	Humphrey's County Memorial Hospital	\$400
Madison Parish Hospital Re-roofing - Tallulah, LA	Madison Parish Hospital	\$250
Roofing Program Jefferson County Hospital - Fayette, MS	Jefferson County Hospital	\$100

# COVINGTON COUNTY HOSPITAL

**LOCATION:** Collins, MS **CLIENT:** Covington County **COST:** \$1,500,000 **USE:** Healthcare



## PROJECT DESCRIPTION:

This project includes the renovation and upgrade to the second floor existing patient beds, nurses station and related support areas. A new nurses station and VIP patient rooms with upgraded finishes are housed on the second floor. This new layout houses current design for both patient care and hospital services and esthetics. Project alterations cover approximately 17,250 square feet.



# FRESENIUS HEALTH CARE - DIALYSIS CENTERS

**LOCATION:** Various Locations **CLIENT:** FMC **COST:** Varies **USE:** Healthcare



## PROJECT DESCRIPTION:

Ferguson & Associates has completed numerous projects for the FMC Group. These projects are located in Canton, Jackson, Yazoo City, Brandon and Forest, MS.

# VETERAN'S HOSPITAL WAITING ROOM ADDITIONS

**LOCATION:** Jackson, MS **CLIENT:** G. V. Sonny Montgomery VA Medical Center **COST:** \$750,000 **USE:** Healthcare



## PROJECT DESCRIPTION:

This project included construction of VA Hospital Waiting Room Addition and associated site work in Jackson, Mississippi. The Owner is the G. V. Sonny Montgomery VA Medical Center, Jackson, Mississippi.