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HARDY and Associates / Architect

Healthcare Educational Commercial PLLC

Design and Construct a Juvenile Detention Center
Harrison County, Mississippi

REQUEST FOR PROPOSAL
for
ARCHITECTURAL SERVICES

FROM:

HARDY & ASSOCIATES / ARCHITECT, PLLC
15260 Big John Road
Biloxi, MS 39532
228-215-1851

Proposal Opening Date and Time
Tuesday, June 27, 2017 at 10:30 a.m.

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HARDY and Associates / Architect

Healthcare

Educational

Commercial

PLLC

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Mailing Address:
15260 Big John Road,
Suite A
Biloxi, MS 39532

Phone: 228-215-1851
Fax: 228-215-1852
Cell: 601-941-9366

Web:
www.hardyarchitect.com

Harrison County Board of Supervisors
First Judicial District Courthouse
1801 23rd Ave.
Gulfport, MS 39502

June 27, 2017

Re: Request for Proposal for Architectural Services
To Be Opened June 27, 2017

Dear Board of Trustees:

First, we would like to thank you for giving us the opportunity to submit our firm qualifications for your consideration. We are excited at the prospect of working with Board of Harrison County Supervisors and believe we can partner together to build a state of the art juvenile detention center. We are confident that our quality of work will be an asset and if awarded the contract, Hardy and Associates Architect, PLLC will be able to move forward immediately with architectural services.

Please accept this correspondence as our response to the RFQ for Professional Architectural Services. Hardy and Associates/ Architect, PLLC (HA/A) is a professional architectural firm located in Biloxi Mississippi, with full capability of providing the services needed for any project Harrison County Board of Supervisors may entertain. Our staff includes two Registered Architects, three Project Managers, Production Coordinator, one Interior Designer, and Business Manager. Because of our extensive work in education and healthcare, each employee is required to have a background check performed and passed before becoming an employee of HA/A.

At Hardy and Associates / Architect, PLLC, we work hard to ensure that we give each client what they are looking for while keeping the cost within budget. While making a budget for a project, we will speak with local general contractors and reference other projects similar to the one we are working on to come up with a budget. HA/A feels it is our responsibility to stay within that number and does so through creative design concepts. We normally stay within 10% of our cost estimates for construction costs. While we offer our expertise and opinions, we have built strong relationships with our clients by always listening to their needs and concerns and working to bring their vision to fruition.

Enclosed you will find our resumes, and resumes of engineers we will partner with, detailing the various experiences and opportunities we've had over the past 21 years. Our experiences require us to follow strict guidelines, codes and life safety requirements which sets us apart from other firms.

Please do not hesitate to contact me if you require any additional information.

Sincerely,

Hardy & Associates/ Architect, PLLC

Marion A. Hardy, AIA, NCARB
President

Marion A. Hardy, AIA
"Marty Hardy"

H **HARDY** and Associates Architect PLLC



Harrison County School District
River Oaks Elementary School



Singing River Hospital System
New Neuroscience Center



D'iberville High School Stadium
New Football Field Turf

15260 Big John Road, Suite A
PHONE: 228-215-1851

Biloxi, MS

39532

FAX: 228-215-1852



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Firm Overview

Hardy and Associates/ Architect, PLLC is a Mississippi-based architectural firm. The firm's current staff includes a registered architects with over 41 years of experience, Projects Managers with 47+ years of experience, Production Coordinator, Interior Designer, as well as a Business Manager. HA/A currently has a successful working relationship with the Harrison County School District, Pass Christian School District, Singing River Health System, Merit Health Biloxi, Merit Health River Oaks, Yalobusha General Hospital and Nursing Home, George Regional Hospital, Tallahatchie General Hospital, and several other hospitals throughout Mississippi and Alabama as well as some smaller medical/clinical/commercial facilities. With our down-to-earth approach to design needs and attention to the smallest details, HA/A has been successful in maintaining existing partnerships and contracting with new clients. It is our belief that integrity must be maintained for any working relationship to flourish, so we provide responsive, honest answers to questions posed and reliable solutions to concerns expressed by our clients. This approach to business has led to repeat business with many clients in the Mississippi and Alabama community.

Services

HA/A versatile and flexible services consist of the following: consulting, master planning, site analysis and inventory, programming, estimating, schematic design, design development, construction document production, landscaping, specification, bidding and negotiation, contract preparation, construction administration, project close-out and overall coordination with client representatives/consultants at each and every stage. These consultants include civil, structural, mechanical, and electrical engineers and landscape architects.

Design

HA/A is a firm dedicated to the sustainability of the built environment as an integral part of the community. This commitment has furthered past and present client relationships and enabled the formation of Hardy and Associates/ Architect, PLLC.

Documents

In our continued efforts to maintain accurate, technically advanced, high quality construction documents, HA/A seeks the most advanced systems our clients have come to expect. This technology consists of Microstation, V 8, Photoshop, PowerPoint, Spec Link, etc. which allows our team to effectively utilize our clients' investment at all stages of project development.

Philosophy

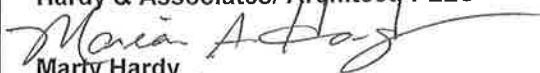
The philosophy at HA/A is to provide innovative, functional designs in response to our clients' needs that carry into construction and project completion through normal construction time frames or Fast Track/Design Build Projects. This commitment to our clients sets us apart from other firms and requires us to practice architecture with the utmost integrity and dedication.

Insurance/Litigation

HA/A has a \$1,000,000 Professional Liability Insurance Policy with Hub International Gulf South Insurance Company and is not involved in any litigation, either past or present.

Respectfully,

Hardy & Associates/ Architect, PLLC



Marty Hardy
Marion A. HARDY, AIA, NCARB, President

Marion A. Hardy, AIA
"Marty Hardy"

CURRENT / COMPLETED PROJECTS

Baptist Health System
New West Tower Expansion – Jackson, MS Campus
237,000 S.F. - \$49 million

(Performed as a Dean & Dean Associates employee/2003-2008/served as project manager/project architect)



Baptist for Women - Lobby



HARDY and Associates/ Architect

Healthcare Education Commercial PLLC



HARDY and Associates/ Architect

Healthcare

Educational

Commercial

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Current / Completed Projects

HCSD Roof Retrofit FEMA / MEMA

Harrison County School District
Replace roofs on all buildings in the Harrison County School District – \$21,000,000

OSH Roof / Wind Retrofit / FEMA / MEMA

Ocean Springs Hospital
Reroofing Ocean Springs Hospital HMGP# 1794-0023 - \$2,500,000

OSH Wind Retrofit Window Replacement / FEMA / MEMA

Ocean Springs Hospital
Replacement of all windows – Complete - \$1,495,000

HCSD Window Retrofit FEMA / MEMA

Harrison County School District
Replace all windows and openings on all campuses of Harrison County School District. – Complete
\$5,230,234

SRH Roof Retrofit FEMA / MEMA

Singing River Hospital
Replace all roofing at Singing River Hospital – \$2,400,000

SRH Window Retrofit / FEMA / MEMA

Singing River Hospital
Replace all windows at Singing River Hospital - \$12,000,000

YGH Spears Wing Roof Replacement

Yalobusha General Hospital and Nursing Home
Replace roof at YGH Spears Wing - \$181,000

YGH ADA Retrofit FEMA / MEMA

Yalobusha General Hospital and Nursing Home
Bathroom and exterior ramp modification and additions. – Complete - \$110,000

Harrison County School District – Renovation and New Construction

- New River Oaks Elementary School - \$10,500,000, Complete.
- D'Iberville High School Stadium Improvements - \$540,000, Complete
- D'Iberville High School Stadium New artificial Turf - \$600,000 Complete
- Harrison Central High School Stadium Improvements - \$820,000, Complete
- Harrison Central High School Stadium New artificial Turf - \$600,000 Complete
- D'Iberville Middle School Cafeteria Renovation/Addition – \$362,000, Complete
- North Woolmarket Elementary Middle School Classroom Addition - \$1,400,000, Complete
- D'Iberville High School Classroom Addition/renovation - \$1,659,000, Complete
- Harrison County School District Wind Retrofit Renovation- \$5,260,000, Complete
- Harrison Central High School baseball Field/Concession Renovation - \$410,000, Complete
- Harrison Central High School Install Ceiling / Lights Renovation - \$78,050, Complete
- D'Iberville Elementary Replace Gym Floor Renovation - \$36,000, Complete
- Harrison Central Elementary Cafeteria Roof Replacement - \$100,000, Complete
- Lizana, Harrison Central High School, Pineville Elementary Sand Blast Paint - \$60,440, Complete
- West Wortham Bleacher Replacement - \$18,400, Complete
- North Gulfport 7 Install Intercom System - \$46,815, Complete



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- Harrison Central High School Fascia - \$73,672, Complete
- Saucier and Woolmarket Elementary Cafeteria Remodel - \$330,097, Complete
- Lyman Elementary Remove Carpet / Retile library - \$14,500, Complete
- West Wortham Portable Classroom Relocation - \$70,400, Complete
- Harrison Central High School Softball field / dugouts - \$70,000, Complete
- Harrison Central Elementary Cafeteria Flooring Replacement - \$21,000, Complete
- West Wortham Classroom Addition - \$ 1,352,000, Complete

Construction time varies for each project- all to date have been completed on time and in budget.

Key consultants – Civil Engineer – Danny Boudreaux, Structural Engineer- Allan Young, Mechanical Engineer- Myron James, Electrical Engineer- Welcon, Interior Designer- Taylor Design Group

Singing River Health System, Ocean Springs and Singing River Hospital

Singing River Hospital

- 2 SE/SW Med Surg./Orthopedic Wing Renovation - \$6,200,000
- 3 SE/SW post Partum Wing Renovation - \$4,000,000
- New Mechanical/ Electrical Central Plant Addition/Renovation - \$11.2 million
- Fast Track Renovation - \$499,999, Complete

Ocean Springs Hospital

- Wound Care Renovation - \$200,000
- Outpatient Entry Renovation - \$85,000
- New Dock and Receiving Addition/ Renovation- \$1.4 million
- Ocean Springs Hospital Window Retrofit renovation - \$1,500,000, Complete
- Inpatient Physician Services Renovation - \$180,000, Complete
- Non-Invasive Cardiology Renovation - \$400,000, Complete
- Dialysis Unit Relocation - \$312,000, Complete
- New Neuroscience Center - \$5,894,000, Complete
- New Mechanical/ Electrical Central Plant - \$5.5 million, Complete
- Angio Suite Renovation - \$750,000, Complete
- Human Resources Renovation - \$500,000, Complete
- Dietary Replacement - \$165,000, Complete
- Pharmacy Robot Room Replacement - \$243,000, Complete
- Hospital Flooring Replacement - \$428,000, Complete
- Surgery Two Room Hybrid OR Renovation - \$875,000, Complete

Construction time varies for each project- all to date have been completed on time and in budget.

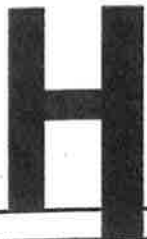
Key consultants – Civil/Structural Engineer – Spencer Engineers, Mechanical Engineer- Sanders Engineering, Electrical Engineer- Hays Cheatwood Cornelius, Interior Designer- Taylor Design Group

Yalobusha General Hospital

Water Valley, MS

- Facility Evaluation and Master Plan – On going
- Central Nursing Station Renovation \$450,000,
- Patient Wing Renovation - \$1,000,000
- Pharmacy Renovation - \$180,000
- Oakland Family Clinic

Marion A. Hardy, AIA
"Marty Hardy"



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The project was constructed with a wood frame, concrete floors, precast/brick/EIFS/glass exterior skin.

Construction time was 12 months at a cost of \$1.7 million and completed on time, there were 2 change orders adding scope to the project.

Key Consultants: Civil/Structural-Hill Lewis Engineering, Mechanical and Electrical- Corbett Legge and Associates

Respectfully,

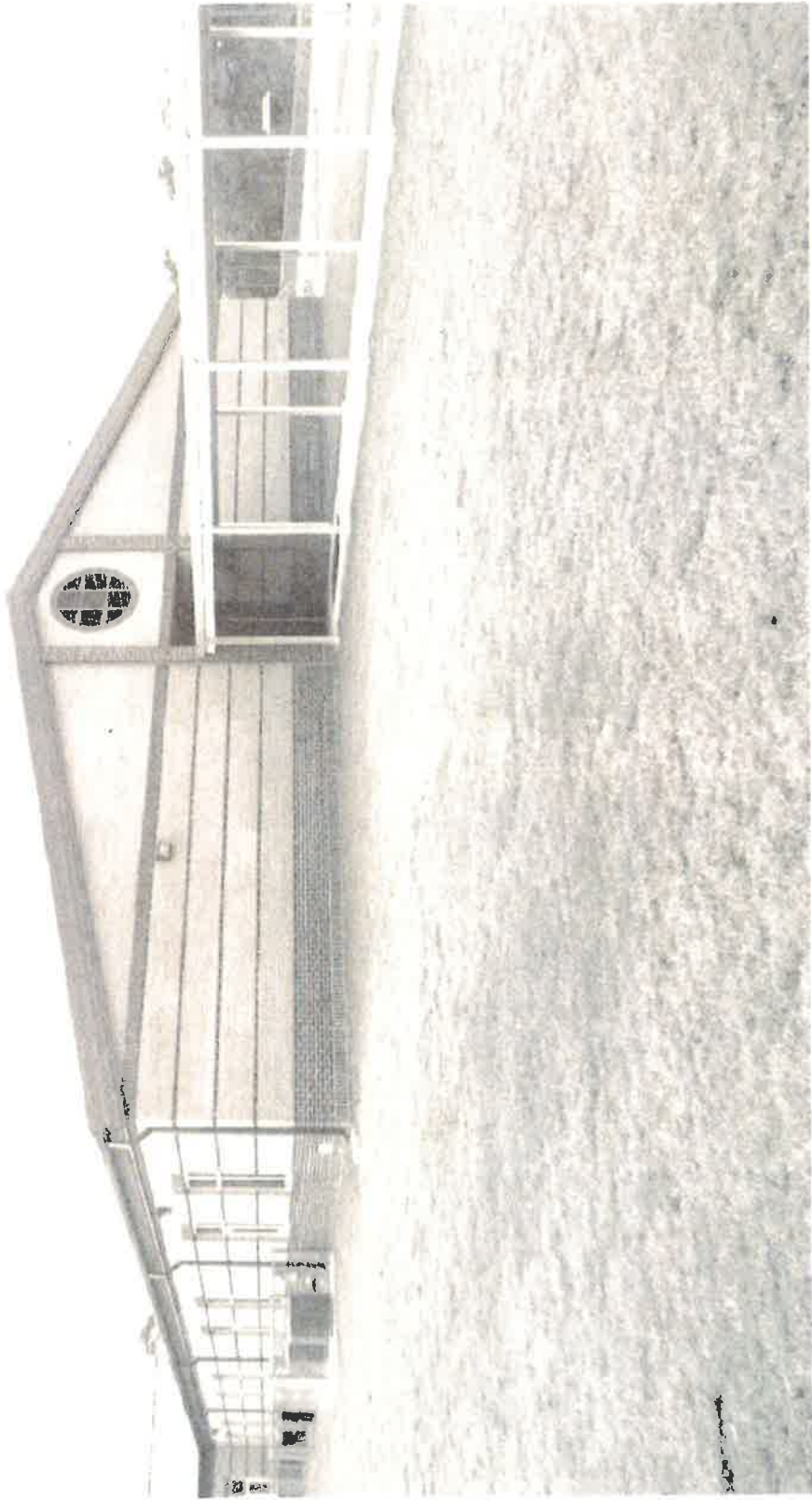
Hardy and Associates/ Architect, PLLC

Marty Hardy

Marion "Marty" A. Hardy, AIA, NCARB
President

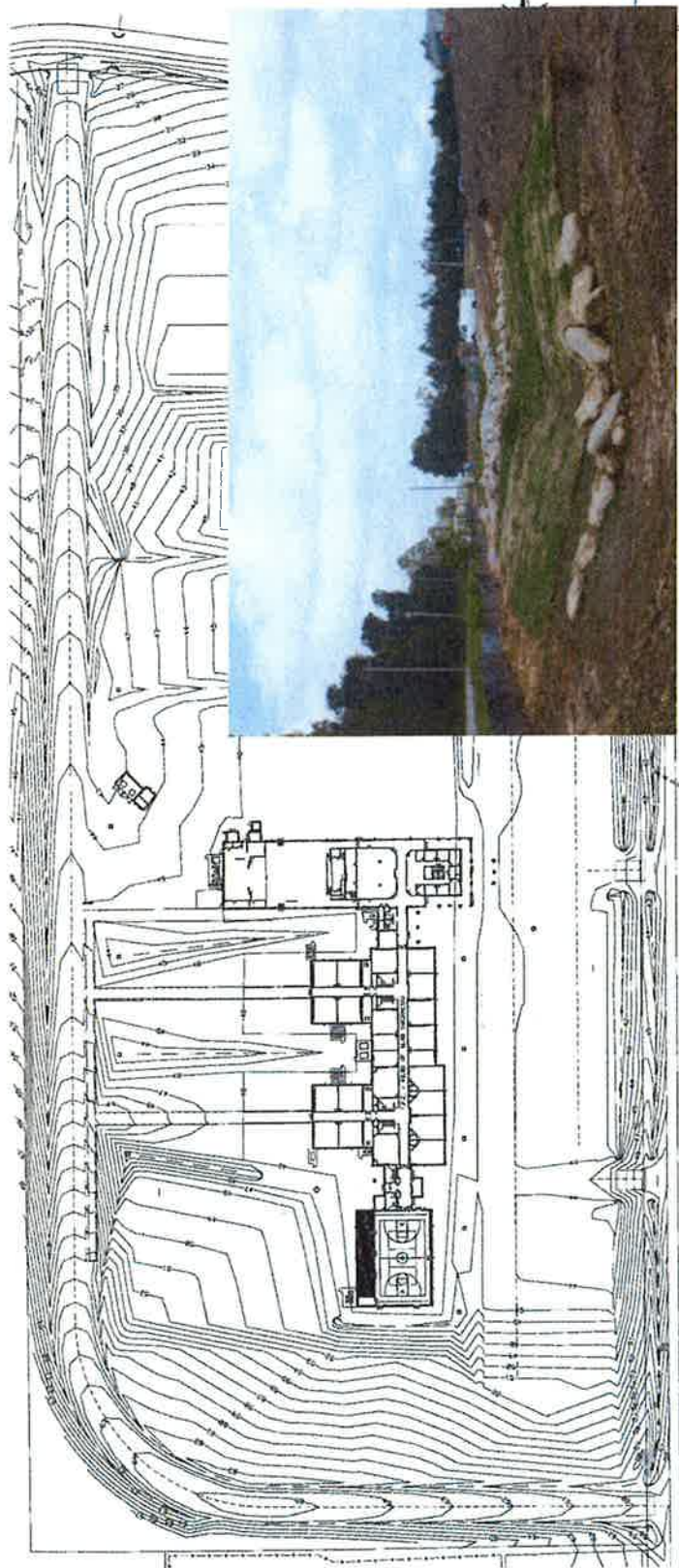
Education Projects

K-12



H

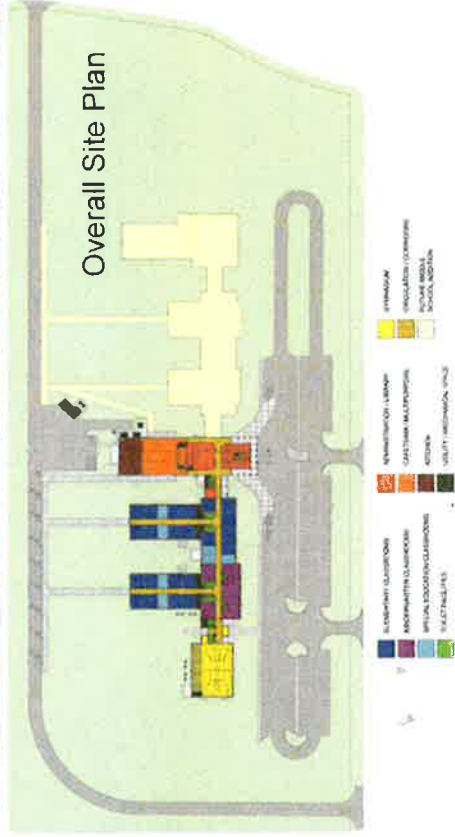
HARDY and Associates/Architect
Member Educational Commercial PLLC



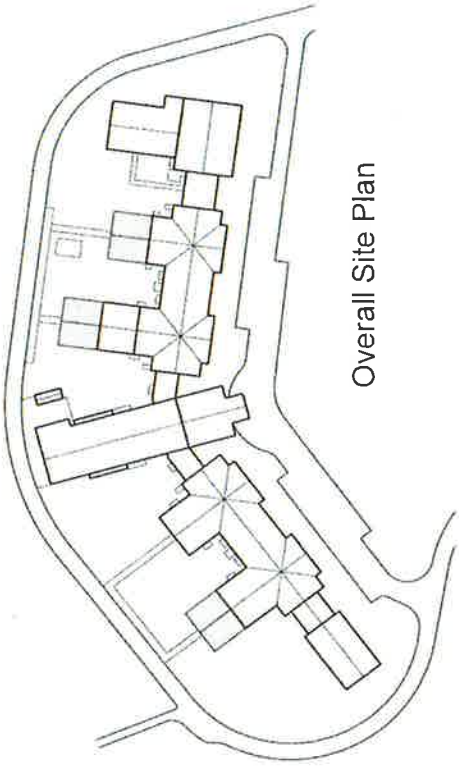
Overall Site Plan



HCSD River Oaks Elementary – Site Package
 ~25 acres - \$667,002 – Completed 2013



Harrison County School District
 River Oaks Elementary School
 New 75,346 S.F. K-6 School
 Cost: \$11,196,192



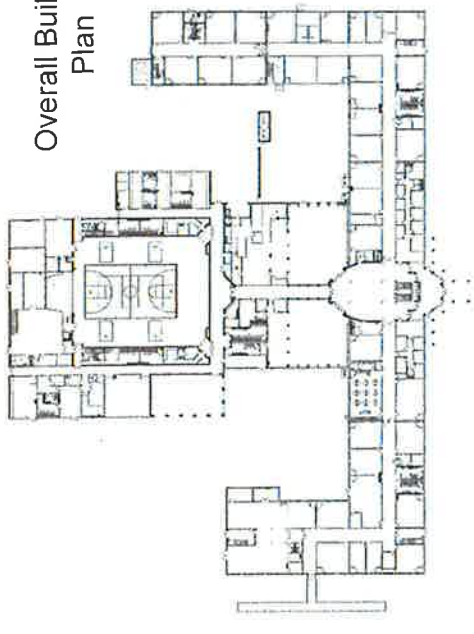
Overall Site Plan



Harrison County School District
North Woolmarket – 12 Classroom Addition
New 15,916 S.F. K-6 School
Cost: \$1,163,000

H HARDY and Associates/ Architect
Architects/Engineers/Planners/Interior Designers/Construction Managers/LLC

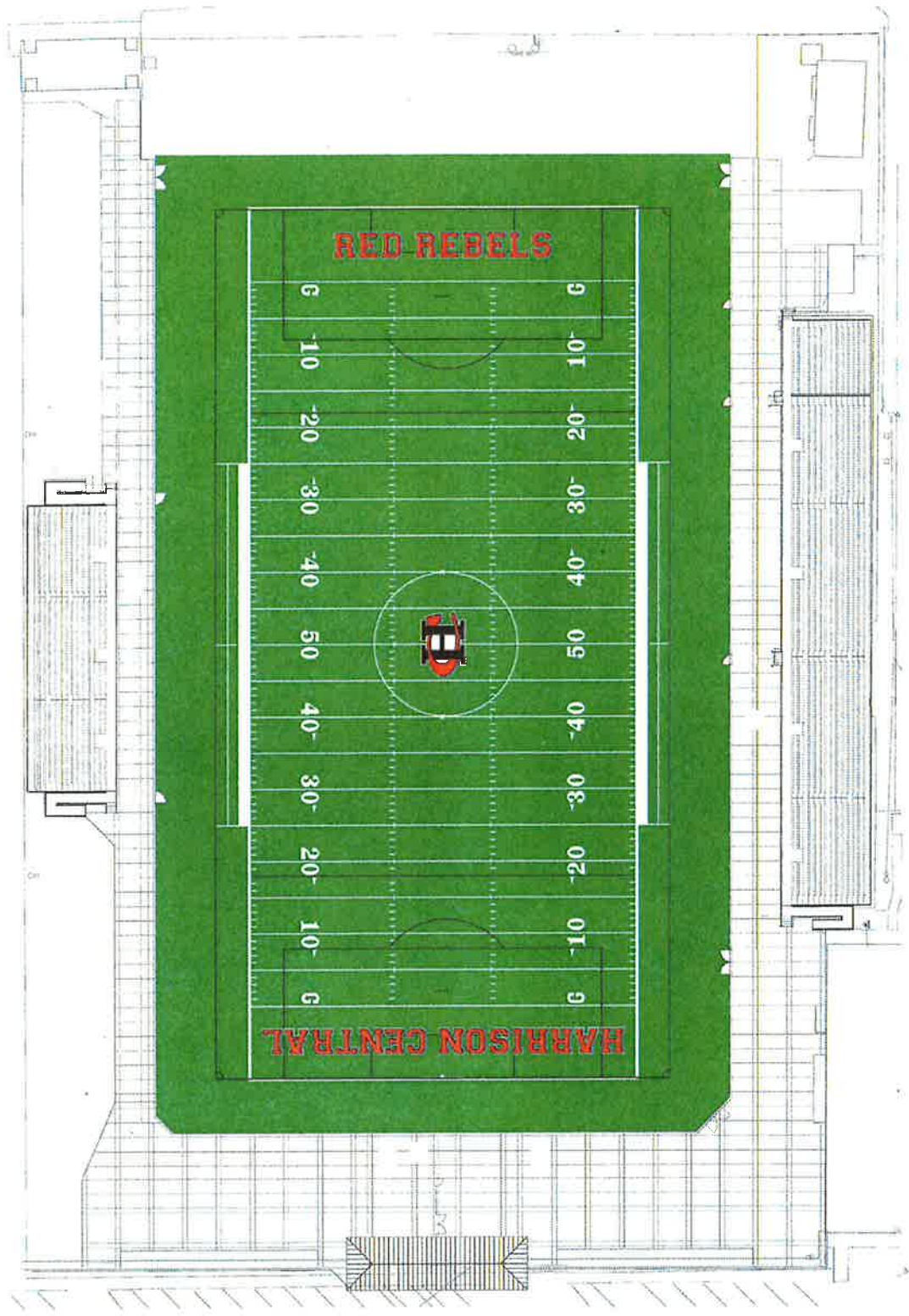
Overall Building Plan



Harrison County School District
D'berville High School - 12 Classroom Addition
New 14,980 S.F.
Cost: \$1,659,000

H HARDY and Associates/ Architect
Hardyville, VA 22643
Commercial, Residential, PLLC

Harrison County School District



Harrison Central High School Stadium Renovation

Harrison Central High School

Football Field Improvements



New Tile Floor in Field House Renovation



New walks and field fencing



New Ticket Booth, flagpole, and fencing

H

HARDY and Associates/ Architect
Multi-use Educational Commercial PLLC

New Artificial Turf System

HCCHS Football Field



HCCHS – Football Field



HCCHS – from Visitor's side



Harrison County School District



D'Iberville High School Stadium Renovation

D'Iberville High School Stadium Improvements



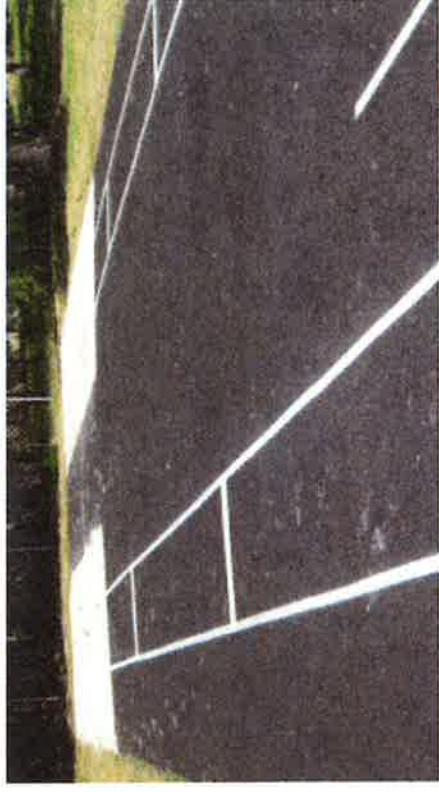
Viewing box – ADA seating area



Overall view of stands and track



Track marking



Long jump pits

New Artificial Turf System

DHS Football Field



D'Iberville – Football Field



D'Iberville – Center Field Logo



Harrison County Schools Wind Retrofit



Screen operation



Pineville Elementary



Woolmarket Elementary



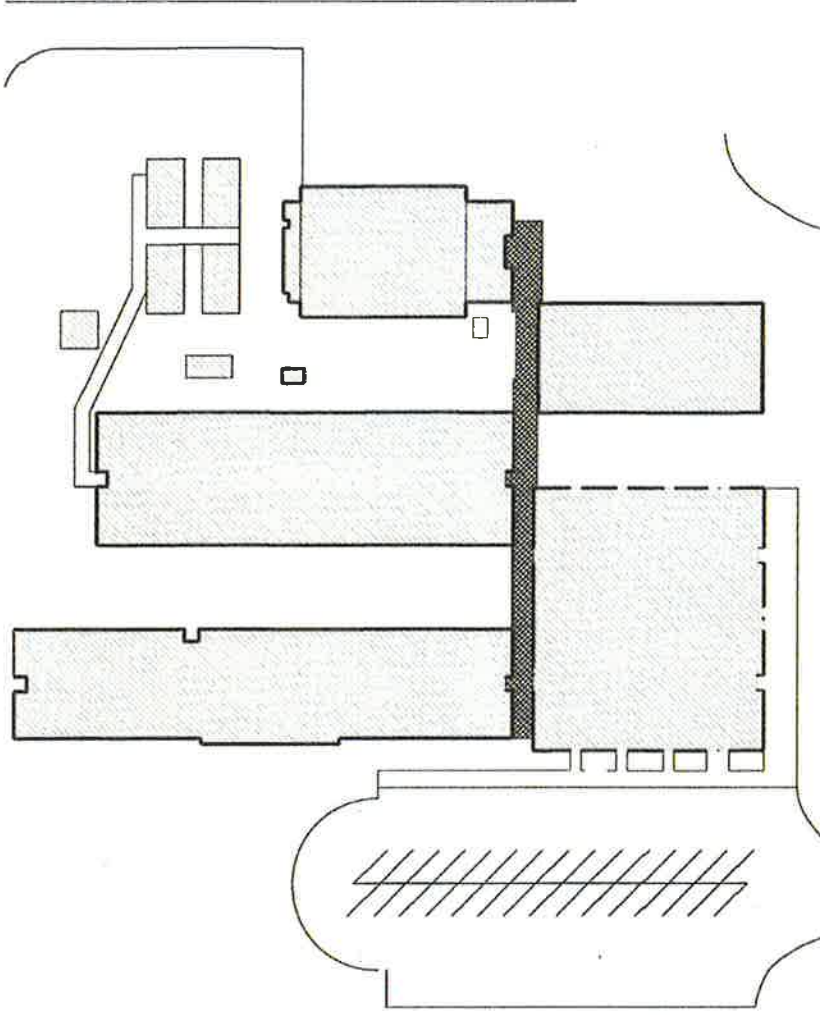
North Woolmarket Elementary & Middle



HARDY and Associates/ Architect
Healthcare Educational Commercial PLLC

D'Iberville Elementary School

Exterior Door Replacement



Overall Project Plan

D'Iberville Elementary School

Exterior Door Replacement



Contractor Work Area



CMU Door Jamb



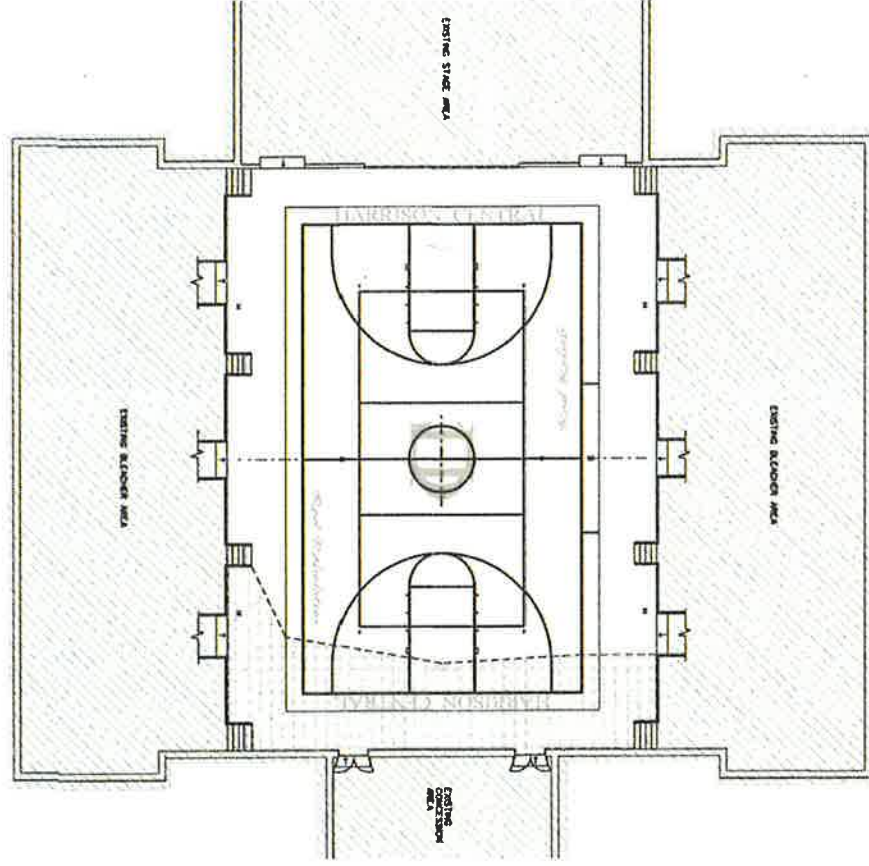
Concrete Masonry Work - Before



Concrete Masonry Work - After

Harrison Central High School

Gym Floor Repairs



Overall Project Plan

Harrison Central High School

Gym Floor Repairs



Gym Floor – Overall



Gym Floor – Perimeter



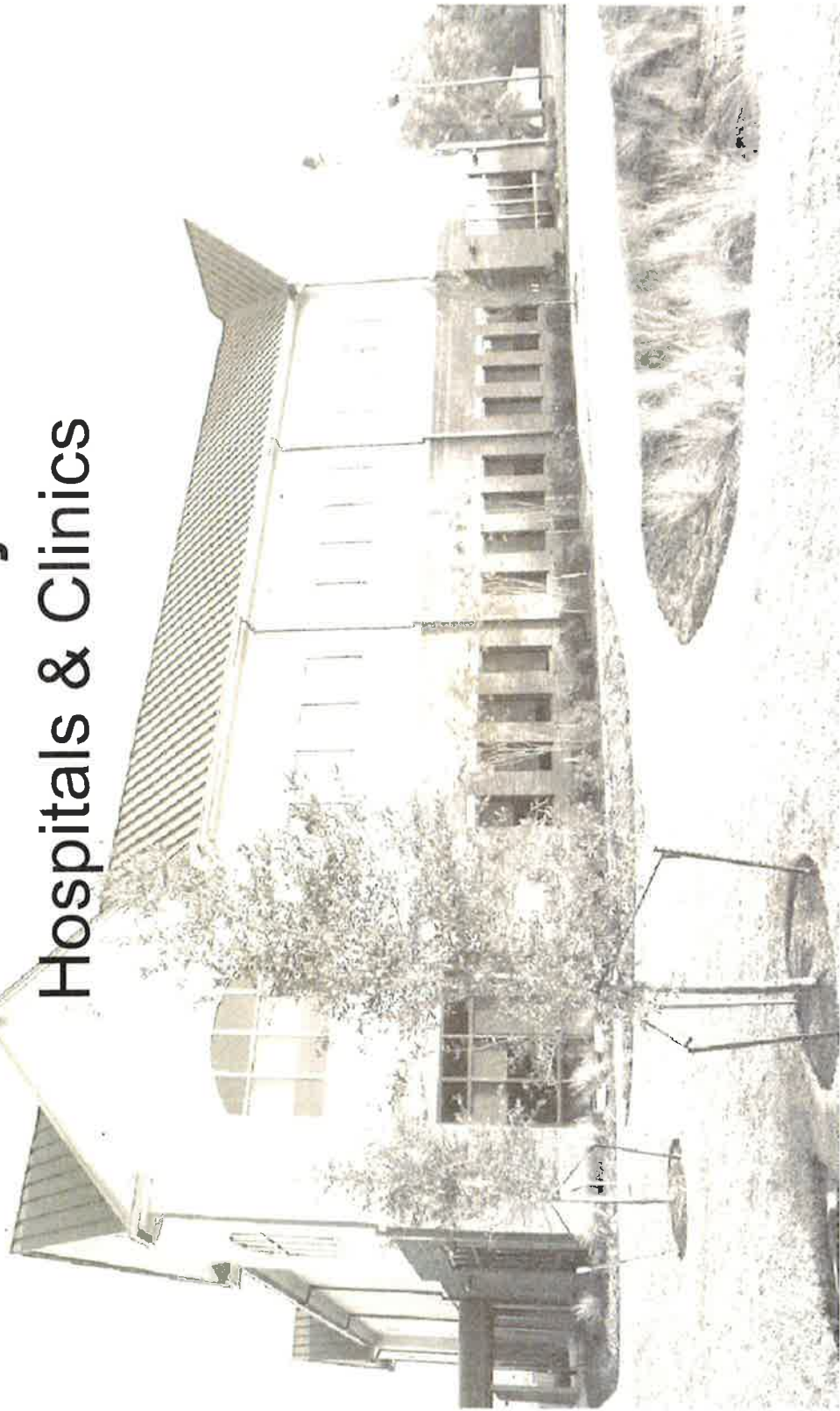
Gym Floor – Paint / Striping



Gym Floor – Detail Trim

Medical Projects

Hospitals & Clinics



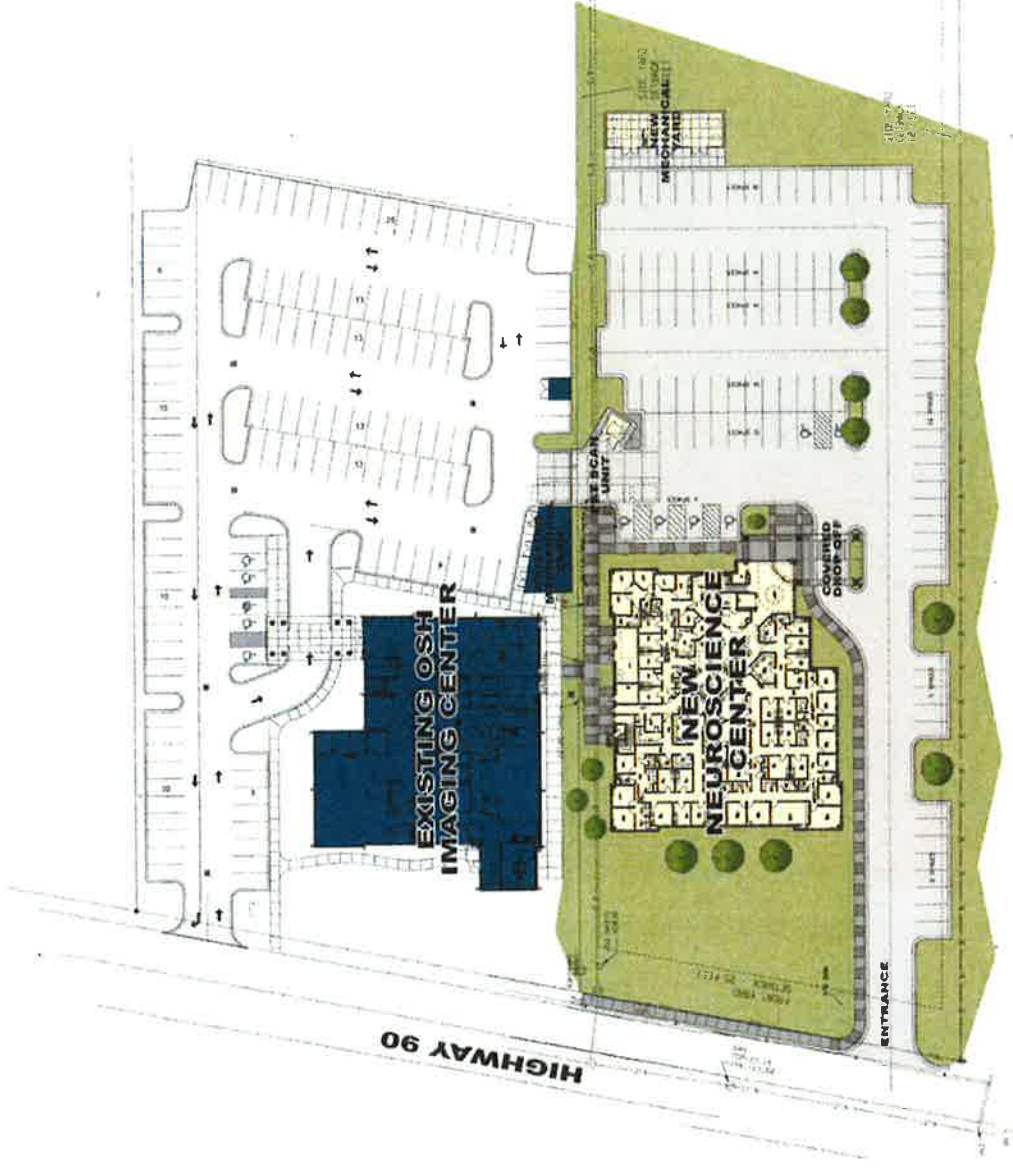
HARDY and Associates/ Architect
Government | Educational | Commercial | PLLC



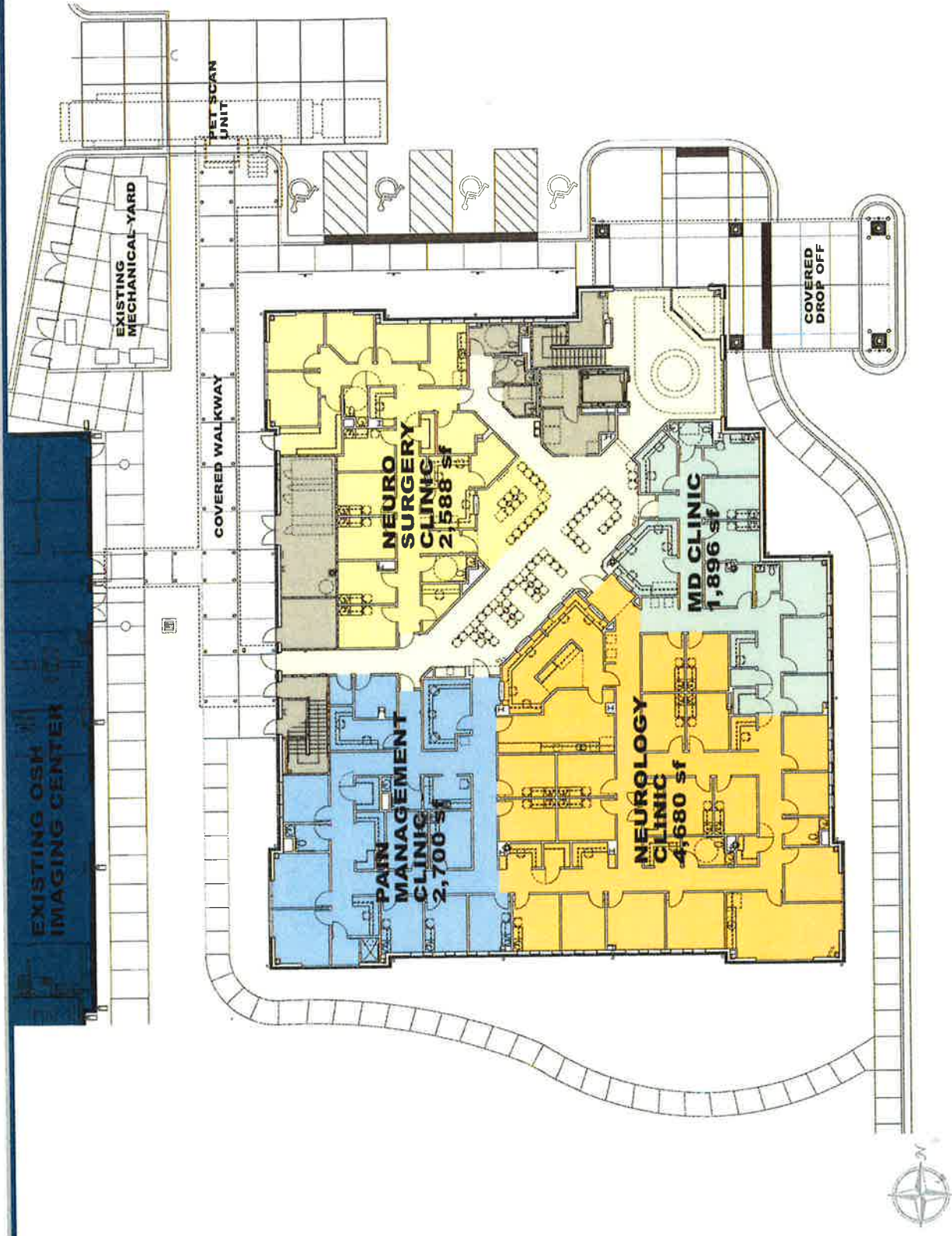
Ocean Springs Hospital
The Neuroscience Center
30,215 S.F. Two Story Medical Office Building
Cost: \$5,878,300 (Completed)

H HARDY and Associates/ Architect
Healthcare Educational Commercial PLLC

OVERALL SITE PLAN

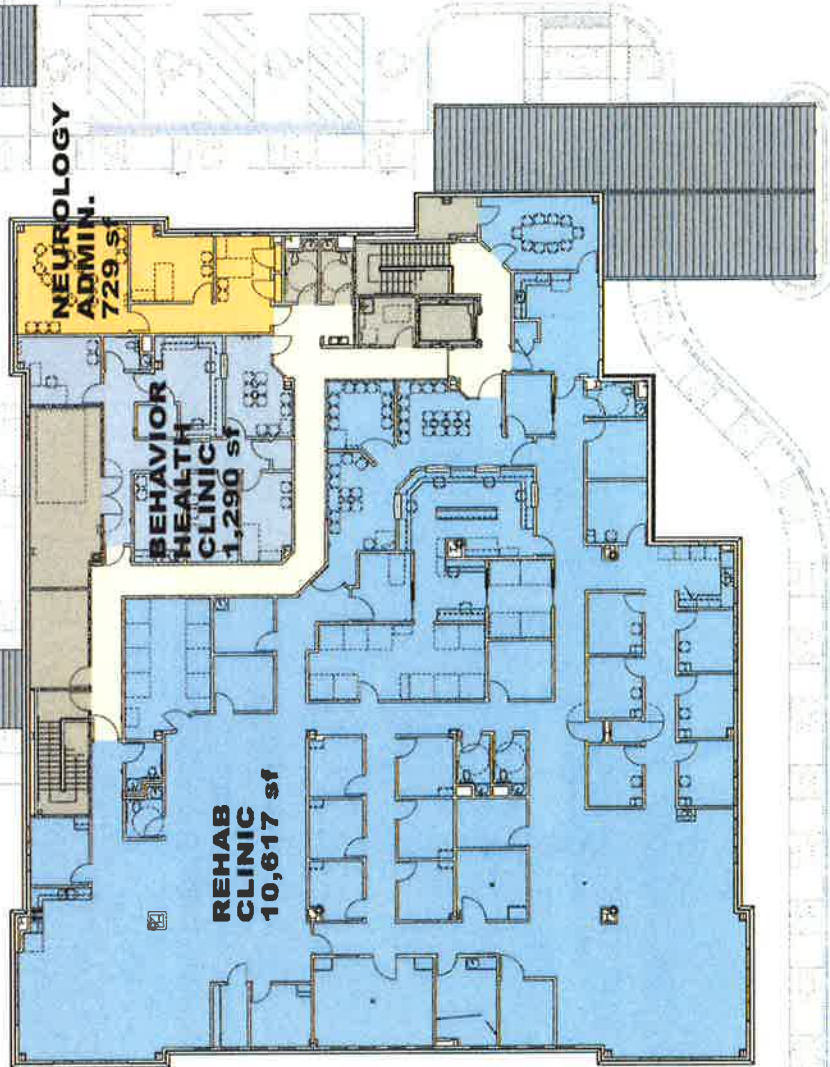


FIRST FLOOR PLAN



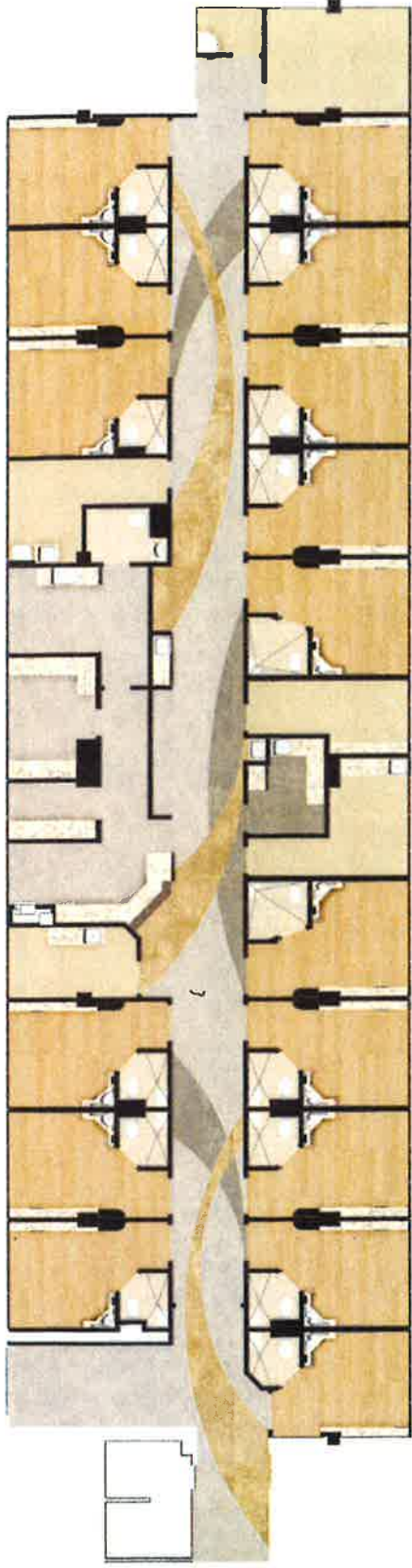
SECOND FLOOR PLAN

EXISTING OSH IMAGING CENTER



SINGING RIVER HEALTH SYSTEM
OCEAN SPRINGS HOSPITAL | SINGING RIVER HOSPITAL
The Neuroscience Center

H HARDY and Associates/ Architect PLLC



Floor Plan



Singing River Hospital
1, 2, & 3 Southeast Patient Wing Renovation
19,343 S.F.
Cost: \$6,346,433 (40% Completed with Construction)

H

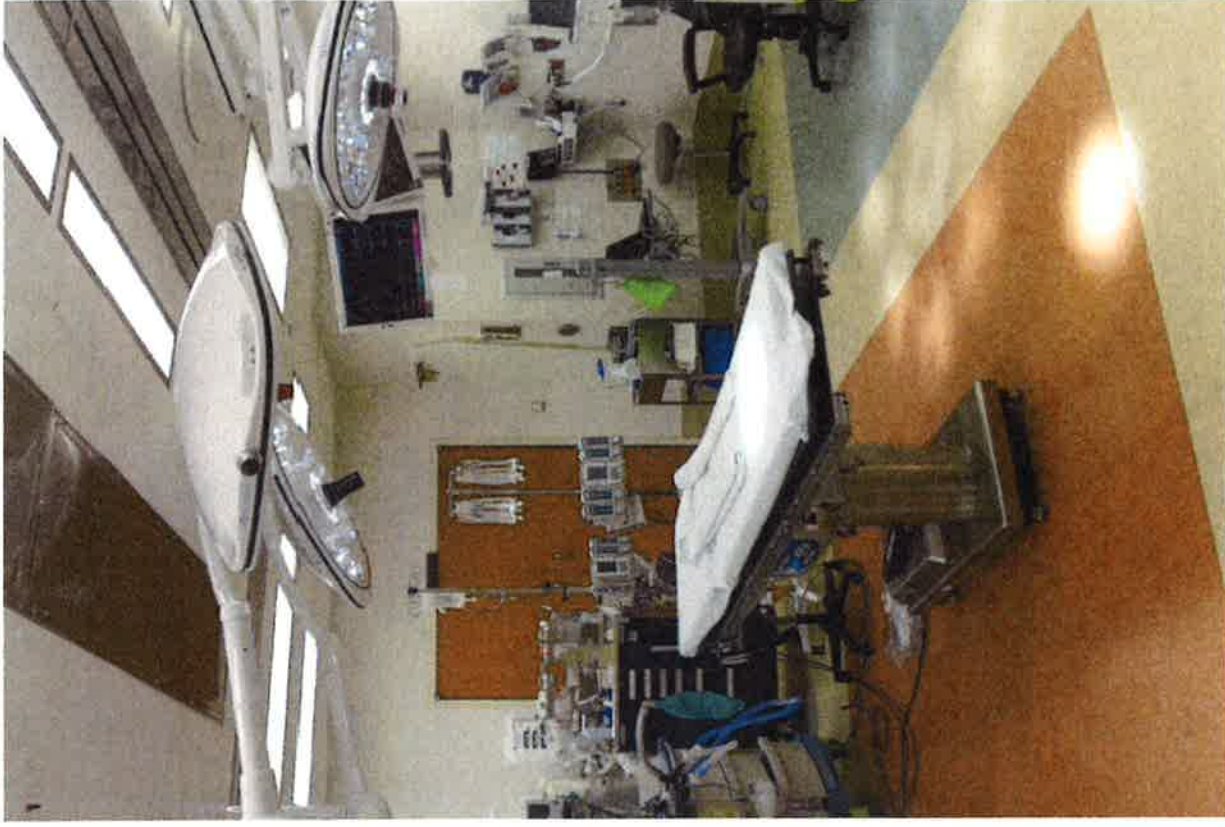
HARDY and Associates/ Architect
Healthcare Educational Commercial PLIC



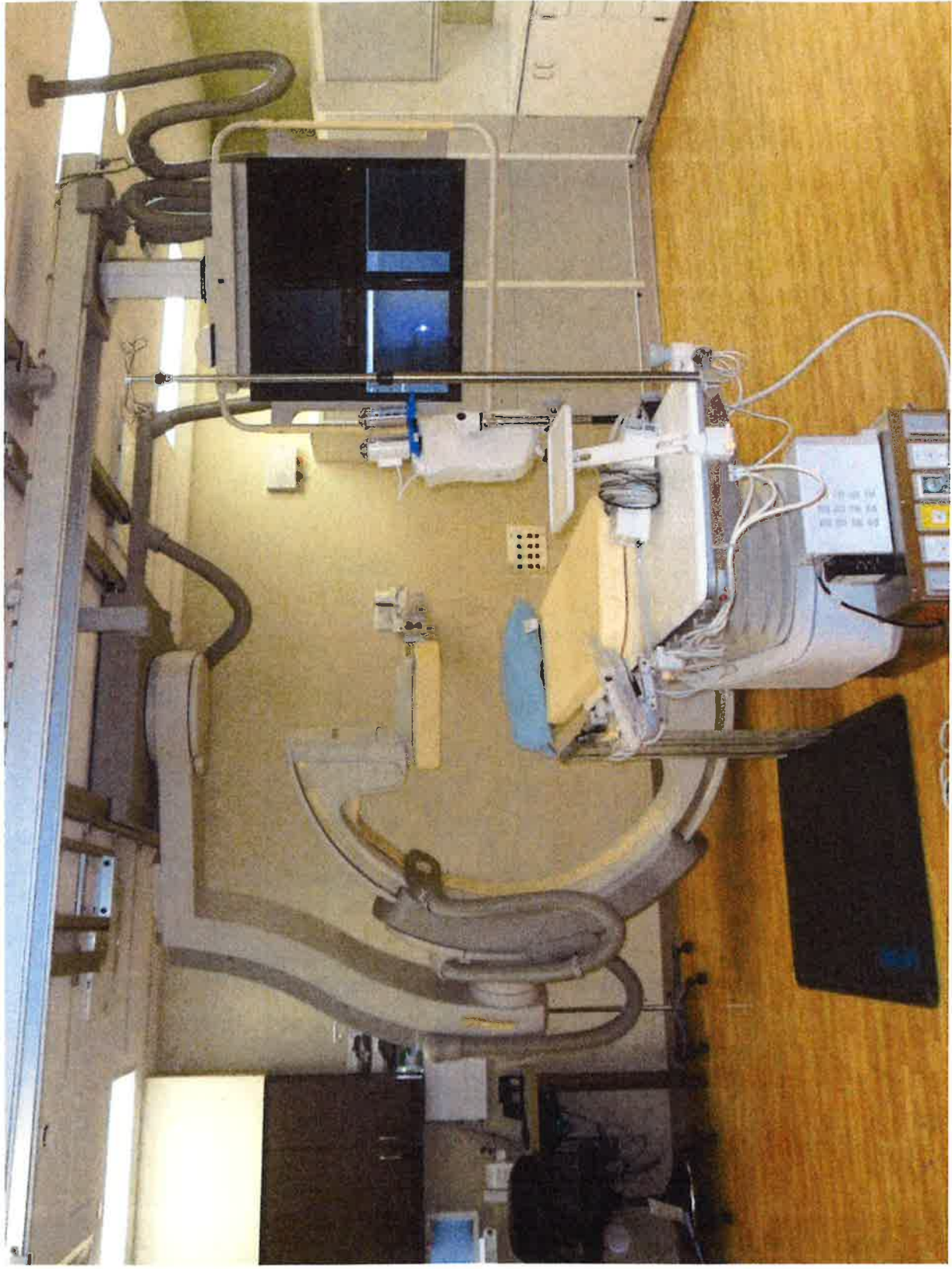
Patient Wing Renovation



Patient Wing Renovation



Ocean Springs Hospital
Surgery Two-Room Hybrid Heart Operating Room Renovation
2,915 S.F.
Cost: \$850,000 (Completed)



Ocean Springs Hospital
Angiography Suite Renovation
1,300 S.F.
Cost: \$280,000 (Completed)

H

HARDY and Associates/ Architect
Hospitals Esthetic Commercial PLLC



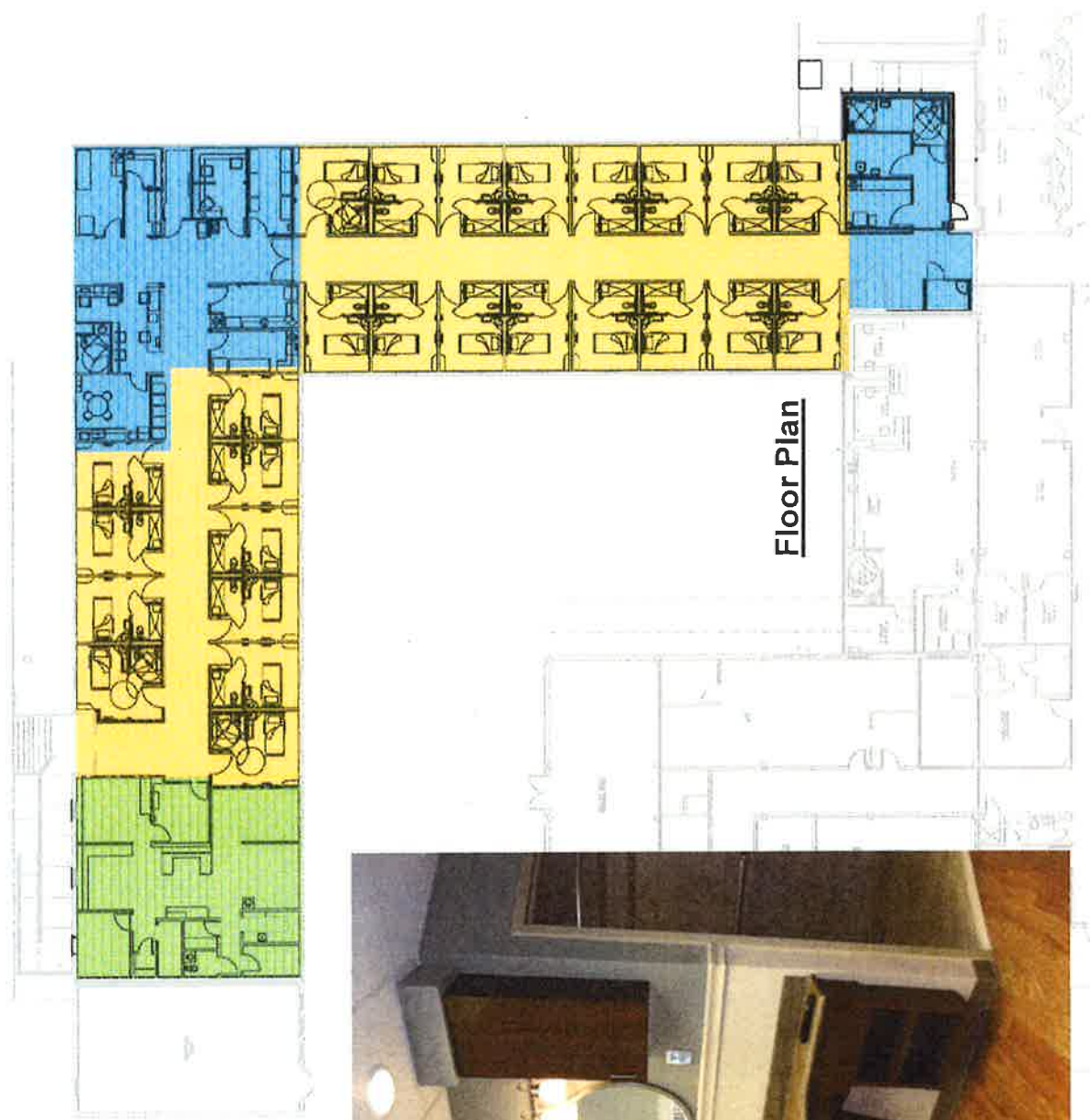
Singing River Health System – Ocean Springs Hospital
Bronze anodized storefront with smoke glass.



Yalobusha General Hospital and Nursing Home
Medical Office Building
11,000 S.F.
Cost: \$1,831,352 (Completed)

H

HARDY and Associates/ Architect
Hospital Educational Commercial PLLC



Yalobusha General Hospital & Nursing Home
 Patient Wing and Nursing Station Addition & Renovation
 9,063 S.F.
 Cost: \$1,461,600 (50% Completed with Construction)

H

HARDY and Associates/ Architect
 Healthcare Educational Commercial PLLC

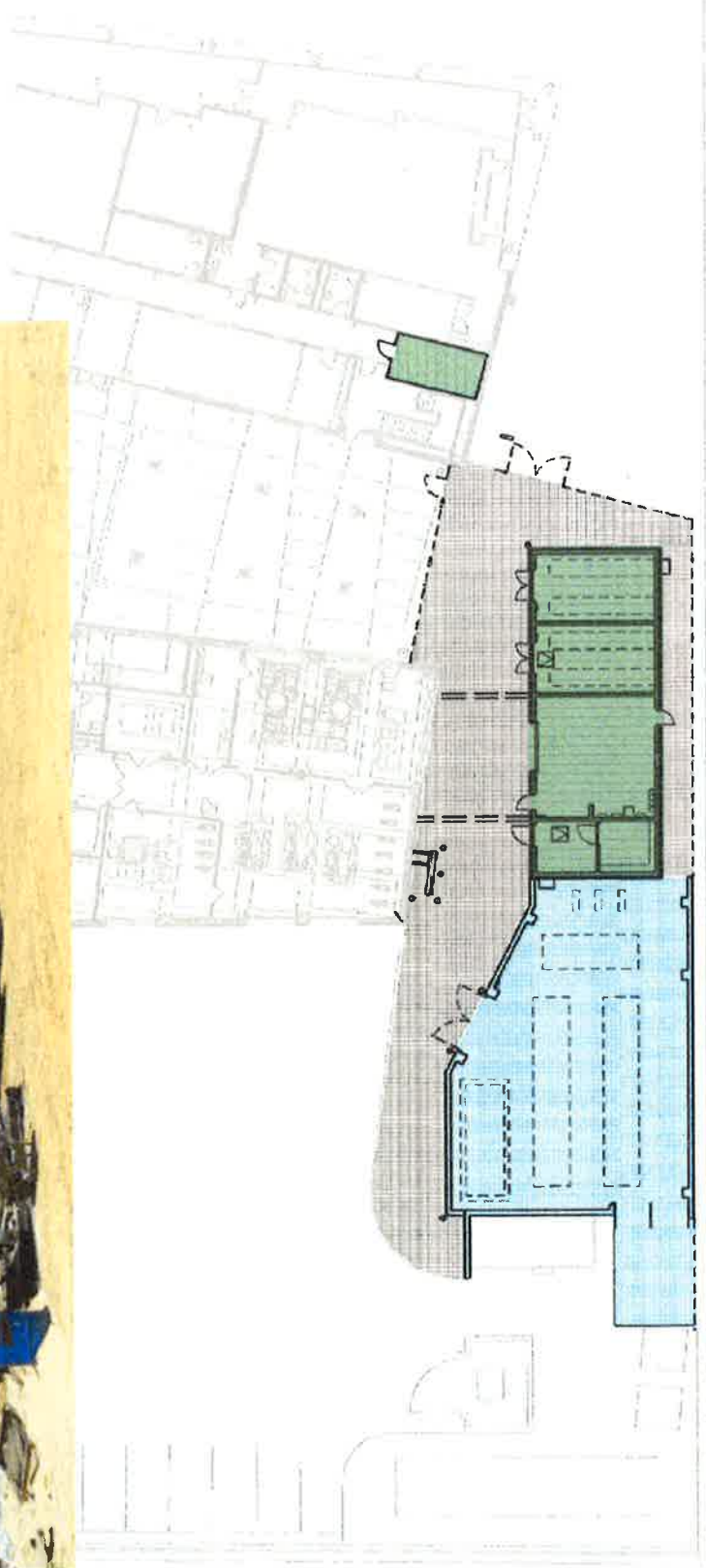


Yalobusha General Hospital
New Covered Drop-off Canopy



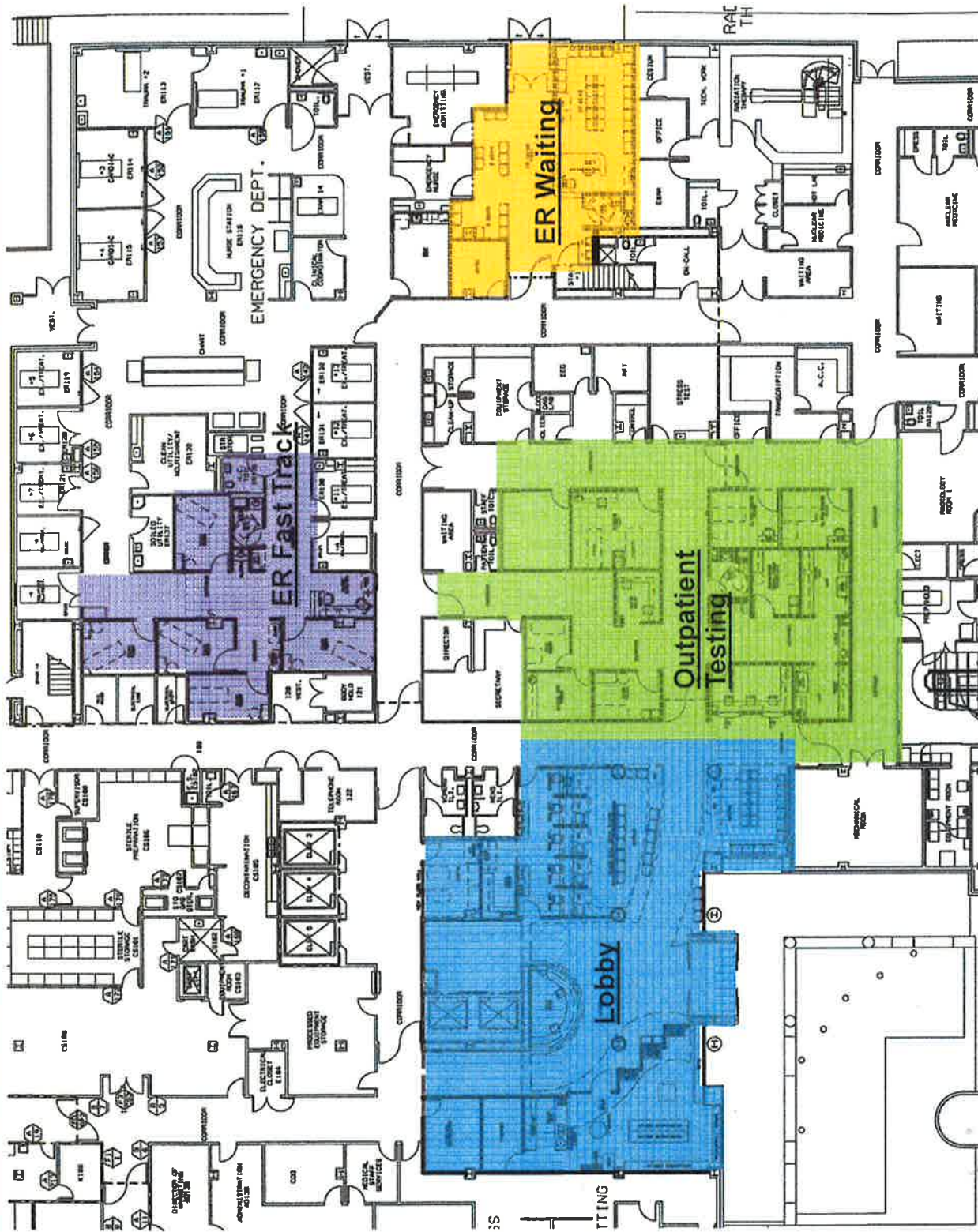
Mobile Infirmary
Gift Shop Renovation
1,700 S.F.
Cost: \$240,000 (Completed)

H HARDY and Associates/ Architect
Healthcare Education Commercial PLLC



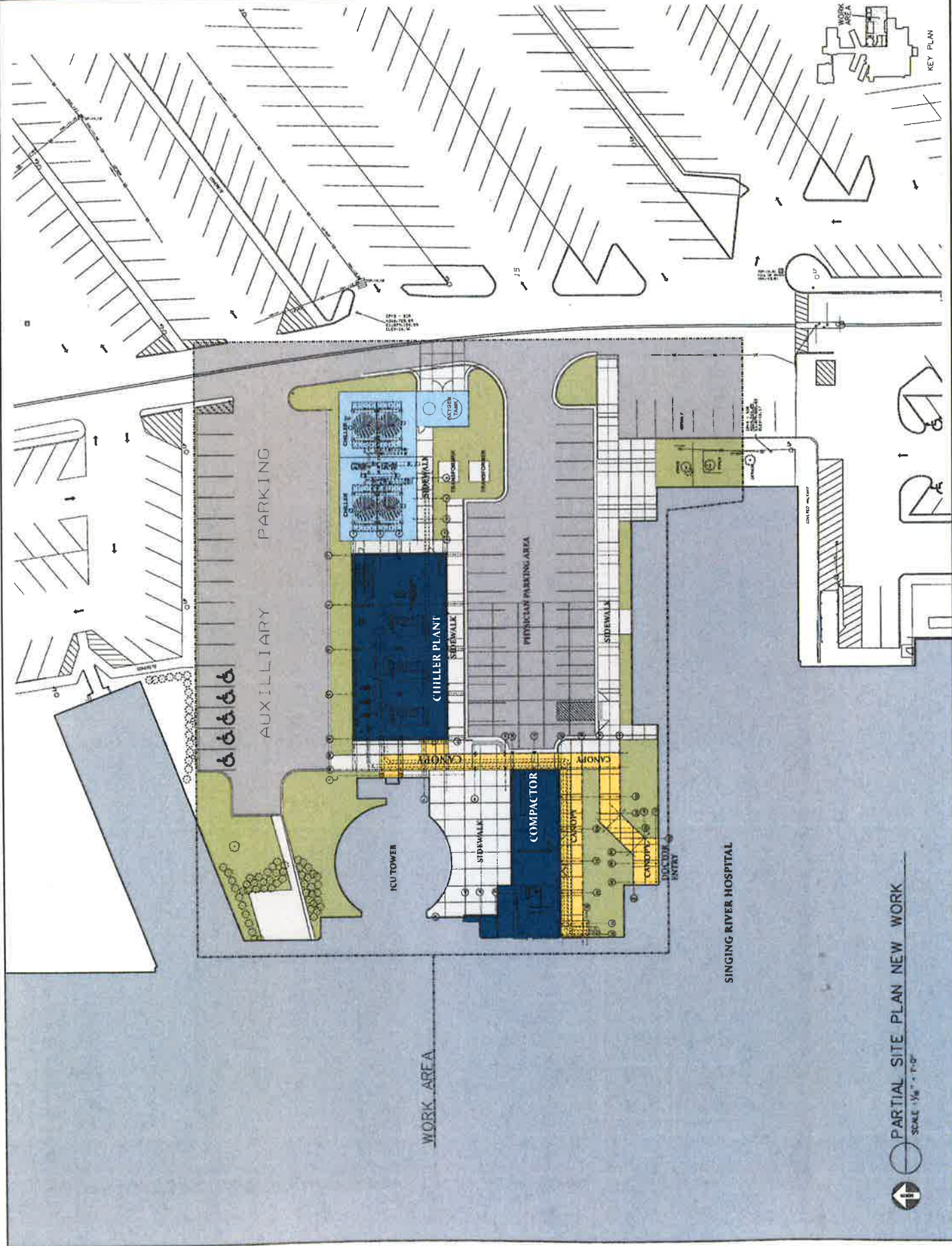
Overall Site Plan

Mississippi Department of Information Technology Services
Data Center Improvements (M/E System Renovation)
4,705 S.F.
Cost: \$2,300,000 (85% Complete with Construction)



Floor Plan

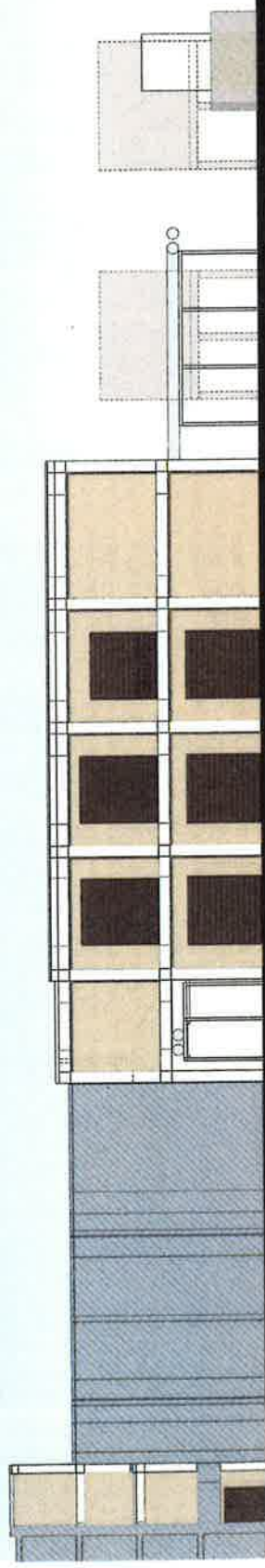
Biloxi Regional Medical Center
 Lobby, Outpatient Testing, ER Waiting & ER/Fast Track Renovation
 9,842 S.F.
 Cost: \$1,350,000 (Complete through Bidding)



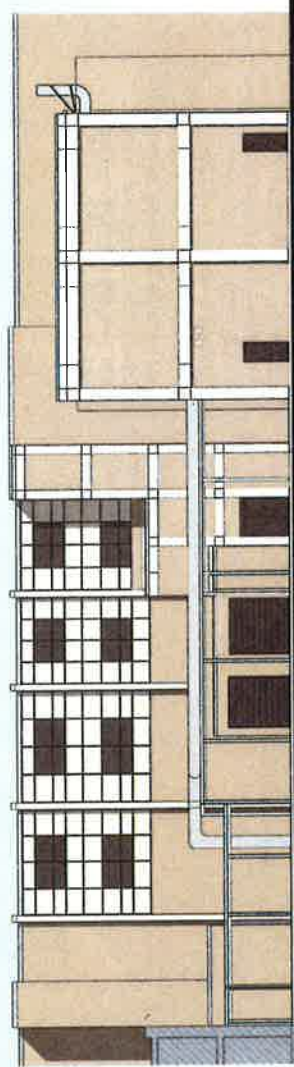
↑ PARTIAL SITE PLAN NEW WORK
 SCALE 1/8" = 1'-0"

SINGING RIVER HOSPITAL

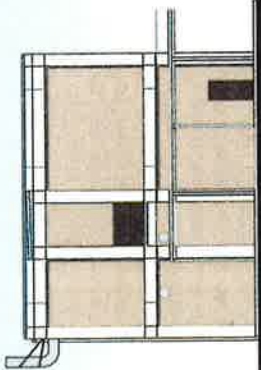
WORK AREA



SOUTH ELEVATION
SCALE 1/8" = 1'-0"



EAST ELEVATION
SCALE 1/8" = 1'-0"



WEST ELEVATION
SCALE 1/8" = 1'-0"



Baptist Medical Center – West Tower Expansion
Cardiovascular Center Drop-Off Canopy and Entry Lobby
237,000 S.F. - \$49 million, Completed 2008
Performed as Dean & Dean Associates – Project Manager / Project Architect

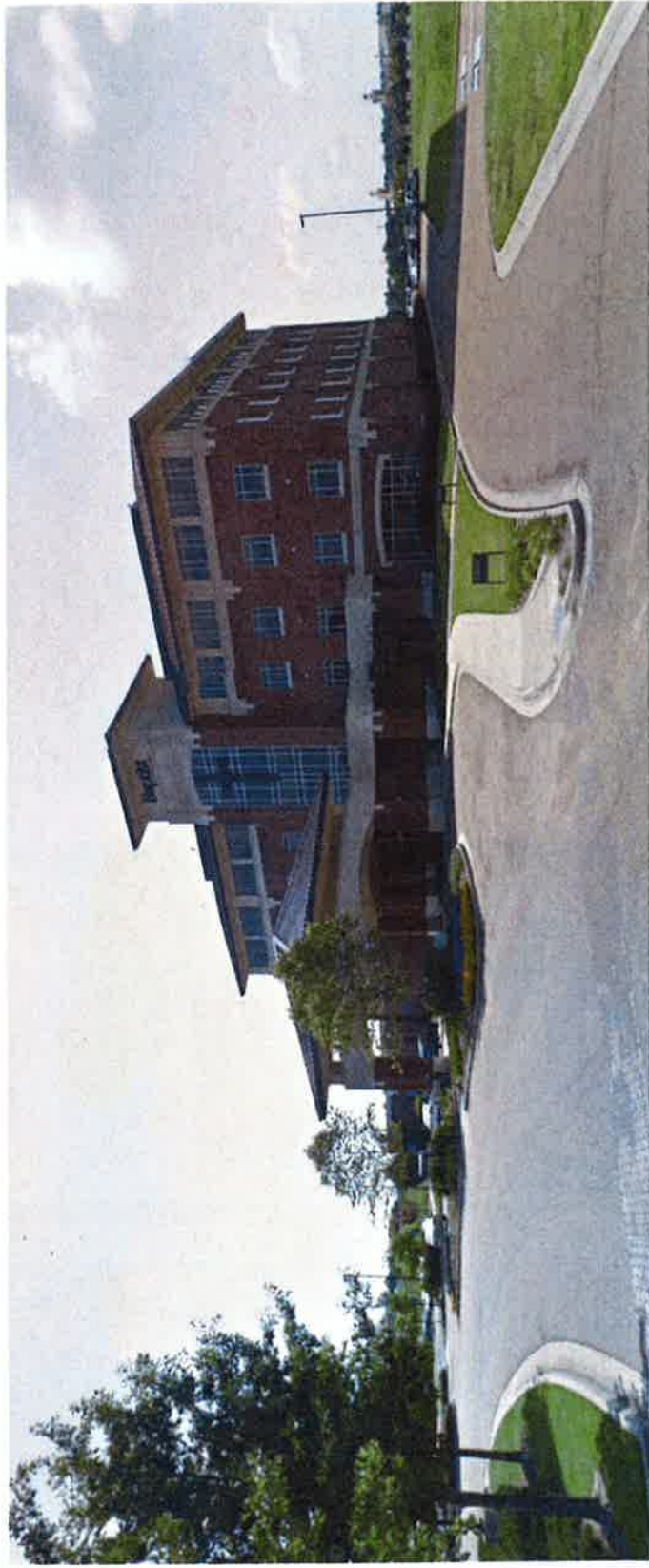
H HARDY and Associates/ Architect
Hospitality: Educational Commercial PLLC



Baptist Medical Center – West Tower Expansion
Cardiovascular Center Drop-Off Canopy and Entry Lobby
237,000 S.F. - \$49 million. Completed 2008
Performed as Dean & Dean Associates – Project Manager / Project Architect



HARDY and Associates/Architect
Hospitality Educational Commercial P.L.L.C.



Baptist Health System – Madison Medical Center
Medical Office Building
88,000 S.F. - \$10 million, Completed 2008
Performed as Dean & Dean Associates – Project Manager / Project Architect



Riverchase Medical Suites
Medical Office Building
74,000 S.F. - \$9 million, Completed 2003
Performed as Dean & Dean Associates - Project Manager / Project Architect

Our Staff:



Marty Hardy, AIA NCARB

- President, Lead Architect
- 22 years experience
- MSU Alumni



Rick House

- Project Manager
- 20 years experience
- Drury University Alumni



Carla Thornton

- Business Manager
- 21 years experience
- MSU Alumni



Jeremy Nesbit

- Architect Intern
- 1 years experience
- LSU Alumni



John Freeman

- Project Manager
- 28 years experience
- USM Alumni



Gina Hardy, NCIDQ

- Interior Designer
- 6 years experience
- USM Alumni



Marty A. Hardy, AIA, NCARB

President/Principal Architect

Hardy and Associates/ Architect, PLLC

PROFESSIONAL:

2008 to present: President and Principal, Hardy and Associates/ Architect, PLLC

1995 to 2008: Intern Architect, Project Manager, Project Architect,

Dean and Dean/ Associates Architects, PA

1993 to 1995: Summer Intern Architect, Hopkins and Associates Architect

RESPONSIBILITIES / EXPERIENCE:

Responsibilities include all aspects of developing and maintaining relationships with Institution Boards/Administrations, Owners, Facility Engineers, Engineers, Architects, Contractors, Sub-Contractors and Vendors. Provide code reviews, Life Safety/Joint Commission Inspections, site development, programming, schematic design, design development, estimating, construction documents, specifications, bidding, construction administration and close out procedures. Review and approve shop drawings, submittals, and inspect construction projects in various stages of completion.

KEY PROJECT EXPERIENCE:

Schools:

Harrison County School District

Pass Christian School District

Hospitals:

Singing River Hospital / Ocean Springs Hospital

Merit Health Biloxi

Merit Health Central Mississippi

Merit Health River Oaks

Merit Health Women's

Rush Health System

Tallahatchie General Hospital

Yalobusha General Hospital

George Regional Hospital

Sharkey-Issaquena Community Hospital

Overton Brooks VA Medical Center

Restaurants, commercial, clinics, and residential

EDUCATION:

Bachelor of Architecture, Mississippi State University, 1995

Certified as an Asbestos Management Planner, Asbestos Inspector

PROFESSIONAL MEMBERSHIPS:

Registered Professional Architect in the State of Mississippi

Registered Professional Architect in the State of Alabama

Registered Professional Architect in the State of Louisiana

Registered Professional Architect in the State of Florida

Registered Professional Architect in the State of Tennessee

Member American Institute of Architects - AIA

Member National Council of Architectural Registration Boards - NCARB

Member - D'Iberville Business Club

Marty A. Hardy, AIA, NCARB

President / Principal Architect
Hardy & Associates & Architect, PLLC



Project Experience:

FEMA /MEMA Projects

HCSD Roof Retrofit FEMA / MEMA

Harrison County School District

Replace roofs on all buildings in the Harrison County School District – \$21,000,000

OSH Roof / Wind Retrofit FEMA / MEMA

Ocean Springs Hospital

Reroofing Ocean Springs Hospital HMGP# 1794-0023 - \$2,500,000

OSH Wind Retrofit Window Replacement FEMA / MEMA

Ocean Springs Hospital

Replacement of all windows – \$1,495,000

HCSD Window Retrofit FEMA / MEMA

Harrison County School District

Replace all windows and openings on all campuses of Harrison County School District. – \$5,230,234

SRH Roof Retrofit FEMA / MEMA

Singing River Hospital

Replace all roofing at Singing River Hospital – \$2,400,000

SRH Window Retrofit FEMA / MEMA

Singing River Hospital

Replace all windows at Singing River Hospital - \$12,000,000

YGH Spears Wing Roof Replacement FEMA / MEMA

Yalobusha General Hospital and Nursing Home

Replace roof at YGH Spears Wing - \$181,000

YGH ADA Retrofit FEMA / MEMA

Yalobusha General Hospital and Nursing Home

Bathroom and exterior ramp modification and additions. – \$110,000

Education:

Pass Christian High School New Secure Entry

Pass Christian School District \$80,000

Pass Christian K-8 Gym

Pass Christian School District \$3,024,800

Pass Christian New Alternative School

Pass Christian School District \$1,332,347

Pass Christian Band Hall Addition

Pass Christian School District \$1,338,500

Pass Christian Football Parking Lot / Ticket Booth

Pass Christian School District \$2,001,070

Pass Christian Baseball / Softball Parking Lot

Pass Christian School District \$454,453

New River Oaks Elementary School

Harrison County School District \$11,066,000

D'Iberville High School Stadium Improvements

Harrison County School District

New track surface, lighting, and handrails. \$540,000

Harrison Central High School

Harrison County School District

New ticket booth, bathroom renovation, and lighting. \$820,000

D'Iberville High School Stadium New Artificial Turf

Harrison County School District

New artificial turf for the football stadium. \$600,000

Harrison Central High School

Harrison County School District

New artificial turf for the football stadium. \$600,000

West Wortham Classroom Addition / Renovation

Harrison County School District

16 Classroom Addition, 15,557 sf. - \$1,352,000.

H.C. High School – Baseball Field Terrace / Press Box & Concession Stand /Renovation

Harrison County School District

Replacement of the baseball field terrace, press-box and concession stand,
6,069 sf. - \$406,000

Lizana, Pineville, and Harrison Central Water Tanks

Harrison County School District

Sand blast and paint 3 existing tanks. One Change Order, Credit of \$2,000. \$60,440

West Wortham Bleacher Replacement

Harrison County School District

Replace existing bleachers \$18,400.

Woolmarket Elementary Termite Repairs

Harrison County School District \$30,000

North Gulfport 7 Install Intercom System Renovation

Harrison County School District

Install new intercom system in 7th grade. One Change Order - \$2,800 for added phone. \$46,815

Harrison Central High School – Fascia

Harrison County School District

Cover existing metal fascia with new aluminum fascia panel. \$73,672

Saucier and Woolmarket Elementary Schools Cafeteria Renovation

Harrison County School District

Renovate existing dining hall and kitchen. Two Change Orders – total addition of \$2,855 (found asbestos).\$330,097

Lyman Elementary – Remove Carpet / Re-tile library

Harrison County School District

Replace existing carpet with VCT flooring. \$14,500

Harrison Central High School – Install Ceiling / Lights

Harrison County School District

Install new ceilings and lights in 4 buildings. One Change Order - \$1,700 (added scope) \$78,050

Harrison Central High School – New Sign Entry

Harrison County School District

Replace existing entry sign. \$100,000

West Wortham Portable Classroom Relocation

Harrison County School District

Relocate 8 portable class rooms for new addition. \$70,400

Harrison Central High School – Softball Field Dugouts

Harrison County School District

Install terraces for bleachers. \$70,000

Harrison Central Elementary – Cafeteria Floor Replacement / Renovation

Harrison County School District

Replace existing VCT flooring with new floor. \$21,000

D'Iberville Elementary Gym Floor Replacement / Renovation

Harrison County School District

Remove and replace existing gym and VCT flooring. \$36,000

North Woolmarket Elementary/Middle School Addition / Renovation

Harrison County School District

16 classroom addition. \$1,400,000

Harrison Central Elementary Cafeteria Roof Replacement

Harrison County School District

Replace existing ballasted roof with modified roof to meet code. \$100,000

D'Iberville High School Classroom Addition / Renovation

Harrison County School District

10 Classroom Addition at existing wing. \$1,900,000

D'Iberville Middle School Cafeteria Renovation / Addition

Harrison county School District

Remodel existing Dining Hall and add new serving line. 3500sf. \$362,000

University of Mississippi Medical Center – School of Medicine

Jackson, MS

School of Nursing, Preplan Classroom Facility

Medical Tower Renovation and Tenant Build-out

(Performed as a Dean & Dean Associates employee/1997-2001/served as intern architect/project manager)

Rankin County Schools

Brandon, MS

New Brandon High School

New Northwest Elementary School #1

(Performed as a Dean & Dean Associates employee/1995-2008/served as intern architect)

Hospitals

Merit Health Biloxi

Biloxi, MS

BRMC Joint Commission Review – Reviewed specific questions on rated doors and walls.

Promenade Family Clinic - \$560,000, New clinic build-out, 7,000 sq ft,

Life Safety Review – Reviewed fire and smoke walls for possible de-rating

Gulf Oaks Life Safety Review – Reviewed fire and smoke walls for possible de-rating

Entry Door Expansion - \$80,000

Lake View Clinic Addition – \$80,000, 1,500 sq ft renovation,

Physicians Lounge Renovation – \$25,000, 800 sq ft renovation.

Sleep Lab Clinic – \$329,800, 2,355 sq ft renovation

ER – Fast Track Renovation – \$516,174, Renovation of existing ER of approx. 2,696 sq ft. Renovation included adding 5 new exam rooms, nurse station, and patient bathroom.

Outpatient Testing and Lobby Renovation - \$848,326, Renovation of approx, 7,066 sq ft, including the relocation of the gift shop, admissions and waiting area.

Infusion Therapy Renovation - 1,400 sq. ft., \$300,000

2nd Floor Surgery Front End Renovation - 5,800 sq. ft., \$2,100,000 Preplanning

Marshall Steel Program Renovation - 650 sq. ft., \$100,000

Singing River Health Systems

Ocean Springs Hospital / Singing River Hospital

Singing River Hospital Systems / FEMA

Ocean Springs, MS

Window Mitigation – Replacement – HMGP #1604-0262 \$1,500,000

Singing River Hospital

. **2 SE/SW Med Surg/Orthopedic Wing Renovation** - \$3,800,000

. **3 SE/SW Labor and Delivery Wing Renovation** - \$6,000,000

. **New Mechanical/Electrical Central Plant** - \$11,200,000

. **Lingle Building Space Relocation** – \$170,000

. **Pediatric Neurology** – \$80,000

. **Education Space** - \$500,000

. **Ready Care** - \$70,000

. **CRC Renovation** - \$712,000

. **PBX Call Center** – Wound Care - \$110,000

. **Cath Lab** - \$750,000

. **Radiology MPI** - \$375,000

. **Training Center** - \$290,000

. **Nursery Renovation** - \$1,400,000

. **HR Renovations** - \$250,000

. **Security Renovations** - \$90,000

. **Behavioral Health Renovations** - \$225,000

. **Bio-Med Renovations** - \$190,000

. **Facilities Relocation** - \$350,000

Ocean Springs, MS

- **New Dock and Receiving Addition/ Renovation**- \$2.3 million
- **Human Resources/ Main Lobby Renovation** - \$1.0 million
- **Cath. Lab Renovation** - \$600,000
- **Cardio Critical Care Unit Renovation** - \$800,000
- **Progressive Care Unit Renovation** - \$650,000
(Performed as a Dean & Dean Associates employee/2007-2008/served as project architect)
- **New Mechanical/ Electrical Central Plant** - \$750,000 architectural only, \$5.5 million total
- **Hospital Flooring Replacement** - \$300,000
- **Non-Invasive Cardiology Renovation** - \$400,000
- **Hybrid OR Renovation** - \$1,650,000
- **Sleep Clinic Renovation** - \$450,000
- **Angio Room Renovation** - \$300,000
- **Board Room Renovation** - \$150,000
- **Pharmacy Robot Room Renovation** - \$160,000
- **Non-Invasive Cardiology Renovation** - \$400,000
- **Administration Renovation** - \$225,000
- **Ed Canopy Addition** - \$180,000
- **Pet Scan Relocation** - \$80,000
- **New Mechanical/ Electrical Central Plant** - \$10.5 million total, \$2.4 mil Architectural
- **Neuroscience Center Office Building** - \$5,500,000 30,200 sq. ft.

Merit Health River Oaks

Flowood, MS

- CrossGates Orthopedic Clinic** - \$340,000, Renovation of 4,000 sq ft build-out and exterior Cosmetic Improvements in and on the existing Fitness Plus Building.
- Dr. Quinn Tenant Space** - \$201,440, New 2,518 sq ft build-out in existing DASCO Building.
- Wound Care and Lab** - \$197,280, Expansion and Renovation of 2,466 sq ft in existing DASCO Building.
- Madison River Oaks Medical Office Building** - \$4,000,000, New 30,000 sq ft medical office building – core and shell and site development. Project On Hold.
- NorthWest Regional Medical Clinic – Senatobia Family Clinic** - \$272,000, Renovation of 3,200 sq ft. Project on Hold.
- Crossgates – Sleep Lab** - \$304,810, Renovation of 2,771 sq ft build out in existing Fitness Plus Building.
- Bariatric Weight Loss Center** - \$466,343, Tenant build-out of 6,500 sq ft in the existing Riverchase Medical Office Building in Flowood, MS.
- Suite 400 OB/GYN Urology Clinic** - \$136,000, Tenant Build-out / renovation of 1353 sq ft.
- Southern Women’s Clinic** - \$564,000, Renovation of 1,988 sq ft office building.
- Madison River Oaks Helipad** - \$85,000, New helipad to be built next to the existing hospital in Canton, MS. Complete through 50% Construction Documents.
- ROHS ENT Clinic Renovation** - \$457,700, 5,500 sq ft tenant build out / renovation in the existing Riverchase Medical Office Building.
- River Oaks Hospital Helipad** - \$50,000, New helipad to be built next to the existing hospital in Flowood, MS.
- ROHS Dr. Lewis Clinic Renovation** - \$226,000, Renovation of approx. 2,825 sq ft.

- ROHS 3rd Floor Renovation** - \$4,357,600, Renovation of 3rd floor in two phases. Phase 1 - 11,211 sq ft Phase 2 – 10,577 sq ft.
- ROHS Dr. Hood Clinic Exp. / Renovation** - \$209,000, Renovation and expansion of approx. 3,199 sq ft.
- ROH Admin Renovation** - \$254,000, Renovation of approx. 2,544 sq ft to be built in existing hospital.
- ROH East Lakeland Clinic Renovation** - \$924,293, Tenant renovation of approx. 13,503 sq ft.
- ROH Women’s Hospital Helipad** - \$50,000, New helipad to be built next to the existing hospital in Flowood, MS.
- ROHS Ridgeland Clinic Renovation** - \$200,000. Complete. 6,000 sq ft, Schematic Design & Project narrative for interior finish upgrade.
- ROHS Newborn Clinic Renovation** - \$98,000, Renovation of 1,225 sq ft in existing office building.
- ROHS Outpatient Clinic Renovation** - \$193,520, Renovation of 2,419 sq ft. in existing office building.
- ROHS Suite 422 & 424 Renovation** - \$370,400. Renovation of 4,630 sq ft. in existing office building.
- ROWH Oxygen Tank Farm** - \$207,000. Expansion of Woman’s Hospital Oxygen Tank Farm.
- Central Sterile Renovation** - 1,500 sq. ft., \$180,000
- Pharmacy Renovation** - 2,800 sq. ft., \$650,000
- ROH Retail Pharmacy** - 1,800 sq. ft., \$300,000

Yalobusha General Hospital

Water Valley, MS

Facility Evaluation and Master Plan – \$6,000,000. On going. Review existing hospital for replacement and/or renovation.

Central Nursing Station Renovation \$537,000, 2,608 sq ft. Redesign of all support spaces and nurse station.

Patient Wing Renovation - \$1,461,600, 6,487 sq ft. Renovation of 26 patient rooms and bathrooms. Adding showers.

Pharmacy Renovation - \$172,210, 1,400 sq ft. Relocate and streamline phasing layout and functionality.

Oakland Family Clinic – \$320,000, 3,400 sq ft family clinic to house exam rooms, nurse station, and support spaces.

Kitchen/Dining Room - \$450,000, Renovation 2,900 sq ft. Expansion of existing dining room, serving line, and wash area.

ADA Ramps – \$110,000, Added ADA ramps to hospital and nursing home wing at 4 locations.

Sun Room – \$90,000, Install new patient sun room for view out to main entry.

Flooring Replacement - \$450,000, 40,000 sq ft. Install new flooring throughout entire nursing home to update look.

New Replacement Hospital - \$15 million. 60,000 sq ft. Design of a new replacement hospital for critical access and added service lines.

Water Valley Family Clinic - \$1,700,000, Constructed to house 4 doctors, 16 exam rooms, X-Ray, Procedure Room, and Lab Services.

Maintenance Building - \$250,000, 4,000 sq. ft.

Day Care - \$690,000, 7,000 sq. ft.

Tallahatchie General Hospital

Charleston, MS

Nurse Station Renovation - 1,800 sq ft, \$379,000

Master Planning - On-Going

Patient Wing Renovation / Addition - 8 bed addition

Nursing Home Addition - 14 bed addition

Specialty Clinic Addition - Programming

Merit Health Central

Jackson, MS

CT Renovation - 1,200 sq. ft., \$360,000

Cath Lab Suite Renovation - 4,300 sq. ft., \$1,100,000

Cath Lab #3 Renovation - 500 sq. ft., \$180,000

Raymond Family Clinic - 6,000 sq. ft., \$700,000

VA Medical Center

Overton Brooks - Shreveport, MS

Cath Lab Renovation and Expansion - Renovate and expand the Cath Lab located on the 6th floor of the East wing within the main hospital. 8,230 sq. ft.

Pathology Lab Renovation - Renovation of pathology lab on 2nd floor.

Morgue Renovation - Renovation of morgue/autopsy suite. 1,060 sq. ft., \$370,000

Rush Health System

Meridian, MS

Lab Relocation - 7,000 sq. ft., \$1,890,000

Vein Center Renovation - 1,100 sq. ft., \$250,000

HR Renovation - 5,000 sq. ft., \$500,000

Gift Shop Renovation - 3,200 sq. ft., \$400,000

4th Floor Cosmetic Renovation - 8,500 sq. ft., \$880,000

ER Rural Clinic Renovation - 4,500 sq. ft., \$375,000

1 East Floor Renovation - 4,000 sq. ft., \$850,000

George Regional Hospital

Lucedale, MS

Hospital Expansion and Renovation - New hospital entry, lobby, new ER expansion, radiology consolidation, dining room/kitchen renovation and 2nd floor medical office space. 28,000 sq. ft. \$5.7 million

Sharkey-Issaquena Community Hospital

Rolling Fork, MS

Cosmetic Improvements - 18,000 sq. ft., \$1,100,000

Baptist Health Systems

Jackson, MS/Madison, MS

•West Tower Expansion - \$44 million

Including Main Campus Long Range Master Plan Relocation of OCU, CV-ICU, 24-bed Interventional Unit, Non-Invasive Cardiology, NICU, 19 Mother-Baby Patient Rooms, Well-Baby Nursery, and new Heart and Women's entry drive and canopy, new main hospital Entry Plaza and canopy, and three shell floors for future patient bed and lease space

•Lakeland Drive Medical Office Building

Building core and shell, the Children's Clinic, Baptist Family Clinic, Neurology Clinic

•The Colonnades - \$25.6 million core/shell by Ellerbe Becket. Served as co-project manager on all Tenant Improvements, including:

•Cardiovascular Associates, Cardiovascular Surgery Clinic, The Woman's Clinic, The Woman's Specialty Clinic, Jackson Medical Clinic, Oncology Clinic, Infectious Disease Clinic, Endoscopy Clinic

•Phase 1/Medical Office Building, Madison, MS - \$13.4 million

Including Madison Campus Long Range Master Plan - Phase 1

Children's Clinic, Primary Care Clinic, Imaging Center, Ambulatory Surgery Center, Eye Clinic, OT/PT Clinic, Time Share Clinic, Women's Clinic, Mammography Clinic

(Performed as a Dean & Dean Associates employee/1995-2008/served as intern architect/project manager/project architect)

References:

Upon Request

Rick E. House, CSI

Intern Architect
Hardy and Associates/ Architect, PLLC

PROFESSIONAL:

2010 to present: Hardy and Associates/ Architect, PLLC – *Intern Architect*
2006 to 2010: QCI Marine Offshore, LLC – *Lead Architectural Design*
1997 to 2006: Allred McNabb, Architects P.A. – *Senior Designer*

RESPONSIBILITIES / EXPERIENCE:

Rick has spent his career involving himself in all phases of architecture and planning. As a designer, he has coordinated projects in all aspects of the design process, including: initial Programming and visualization, Schematic Design, Design Development, Construction Documents, and Construction Administration. Rick is intimately familiar with code requirements and has implemented a variety of code enforcement in his projects, from the early Southern Building Code, IBC, American Bureau of Shipbuilding, US Coast Guard, DNV, IMO, SOLAS, NFPA, and others. He also has experience with many forms of computer aided graphic presentation from realistic rendering to 3D walk-through.

KEY PROJECT EXPERIENCE:

Hospitals

- Singing River Hospital
- George Regional Hospital
- Ocean Springs Hospital
- Merit Health Biloxi
- Yalobusha General Hospital

Harrison County School District

Dickey's BBQ

EDUCATION:

Bachelor of Architecture, Drury University 1997

PROFESSIONAL MEMBERSHIPS:

National Council of Architectural Registration Boards – NCARB
Construction Specification Institute - CSI

COMPUTER KNOWLEDGE:

MicroStation V8, AutoCAD R9 through 2010, 3DMax, Accurender, FormZ, Adobe Photoshop, Adobe Illustrator, MS Word, MS Excel

John Freeman

Production Coordinator
Hardy and Associates/ Architect, PLLC

PROFESSIONAL:

2011 to present: Hardy and Associates/ Architect, PLLC – *Production Coordinator*
2009 to 2010: Northrop Grumman Ship Systems – *Engineer IV*
2006 to 2008: Trinity Yachts – *Interior Design Liaison/Project Coordinator*
2000 to 2005: NGSS AMCV Cruise Ship – *Architectural Engineer III*
1994 to 1999: Walter Bolton Associates, AIA – *Prod. Manager, Designer-Draftsman*
1992 to 1993: Guild Jaubert and Guild, AIA – *Contract-Construction Administrator*
1991 to 1992: Lund Associates Architects, AIA – *Designer/Draftsman, Rendering and Models*

1995 to 1996: Brown and Mitchell Engineers – *Designer, Draftsman /Bldg. Design*
1996 to 2002: Rumsey Engineering– *Building Consultant and Designer/Draftsman*
1989 to 2005: MS Gulf Coast cities, Residential and Small Commercial Bldg. Design
1987 to 1989: USM ACT Department – *Senior, ACT major Drafting Instructor*

RESPONSIBILITIES / EXPERIENCE:

As a Production Coordinator with wide and varied experience of nearly 25 years, John has been involved in, and responsible for every phase of project production and coordination. Including initial design, construction documents, rendering, project models, specifications, and contract/construction administration. John has an amiable and professional attitude, and prides himself on his high standards when reaching solutions for project issues.

KEY PROJECT EXPERIENCE:

City of Biloxi:
New Back Bay Fire Station
Restoration and Renovation of the Saenger Theater
Restoration and Renovation of City Hall
Merchants and Marine Bank:
New Ocean Springs Branch Bank(s)
Peoples Bank:
New Biloxi Branch Banks(s)
Gulf Coast Research Lab (USM):
New Wet Lab
Restoration and Renovation of Various Facilities
New Research Facilities
Taylor Properties:
Restoration and Renovation of the Woolworth Building, Vieux Marche

EDUCATION:

Associates of Arts, Design and Art, Mississippi Gulf Coast Community College
Bachelor of Science, Architectural Engineering, 1989, University of Southern Mississippi

PROFESSIONAL MEMBERSHIPS & ORGANIZATIONS:

American Institute of Architects, Mississippi Coast Chapter, Secretary, 1993-94
American Institute of Architects, Mississippi Coast Chapter, Vice President, 1994-95
American Institute of Architects, Mississippi Coast Chapter, Membership Chairman, 1996
Former Student and Professional Member- American Institute of Building Design

COMPUTER KNOWLEDGE:

MicroStation V8, AutoCAD Versions 2 thru 2010, Intergraph, MS Word 2007, MS Excel 2007,

Gina Hardy, NCIDQ

Senior Interior Designer
Hardy and Associates/ Architect, PLLC

PROFESSIONAL:

2014–Present Hardy and Associates, Biloxi, MS

Interior Designer - Responsible for managing all interior aspects in coordination with the project architect including, but not limited to interior specification and location of finishes and materials, placement and specification of furnishings, design of interior aspects of the space, and interior environment/concept planning of interiors.

1996-2001 Saks Incorporated, Jackson, MS

Asst. Dir. Store Design - Responsible for managing all interior aspects in coordination with Asst. Dir. Store Planning and Director of Store Planning and Design including interior specification and location of finishes and materials; placement and specification of furnishings; drafting; and design of interior aspects of the space.

RESPONSIBILITIES / EXPERIENCE:

Space planning; Production and development in all phases of design; FF&E; Various visual communication methods- digital and physical boards

EDUCATION:

Dec. 1993 University of Southern Mississippi
Bachelor of Science; College of Health and Human Sciences
Emphasis in Interior Design

PROFILE:

Confident and talented designer providing a valuable combination of practical and visionary experience in both designing and planning interior spaces.

Effective team player-

Valuable interaction between architectural teams, clients and consultant, project management, and the ability to communicate ideas to the client.

Carla Thornton

Business Manager
Hardy and Associates/ Architect, PLLC

PROFESSIONAL:

2011 to present: Hardy and Associates/ Architect, PLLC – *Business Manager*
2000 to 2015 : Carla's Creations and Designs – *Owner*
1996 to 1998: Days Inn Rainbow Casino – *Sales Director*

RESPONSIBILITIES / EXPERIENCE:

As a Business Manager with over 15 years experience, Carla has been actively involved in all phases of business and Office Management. She is responsible for the organization and coordination of office operations, procedures and resources to facilitate organizational effectiveness and efficiency. Skills include problem resolution, communications, administrative support, purchasing, and expense reporting, invoicing, and administrative-organizational reporting. She performs account reconciliations and general ledger entries as well as implementing payroll, posting to General Ledger accounts and prepares monthly financial statements/reports.

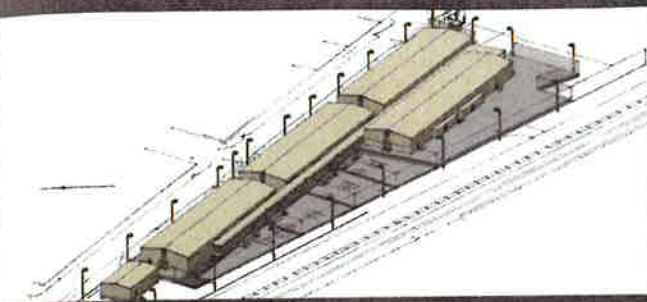
EDUCATION:

Mississippi State University 1985-1989: Bachelors Degree - Business Administration
Mississippi State University 1985-1989: Bachelors Degree – Marketing
Mississippi State University 1989-1992: Masters Degree – Business Administration

COMPUTER KNOWLEDGE:

Microsoft Office (Word, Word Perfect, Excel, and Outlook), QuickBooks Pro

GSE EXPERIENCE



TEMPORARY INMATE HOUSING
ORLEANS PARISH, LA

GSE provided full engineering design for a 500 bed inmate housing facility built in New Orleans, LA which was funded by FEMA. The 40,000 square foot medium security facility consisted of 4 identical inmate buildings, a two story visitation and staff building, and outside recreational areas. Scope of work included project management for civil, and survey coordination along with structural, fire protection, electrical, and mechanical engineering design.

- Shallow Foundations
- Ventilation Systems
- Plumbing
- Low Voltage
- Lighting Controls
- Fire Alarm
- Bid Assistance
- Panel Boards
- Life Safety
- Transformers
- Construction Staking
- HVAC Systems
- Construction Inspections
- Lighting
- Cost Estimating



PORTABLE JAILS
PLAQUEMINES PARISH

GSE provided mechanical, electrical, and plumbing design for 6 portable jail facilities which converted portable shipping containers into 2 bedding units, cafeteria, laundry facility, and administrative buildings.

- Lighting Control
- Data/Telecom
- HVAC Systems
- Low Voltage
- Fire Alarm
- Plumbing



ADULT DETENTION CENTER
HARRISON COUNTY, MS

GSE evaluated life safety and HVAC processes while designing a custom touch screen control system for building automation and locking at the existing facility. GSE supervised the installation of the controls and commissioned the system. Additional services included electrical design for the perimeter fence lighting and security, as well as mechanical, electrical, plumbing, and structural design for the adjacent K-9 training facility.

- Building automation
- Low Voltage
- Controls System
- Shallow Foundations
- HVAC Systems
- Lighting



BLACKWATER RIVER
MILTON, FL

Florida Department of Corrections enlisted GSE as the Engineer of record for the fire suppression systems for the new Blackwater River Correctional Facility in Milton, FL. The facility has two open bay housing units and four cell housing units with a total maximum capacity of 2,000 inmates.



LITTLE ROCK AFB
LITTLE ROCK, AR

GSE provided sprinkler, fire alarm, mass notification, and passive fire protection (Egress Design) for a 30,000 square foot new construction of the Security Forces Operations Facility at Little Rock AFB.

- Design-Build
- Fire Alarm
- Mass Notification
- Sprinkler
- Passive Fire Protection
- Load Bearing Metal Stud



Stephanie Groves, P.E., LEED AP

Civil Engineer

Accountability and General Experience

Ms. Groves has over 21 years of experience in all phases of civil engineering design, permitting and project management associated with projects for residential, commercial, industrial and municipal developments.

Her experience includes roadway and pavement design, stormwater collection and management systems, water and wastewater distribution and transmission systems, construction cost analysis, construction observation and construction management.

Ms. Groves received a Bachelor of Science Degree in Civil Engineering with a Certificate in Environmental Engineering from the University of Alabama in Tuscaloosa, AL. She is a registered Professional Engineer in Alabama, Florida, Mississippi, Louisiana and Kentucky. She is also a LEED Accredited Professional.

As GSE's Civil Department Manager, Ms. Groves' responsibilities include civil design of site improvements for commercial, industrial and municipal developments. Civil designs including paving, stormwater management systems, water distribution systems, wastewater transmission systems, pavement marking and signage. She is also responsible for quality control, permitting, contract administration, construction observation and certification.

Education

Bachelor of Science
Civil Engineering
Environmental Engineering
Certificate
University of Alabama

Registrations / Certifications

Professional Engineer
Alabama, Florida, Mississippi,
Louisiana and Kentucky

USGBC LEED AP

Representative Experience

Civil Department Manager Civil Engineer Gulf States Engineering

Centennial Plaza - Gulfport, MS

Design and permitting of civil site improvements for a multi-use development including, hotel, retail, office, educational and residential uses. The design includes site plan, paving and grading, stormwater management system, erosion and sediment control, utility connections and onsite utility design.

Dairy Queen – Multiple locations in Mobile, AL

Design and permitting of civil site improvements for a drive-thru restaurant including, site plan, paving and grading, stormwater management system, utility connections, erosion and sediment control and construction best management practices plan (CBMPP). One of the projects included a driveway connection to an Alabama Department of Transportation road. This required additional coordination and permitting.

Gulf Coast Community Federal Credit Union - Gulfport and D'Iberville, MS

Design and permitting of civil site improvements for bank including, site plan, paving and grading, stormwater management system, utility connections, erosion and sediment control and stormwater pollution prevention plan (SWPPP).

Walk-on's Restaurant – Multiple locations including Houma and Lake Charles, LA and Lubbock, TX

Design of civil site improvements for a restaurant including, site plan, paving and grading, stormwater management system and utility connections.

Community Bank Coast - Mobile, AL

Design and permitting of civil site improvements for a bank including, site plan, paving and grading, stormwater management system, utility connections, erosion and sediment control and construction best management practices plan (CBMPP). Also responsible for construction observation and certification.



CONSULTING ENGINEERS
CREATING SOLUTIONS

Stephanie Groves

Civil Engineer

Church's Chicken - Gulfport, MS

Design of civil site improvements for a drive-thru restaurant including, site plan, paving and grading, utility connections, and erosion and sediment control.

Chili's - Opeika, AL

Design and permitting of civil site improvements for a restaurant including, site plan, paving and grading, stormwater management system, erosion and sediment control, construction best management practices plan (CBMPP) and utility connections.

Azteca's Mexican Restaurant - Gulfport, MS

Design and permitting of civil site improvements for renovating an existing site for a restaurant including, site plan, paving and grading, utility connections and a new driveway connection to a Mississippi Department of Transportation road.

Axis Industrial Landfill - Axis, AL

Design and permitting of civil site improvements for an existing landfill facility including onsite utility design.

Coffee County Landfill - Coffee County, AL

Design of civil site improvements for the addition of equipment to an existing landfill facility including, site plan, paving and grading, stormwater management system and erosion and sediment control.

La Maison at Saraland - Saraland, AL

Design and permitting of civil site improvements for an apartment complex including, site plan, paving and grading, stormwater management system, utility connections, onsite utility design, erosion and sediment control and construction best management practices plan (CBMPP). Also responsible for construction observation and certification.

Previous Experience

Project Coordinator

Birmingham Industrial Construction, LLC

ThyssenKrupp Steel USA Plant - Calvert, AL

Project Coordinator and Manager for installation of epoxy floor coatings and paint at a 3600-acre steel mill site. Duties include coordination with ThyssenKrupp personnel, subcontractors and vendors; daily observation and reporting; required testing of surfaces to be coated; supervision of employees and subcontractors; creation of as-built drawings; invoicing; negotiation of change orders; and quality control.

Vice President/Branch Manager

Civil Engineer

Creech Engineers, Inc.

The Estates at Entrada - Lee County, FL

Project Manager and Professional Engineer responsible for design and regulatory agency approvals for a 293-acre development which includes single-family residential, multi-family residential and commercial development. Design consists of roadway design, parking lots, stormwater management system, water distribution system, wastewater collection and transmission system including multiple lift stations, and off-site improvements including turn lanes, roadway drainage and utilities. Services included construction observation and certification.

Fox Grove - Martin County, FL

Project Manager and Professional Engineer responsible for construction observation and certification for a 43-unit single family residential development. Design includes roadways, stormwater management system, and off-site roadway and drainage improvements.

Brighten Subdivision - Palm Beach County, FL

Senior Manager overseeing engineering design and regulatory agency approvals for a 10-acre, 32-unit single family affordable residential housing development for the Palm Beach County



CONSULTING ENGINEERS
CREATING SOLUTIONS

Stephanie Groves

Civil Engineer

Housing Authority. Design includes roadways, stormwater management system, potable water distribution system, wastewater collection and transmission system, and off-site roadway and utility improvements.

Regency Centers at Beacon Lakes - Miami-Dade County, FL

Project Manager and Engineer responsible for site planning, engineering design and permitting of 470,000 square feet of commercial retail space on a 45-acre site in unincorporated Miami-Dade County. Design and permitting included site layout, stormwater management, utilities and roadways. Services included management and coordination of sub-consultants, entitlement processes and tenant requirements.

Big Box Retail Store Remodels - Florida

Project Manager and Professional Engineer responsible for design and permitting for store remodels including stormwater design, roadway design, utility design and site layout.

The Pine School - Hobe Sound, FL

Project Manager and Professional Engineer responsible for overseeing engineering design and regulatory agency approvals for a 140-acre site in Hobe Sound, Florida for a private high school and middle school. Design includes roadways and parking areas, water distribution system, wastewater collection/transmission system, stormwater management system, reclaimed water (IQ) system and site grading. Services include construction observation and certification.

Palm City Shoppes - Palm City, FL

Project Manager and Professional Engineer responsible for construction observation and certification for a 14.7-acre commercial shopping center development. Design includes parking lot, stormwater management system, water distribution system, wastewater collection and transmission system, and off-site roadway and drainage improvements.

Advantage Ford - Stuart, FL

Project Manager and Professional Engineer responsible for construction observation and certification for a 13.7-acre car dealership development. Design includes parking lot, stormwater management system, water distribution system, wastewater collection/transmission system and off-site improvements including turn lane and drainage improvements.

Walgreens West Jensen - Martin County, FL

Project Manager and Professional Engineer responsible for construction observation and certification of a 1.8-acre commercial development. Design consists of parking lot, stormwater management system, water distribution system, wastewater collection/transmission system, and off-site improvements within adjacent roadways.

Bank Atlantic - Port St. Lucie, FL

Project Manager and Professional Engineer responsible for overseeing engineering design and regulatory agency approvals for the bank development. Design includes parking lot, stormwater management system, and site grading.

East-West International - Palm City FL

Project Manager and Professional Engineer responsible for overseeing design and regulatory agency approvals for the 3,600 square foot office building development. Design includes parking lot, stormwater management system, site grading, water distribution system and wastewater collection/transmission system.

Quantum Community Development District - Boynton Beach, FL

District Engineer responsible for providing services for the District comprising a development that includes residential, commercial and industrial uses. The services include preparation of the Engineer's Report, attendance at meeting of the District Board of Supervisors, preparation of reports, performance of engineering evaluations and designs, and preparation of budgets for determining probable project costs or annual assessments to be levied by the District.

Old Palm Community Development District - Palm Beach County, FL

District Engineer responsible for providing services for the District comprising a 651-acre residential development. The services include preparation of the Engineer's Report, attendance at meeting of the District Board of Supervisors, preparation of reports, performance of engineering



CONSULTING ENGINEERS
CREATING SOLUTIONS

Stephanie Groves

Civil Engineer

evaluations and designs, and preparation of budgets for determining probable project costs or annual assessments to be levied by the District.

Copperhead Community Development District - Lee County, FL

District Engineer responsible for providing services for the District comprising a 289-acre residential development. The services include preparation of the Engineer's Report, attendance at meeting of the District Board of Supervisors, preparation of reports, performance of engineering evaluations and designs, and preparation of budgets for determining probable project costs or annual assessments to be levied by the District.

Project Manager

Civil Engineer

Sun-Tech Engineering, Inc.

Regional Wastewater Treatment Plant - Broward County, FL

Project Manager in charge of civil engineering design for the expansion of the existing treatment plant. Design includes internal roadways, stormwater management system, layout of all underground piping for plant module, landscape design, irrigation system and site grading.

Boynton Intracoastal Park - Boynton Beach, FL

Project Manager in charge of civil engineering design and regulatory agency approvals for renovation of the existing 9-acre park located on the Intracoastal Waterway. Design includes roadways, parkway, stormwater management system, water distribution system, and wastewater collection/transmission system.

Plantation Central Park - Plantation, FL

Project Manager in charge of civil engineering design and regulatory agency approvals for a 31-acre park expansion. Design includes roadways, parking, stormwater management system, water distribution system and wastewater collection/transmission system.

Murano PUD - Palm City, FL

Project Manager in charge of civil engineering design and regulatory agency approvals for the 122-unit single family residential development. Design includes roadways, stormwater management system, water distribution system, wastewater collection/transmission system, lot grading and off-site improvements including roadway, water main extension and force main extension.

San Remo Townhomes - North Lauderdale, FL

Project Manager in charge of design and regulatory agency approvals for the multi-family residential development. Design includes roadways, parking, storm water management system, water distribution system, wastewater collection/transmission system and off-site improvements including roadway and wastewater force main.



CONSULTING ENGINEERS
CREATING SOLUTIONS



S. Lane Sesi, PE

Structural Engineer/Principal Project Manager

Accountability and General Experience

Vice President and Director of Project Management, Lane holds bachelor degrees in construction sciences from the University of Southern Mississippi and civil engineering from the University of South Alabama. Lane has managed the design of several high profile projects for heavy industrial and manufacturing clients as well as large commercial structures in hurricane prone areas.

Lane has served as Project Manager and/or Structural Engineering Lead for nearly 2 billion dollars in capital construction cost over the last 5 years. His expertise in both the project design and construction phases of large projects is a benefit noted by many clients.

Representative Experience

Principal Project Manager Structural Engineer Gulf States Engineering

Orleans Parish Temporary Inmate Housing Facility – New Orleans, LA

Structural engineer peer review for a 500 bed inmate housing facility built in New Orleans, LA which was funded by FEMA. The 40,000 square foot medium security facility consisted of 4 identical inmate buildings, a two story visitation and staff building, and outside recreational areas. Scope of work included project management for civil, and survey coordination along with structural, fire protection, electrical, and mechanical engineering design.

Shore Oaks Center and Restaurant Development – Daphne, AL

Project manager and lead structural engineer for all three phases of the retail and restaurant development constructed in Daphne, AL. The buildings total approximately 15,000 square feet and consisted of masonry, structural steel, and structural light gage systems. Build-outs for the development included Moe's Southwest Grill, Hibachi Express, and Taziki's Mediterranean Cafe.

Tacky Jack's Restaurant – Orange Beach, AL

Lead structural engineer for the approximate 9,000 square foot addition to Tacky Jacks in Orange Beach, AL. The three level building expansion is supported on precast concrete piling and implements numerous structural systems including moment resisting steel frames, masonry, light gauge metal studs and timber.

Office Building for Truland Homes – Daphne, AL

Structural Engineer of record for the new \$4.5M two story command center and show room for Truland Homes. GSE provided all engineering design for the future home office for Truland Homes. The design consists of structural steel framing with metal stud shear and curtain walls. The metal studs are integrated into the steel framing as shear walls in order to eliminate heavy gage bracing systems and moment frames. This unique configuration results in a cost efficient approach to designing the structure for wind speeds in excess of 160 mph.

Marquis Apartments – New Orleans, LA

Structural Lead for a new \$55M luxury apartment complex comprising of three 5-story wood framed structures with approximately 250 units. The apartments, built on Poydras, the project was listed as part of "The Year's Best Architecture" by myNewOrleans.com

Hancock Bank – Gulfport, MS

Project manager and structural lead for the 7 million dollar expansion and restoration of an approximately 80 year old office building in (Gulfport, MS). The project entailed concrete restoration and adjoining new steel framed construction to existing concrete and masonry.

U.S. Post Office – Pascagoula and Pass Christian, Mississippi

Project manager and structural lead for 2 post offices built to replace severely damaged structures following Hurricane Katrina.

Education

Bachelor of Science
Civil Engineering
University of South Alabama

Bachelor of Science
Building & Construction Sciences
Univ. of Southern Mississippi

Professional Engineer

Alabama
Mississippi
Florida
Kentucky
Tennessee



GSE
CONSULTING ENGINEERS
CREATING SOLUTIONS

S. Lane Sesi, PE

Structural Engineer/Project Manager (cont.)

Daphne City Hall – Daphne, AL

Project Manager and structural lead for a 7 million dollar expansion utilizing steel, concrete, masonry, and timber components

Don's Seafood:

Project manager and structural lead for the design of a masonry block and wood framed restaurant (Gonzalez, LA).

Mellow Mushroom Restaurants:

Project Manager and Structural Lead for three uniquely designed steel framed restaurants (Arizona, South Carolina, and Florida).

University of Mobile:

Structural engineer and project manager for a new 4 story \$5M dormitory building at the University of Mobile campus constructed of concrete block and precast systems. scope of work for the 55,000 square foot building included surveying, structural and civil site design.

Bay Community Church - Daphne,

Structural engineer for a new \$4M, 40,000 square foot church expansion built from precast concrete panels and steel framing. The expansion includes a state-of-the-art concert venue with stadium seating. Extensive coordination with the General Contractor was performed in order to provide fast-tracked value-engineering changes to complete the project on schedule and within budget.

Ocean Springs FEMA Shelter and Community Recreation Center

Structural engineer for a proposed \$4M FEMA shelter and community center constructed from steel framing and insulated concrete form walls designed for 200 mile per hour wind speeds (Ocean Springs, MS)

Katrina Cottage Development

Provides structural engineering for the conversions of used FEMA trailers to permanent residential structures able to withstand 150 mile per hour wind speeds.

Eco-Cottage Development

Provided structural engineering for an award winning development of low cost, LEED certified, residential community designed to withstand 150 mph wind speeds in Gulfport and Ocean Springs, MS.

Gulf Shores and Orange Beach Condo Market

Provided structural engineering and construction inspection services for over 40 condo restorations and renovations in the Gulf Shores and Orange Beach markets

St. Catherine's Church

Served as structural engineer and expert witness for waterproofing issues and design of a new roof for the approximately 80 year old building (Mobile, AL)

Dunbar School

Structural engineer for the renovation and new construction of an approximately 120 year old structure damaged by termites and water intrusion. (Mobile, AL)

Lazy Magnolia Brewery – Kiln, MS

Structural Engineer for a new \$3M brewery and office facility.

Dairy Queen – Various Locations

Structural Engineer and Project Manager for four new Dairy Queen locations in the Gulf Coast region. The 4500 square foot buildings were constructed using shallow foundations, wood framing, and pre-engineered wood trusses.

Chili's Grill and Bar Restaurants

Structural Engineer for four Chili's restaurant locations in the Gulf Coast region (AL, MS). The



CONSULTING ENGINEERS
CREATING SOLUTIONS

S. Lane Sesi, PE

Structural Engineer/Project Manager (cont.)

St John Baptist Catholic School – Madison, AL

Provide all seismic design for the Fire Protection system of a new classroom addition

Volunteers of America – Mobile AL

Provided structural engineering for various renovations and new construction for the Southeast regional headquarters of Volunteers of America

University of Mobile – Baseball Fields

Provided structural and retaining wall design for major renovations to the University of Mobile Baseball Fieldhouse. Project included site stabilization to utilize site grading as seating.

BBB Office Building – Daphne, AL

Structural engineer for a 10,000 square foot, two story, office structure built to withstand 160 mph wind speeds. The building is stick framed construction with long span wood joists in order to achieve the large interior open spaces required.

Myrick Insurance Office Building – Fairhope, AL

Structural engineer for a two-story 6,000 square foot wood framed office structure.

Walk-On's Bistreaux and Bar – Multiple Locations

Structural Engineer of Record for various Walk-On's restaurants. The unique architecture of the buildings are constructed with various structural systems including structural light gage framing, shear walls, and steel moment frames.

McAlister's Deli – Multiple Locations

Structural Engineer of Record for several McAlister's Deli restaurants. Includes new stand-alone construction designed apart from typical prototype configuration.

Mustique Condominium Structural Remediation – Gulf Shores, AL

Lead structural engineer and project manager responsible for the structural remediation design of the newly constructed Mustique Condominium after it was discovered that the building lacked adequate steel reinforcement to meet the strength requirements of the Building Code. The remediation implemented carbon fiber reinforced polymer strips (CFRP) and was able to be performed entirely from the exterior avoiding structural demolition. The building remained in operation throughout the construction and was completed at a fraction of the cost of conventional methods.

Pascagoula Navy Lakeside Complex – Pascagoula, MS

Structural engineer for the renovation and new construction of a Navy barracks complex – engineering included seismic reporting and design as well as concrete restoration.

Jackson County School System – Vancleave and Hurley, MS

Structural lead for 3 public school expansions consisting of tilt-up concrete and steel framed construction

Mississippi Gulf Coast Community College:

Project manager and structural lead for 17,000 sq. ft masonry and steel maintenance building located at the Jackson County Campus (Pascagoula, MS).



CONSULTING ENGINEERS
CREATING SOLUTIONS



John T. Wade, P.E., F.P.E. Principal Engineer

Accountability and General Experience

As Mechanical and Fire Protection Engineer for Gulf States Engineering, Mr. Wade's experience in engineering design for commercial, general manufacturing, and heavy industry is considerable and current. Mr. Wade has 20 years of professional experience in the design and engineering of mechanical and fire protection systems. This includes process equipment design and specification, HVAC and plumbing design, heat transfer and thermal analysis, pump and piping design, fire suppression system and fire alarm system design, pneumatic conveying and dust collection system design, mechanism design, and project management.

Mr. Wade received a Bachelor of Science Degree in Mechanical Engineering from Mississippi State University, Starkville and a Master's Degree in Fire Protection Engineering at the University of Maryland. He is a registered Professional Engineer in multiple states.

Before joining Gulf States Engineering in 2000, Mr. Wade served as Project Engineer on multi-discipline assignments ranging from small concept studies to major design and engineering projects.

Education

Bachelor of Science
Mechanical Engineering
Mississippi State University

Master of Engineering
Fire Protection Engineering
University of Maryland

Registrations/Certifications

Professional Engineering License
Alabama, Arizona, Arkansas, Colorado,
Connecticut, Florida, Georgia, Kentucky,
Louisiana, Mississippi, Maryland,
Massachusetts, Michigan, Missouri, New
York, North Carolina, South Carolina,
Oklahoma, Tennessee, Virginia

Dual Registered Fire Protection and
Mechanical Engineer

Principal Member of the NFPA Technical
Committee On Fire Fighter Professional
Qualifications

LEED Accredited Design Professional

Coast Guard Authorized Certifying Entity
for Facility Vapor Control Systems

Certified Volunteer Fire Fighter
(Mississippi)

Publications

Contributor to NFPA 1001, NFPA 1002,
NFPA 1003, and NFPA 1005

Representative Experience

Principal Engineer

Gulf States Engineering, Inc.

Harrison County Adult Detention Center – Harrison County, MS

Evaluated life safety and HVAC processes while designing a custom touch screen control system for building automation and locking at the existing facility.

Alabama Supercomputer Center

Clean agent fire suppression system design for a supercomputer center. Additional design for addressable fire alarm system to control the clean agent system.

Blackwater River Correctional Facility – Milton, FL

Engineer of record for the fire suppression systems

Mobile Container Terminal

HVAC, Plumbing, and Fire Alarm design for a new 2-story office building and 2-story maintenance office and repair building. Facility included multi-zone VAV design with DDC HVAC controls. Role: Mechanical and Fire Protection Engineer.

Little Rock Air Force Base – Little Rock, AR

Design of all sprinkler, fire alarm, mass notification, and passive fire protection for a 30,000 square foot new construction of the Security Forces Operations Facility.

Semmes Multipurpose Building

HVAC, plumbing, fire alarm, sprinkler design, and project management for a new multipurpose gymnasium/auditorium.

Allentown Multipurpose Building

HVAC, plumbing, fire alarm, sprinkler design, and project management for a new multipurpose gymnasium/auditorium.

St. Lukes Episcopal School – Mobile, AL

HVAC, plumbing, fire alarm and sprinkler design for a renovation and new construction for a new school campus facility.

Hurlburt Field - Pensacola, FL

Renovation/Upgrade to 5 separate Hangars at Hurlburt Field in Pensacola, Florida. GSE provided the design of repairs and correction of existing fire protection systems in 5 separate hangars. Included repairing and/or replacing overhead sprinkler heads, piping, fire alarm devices, replacing



CONSULTING ENGINEERS
CREATING SOLUTIONS

John T. Wade

Principal Engineer

under wing oscillating monitors with multiple fixed wing nozzles, replacing diesel fire pumps with electric drive pumps, and a high expansion foam system in one hangar.

Vancleave High School - Classroom Addition – Vancleave, MS

HVAC, Plumbing, Fire Alarm, and Standpipe/Hose reel design for a new 8 classroom addition to an existing high school.

Vancleave Lower Elementary - Classroom Addition – Vancleave, MS

HVAC, Plumbing, Fire Alarm, and Standpipe/Hose reel design for a new 8 classroom addition to an existing elementary school.

East Central Lower Elementary - Classroom Addition

HVAC, Plumbing, Fire Alarm, and Standpipe/Hose reel design for a new 8 classroom addition to an existing elementary school.

St. Martin Middle School - Classroom Addition

HVAC, Plumbing, Fire Alarm, and Standpipe/Hose reel design for a new 8 classroom addition to an existing middle school.

Hancock County Ballfields – Hancock County, MS

HVAC and plumbing design for the concession and central utilities for a new baseball complex in rural Hancock County, MS.

Vancleave/St. Martin Football Fields – Vancleave, MS

Project management for new lighting and light poles at both football fields following Hurricane Katrina damage.

University of Alabama – Tuscaloosa, AL

Fire sprinkler design for a new indoor tennis facility in Tuscaloosa, AL.

Auburn University – Auburn, AL

Fire sprinkler and alarm design for multiple fraternity houses.

University of South Alabama – Mobile, AL

HVAC, plumbing, fire alarm, and sprinkler system design for a 20,000 square foot renovation for engineering laboratories and classrooms.

Orange Beach School District - Sea Sand and Stars – Orange Beach, AL

HVAC, plumbing, fire alarm, and sprinkler system design for a new facility that included water touch tanks, a planetarium, and classroom spaces.

Shaw High School

HVAC design to add chilled water and air conditioning to an existing high school gym and replace the existing chiller system for a 2-story classroom building.

Louisiana State University – Baton Rouge, LA

Tennis Facility – Fire alarm design for new tennis complex.

Satsuma High School – Satsuma, AL

HVAC and plumbing design for a gymnasium renovation.

Gulf Shores High School – Gulf Shores, AL

HVAC, plumbing, sprinkler and fire alarm design for a renovation to an existing sports fieldhouse.

Moody Air Force Base - Valdosta, GA

Design of high-expansion foam and sprinkler systems for an aircraft hangar. Role: Fire Protection Engineer.

Eglin AFB - Pensacola, FL

Provided fire protection engineering services for the construction of two separate Squadron Operations and Maintenance Hangar facilities. One for the Department of the Navy (DoN) and the other for the Air Force at Eglin Air Force Base in Pensacola, Florida. Project included three separate hangars, two maintenance sections and two support facilities for offices, training and operations. GSE's scope of work included fire sprinklers, overhead high expansion and underwing trench foam systems, fire alarm releasing panels, and fire pumps to support systems.



CONSULTING ENGINEERS
CREATING SOLUTIONS

John T. Wade

Principal Engineer

Moody AFB - Valdosta, GA

Provided design and inspection, and training services for the installation of a high expansion foam system, fire pumps and overhead sprinkler system for a Fuel Cell maintenance hangar at Moody Air Force Base in Valdosta Georgia.

Warner Robins AFB - Warner Robins, GA

Provided consulting services for an existing maintenance hangar hush house at Warner Robins Air Force Base in Warner Robins, Georgia. GSE provided engineering to determine the effect temperature had on the existing halon system. Scope of evaluation included the temperature that the existing supply would no longer protect the facility. Work included developing computer programs in the absence of manufacturer supplied software for design purposes.

Columbus AFB - Columbus, MS

Provided engineering services at Columbus Air Force Base, Columbus Mississippi to retrofit an existing dry media blasting booth and associated equipment with fire protection. Work included fire sprinkler and fire alarm services.

Arkansas AN - Ft. Smith, AR

Provided consulting services for a new 6 bay maintenance hangar for the Arkansas Air National Guard in Fort Smith Arkansas. The Scope included fire sprinklers, overhead high expansion foam, mass notification, heat detection, and fire pumps.

Soto Cana Air Base - Soto Cana, Honduras

Provided engineering services at a helicopter hangar at Soto Cana Air Force Base in Soto Cana, Honduras. This included the installation of an overhead foam water sprinkler system, a fire pump and tank to support the project.



CONSULTING ENGINEERS
CREATING SOLUTIONS



Education

Bachelor of Science
Mechanical Engineering
University of South Alabama

Registrations/ Certifications

Alabama, Florida, Arkansas,
Mississippi



CONSULTING ENGINEERS
CREATING SOLUTIONS

Chris DeArmon, P.E.

Mechanical Engineering Lead/Project Manager

Accountability and General Experience

Mr. DeArmon has over 23 years' experience as a consulting engineer in HVAC and plumbing design. Responsibilities include HVAC and plumbing systems design, document preparation and construction administration. Engineering design service has been performed for over 700 commercial, industrial, institutional, educational, and governmental projects.

Mr. DeArmon's responsibilities include HVAC and plumbing design, project management, supervision of other engineers, as well as coordination with other disciplines in order to ensure accuracy and coordination of drawings. He is experienced in software packages including head load calculations, building energy modeling, life cycle cost analysis, systems comparisons and system value engineering.

Representative Experience

Mechanical Department Manager Mechanical Engineer Gulf States Engineering

AIS Instruction Facility – Stennis Space Center, MS

System design consisted of VRF DX systems with DOAS. Performed energy modeling to ensure EPAAct 2005 requirements. Provided submission of HVAC and plumbing system information to USGBC to secure building LEED Gold certification.

Building 9322 NAVO – Stennis Space Center, MS

Design consisted of replacing existing compressed air system with new system utilizing energy efficient variable speed screw compressors and aluminum piping.

Tulane University - Biloxi Campus – Biloxi, MS

Coordinated with building HVAC system commissioning agent to ensure proper chilled water and VAV air handler system performance. Provided submission of HVAC and plumbing system information to USGBC to secure building LEED Gold certification.

Tilted Kilt Restaurant –Gonzales, LA

Design of restaurant HVAC system using VFR DX heat pump systems with DOAS. Design of building plumbing systems.

Previous Experience

Mechanical Engineer Project Manager Huseman and Associates

ABP – SouthWest Pass, LA

Project manager for renovation of an offshore housing facility. Design, coordinated and produced construction document to install HVAC to mitigate severe moisture infiltration of facility. System design consisted of VRF DX systems with DOAS.

Holy Cross Redevelopment – New Orleans, LA

Design of high efficiency building HVAC system using magnetic bearing chillers with VAV air handlers. Water for heating systems was designed utilizing solar collectors. Building systems were computer modeled prior to construction to ensure design would achieve Net Zero building certification

Xavier University – New Orleans, LA

Design of lecture classroom building HVAC using high efficiency split system DX units. Provided submission of HVAC and plumbing system information to USGBC to secure building LEED Silver certification.

Chris DeArmon, P.E.

Mechanical Engineering Lead/Project Manager (cont.)

Jefferson Parish Fire Department – New Orleans, LA

Design of facility split system DX HVAC systems with DOAS. Provided submission of HVAC and plumbing system information to USGBC to secure building LEED Silver certification.

Mechanical Engineer Project Manager CDC Engineers

Kemira Laboratory – Mobile, AL

Design of HVAC systems for ventilation of laboratory facility. HVAC design consisted of cooling and heating using DX split systems.

ThyssenKrupp Central Laboratory – Mount Vernon, AL

Design of HVAC systems for ventilation of laboratory facility. HVAC design consisted of cooling and heating using DX rooftop systems.

Murphy High School Renovation – Mobile, AL

Design and construction support for high efficiency building HVAC systems using air cooled chillers with VAV air handlers. Provided design for all building plumbing systems.

Blount High School and Stadium – Mobile, AL

Design and construction support for building HVAC systems using 300 ton water cooled chillers, cooling towers, VAV air handlers and heating boilers. Provided design for all building plumbing systems.

Foley High School Athletic Facility – Mobile, AL

Design and construction support for indoor facility HVAC systems using packaged DX heat pump systems. Provided design for all building plumbing systems.

Mobile Infirmary Nuclear Medicine Laboratory Renovation – Mobile, AL

Design of facility HVAC systems utilizing existing chilled water and hot water plants. Provided design for all building plumbing systems.

Springhill Memorial Hospital – Mobile, AL

Design and construction support for new hot water plumbing system.

FEMA Tornado Shelter – University of Alabama, Tuscaloosa, AL

Design and construction support of tornado shelter HVAC system using split system DX units meeting all FEMA regulatory requirements.

Bookstore Addition – University of South Alabama, Mobile, AL

Design of facility HVAC systems utilizing existing chilled water and hot water plants. Provided design for all building plumbing systems.

Mobile County - Animal Shelter – Mobile, AL

Design of facility HVAC systems utilizing an air cooled chiller and VAV air handling units. Provided design for all building plumbing systems

Mobile Regional Airport Renovation – Mobile, AL

Design and construction support for replacement of air cooled chillers.

Mobile County - Metro Jail – Mobile, AL

Design and construction support of dining building HVAC utilizing a DOAS rooftop DX system. Provided design for all building plumbing systems

Mobile County - License Commissioner Office – Mobile, AL

Design of facility HVAC systems utilizing an air cooled chiller and VAV air handling units. Provided design for all building plumbing systems



CONSULTING ENGINEERS
CREATING SOLUTIONS



Professional Experience

Mississippi Power Company -
Cooperative Engineering Intern

March 1993 - August 1995

Worked with power company, plant engineers on various construction projects with multiple subcontractors for plant projects. During in-school terms, worked with plant operations shift workers and instrumentation technicians on various plant projects.

Responsibilities:

- Assign work orders
- Assist engineers/operators with test reports and contracts
- AutoCAD and project documentation control

Canon Engineering, LLC -
Electrical Project Engineer

December 1995 - December 1997

Performed electrical design on various projects including educational facilities, office buildings, doctors offices, banks, ball fields, and hotels. Work included electrical design, specifications, and computer aided drafting of various projects.

Responsibilities:

- Lighting, power, fire alarm, communications, systems design
- Electrical lighting and demand load calculations
- Code compliance
- AutoCAD and project documentation control

Haynes Electric Company, Inc. -
Vice President, Engineering

December 1997 - August 2008

Worked as Vice President of the company. Tasks included overseeing project management and installations, coordination of project estimates and bidding, permitting, and project procurement. Assigned with complete responsibility of all electrical design-build projects including casinos, high-rise structures, parking garages, entertainment venues, industrial processing plants, and ball fields.

Responsibilities:

- Lighting, power, fire alarm, communications, systems design
- Electrical lighting and demand load calculations
- Code compliance
- Project and Labor Management
- Material Procurement
- AutoCAD and project documentation control

Welcon Electrical Consultants, PLLC -
Owner/President

August 2008 - Present

Owner and principal engineer of the company. Tasks include overseeing project design and project management of electrical installations. Assigned with complete responsibility of all electrical design projects including office buildings, retail developments, educational facilities, financial institutions, medical/hospital facilities, religious facilities, ball fields, casino developments, high-rise structures, parking garages, hotels, marinas, and waterfront developments.

Responsibilities:

- Lighting, power, fire alarm, communications, systems design
- Electrical lighting and demand load calculations
- Code compliance
- Project Management
- Business Development
- AutoCAD and project documentation control

Professional Profile

Electrical Engineer with extensive experience in commercial and light industrial electrical, fire alarm, and communications design. Background includes work as a design professional with engineering firms and electrical contractors, with knowledge of project management, installation, scheduling, estimating, construction and labor costs, and project feasibility as related to the design intent.

Personal Profile

Mississippi Gulf Coast native with over twenty years experience in the electrical industry working with local utility companies, architects, design/consulting firms, and electrical contractors.

Education and Licenses

UNIVERSITY OF SOUTH ALABAMA - Mobile, Alabama
Bachelor of Science - Electrical Engineering, 1995

State of Mississippi – Professional Engineer License #15175

State of Alabama – Professional Engineer License #33359

State of Louisiana – Professional Engineer License #39721

State of Florida – Professional Engineer License #80046

National Council of Examiners for Engineering and Surveying License #55214

References

Mr. John Stolarski – Principal
Allred Architectural Group
628 Washington Avenue - Suite C
Ocean Springs, MS 39564
228.762.1975
john@allredarchitecturalgroup.com

Mr. David Hardy – Principal
Eley, Guild, Hardy Architects
1091 Tommy Munro Drive
Biloxi, Mississippi 39532
228.594.2323
dhardy@egh.ms

Mr. David Allen – President
All South Electric
21042 Daugherty Road
Long Beach, MS 39560
228.452.2262
allsouth@cableone.net

Mr. Casey Weaver – President
Weaver Electric
10194 Lorraine Rd Ste I-B
Gulfport, Mississippi 39503
228.265.7740
cweaver@weaverelectric.us

G. Thomas Dunlap

Principal

Background. Mr. Dunlap has worked on a variety of projects in geotechnical engineering for over 25 years. These projects include buildings, roadways, railway bridges, aviation facilities, wastewater and water treatment facilities, dams, river levees, amusement parks, power plants, electricity substations and transmission lines, commercial and industrial facilities. He has a wide range of general geotechnical experience over geographical regions throughout the United States and in areas outside the U.S. such as Mexico, Central America, the Middle East and Spain.

Experience. Aspects of geotechnical engineering that Mr. Dunlap has been responsible for include supervising and coordinating subsurface, groundwater and borrow site investigations and special instrumentation studies, geotechnical data evaluation and design, preparation of geotechnical reports and specifications, and foundation and earthwork testing and inspection. He takes advantage of his geology educational background in all projects by relating geology aspects of a site to geotechnical engineering design issues and has personally conducted subsurface and groundwater field investigations. Other specific geotechnical related knowledge that Mr. Dunlap possesses is with rock excavation and mining, tunneling, braced excavations, sheeting and shoring, geophysical studies, basic dewatering and groundwater studies, and soil modification studies.

Buildings. Mr. Dunlap has considerable experience as project manager and primary geotechnical design engineer on numerous commercial, public and private buildings of various sizes and types. Buildings he has provided geotechnical evaluation and recommendations on have included large residential homes, churches, single-story and multi-story motels, apartment complexes, small office buildings, multi-story office buildings and government buildings, manufacturing and industrial buildings and warehouses, large retail buildings and shopping malls, casino buildings, schools, assisted living and retirement homes, hospitals, etc. Mr. Dunlap has provided geotechnical recommendations for a variety of foundation types and special earthwork to address a variety of subgrade soil conditions. Foundation types have included slab-on-grade, monolithic slab and grade beam, conventional foundations, strip and spot footing foundation systems with a separate slab-on-grade, drilled shaft foundations, bell-bottom pier foundations, auger cast piling foundations, driven concrete and/or steel piling foundations etc. He has addressed various soil conditions including expansive soils, weak and



Education

University of Mississippi, M.S.,
1990 – Civil Engineer
University of Mississippi, B.S.,
1989 – Civil Engineer
University of Mississippi, B.S.,
1988 – Geology

Professional Registrations

Professional Engineer:
Mississippi, Missouri,
Tennessee

Professional Geologist:
Missouri

Affiliations

American Society of Civil
Engineers

National Society of
Professional Engineers

Association of Engineering
Geologists

American Council of
Engineering Companies

American Railway Engineering
& Maintenance of Way
Association

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compressible soils, rock and corrosive soils with regard to foundation design and special earthwork requirements.

Industrial/Manufacturing. Mr. Dunlap has considerable experience as project manager and primary geotechnical design engineer and geologist on numerous industrial and manufacturing buildings of various sizes and types. Buildings he has provided geotechnical evaluation and recommendations on have included large single-level and multi-level structures. Mr. Dunlap has provided geotechnical recommendations for a variety of foundation types and special earthwork to address a variety of subgrade soil conditions. Foundation types have included slab-on-grade, monolithic slab and grade beam, conventional foundations, strip and spot footing foundation systems with a separate slab-on-grade, drilled shaft foundations, bell-bottom pier foundations, auger cast piling foundations, driven concrete and/or steel piling foundations, etc. He has addressed various soil conditions including expansive soils, weak and compressible soils, rock and corrosive soils with regard to foundation design and special earthwork requirements. Representative projects have included Generating Station in Haywood County, Tennessee, Nissan manufacturing plant in Canton, Mississippi; Moselle Generating Station in Jones County, Mississippi; Cataphote in Flowood, Mississippi; Koch Foods in Morton, Mississippi; Tyson Processing in Canton, Mississippi; and Automotive Megasite, Schulz Tube Mill, and GreenTech Automotive in Tunica County, Mississippi.

Seismic. Mr. Dunlap has evaluated various seismic design issues on a variety of projects as part of the geotechnical investigation. These issues include determination of site design acceleration coefficients from the Standard Building Code (SBC) in some past cases and currently the International Building Code (IBC), and other related code versions. Mr. Dunlap has a knowledge of the probability based maps such as those through the USGS by Algermissen, liquefaction potential analysis using computer program LIQUIFY2 and from evaluation utilizing USGS Open-File Report 85-457 "Estimation of Earthquake Effects Associated with Large Earthquakes in the New Madrid Seismic Zone", evaluation of liquefaction effects and horizontal acceleration derived forces on deep foundation piling and piers, retaining/subgrade walls, various slopes/embankments, and landfills. He has assisted structural engineers on seismic design issues considering the more recent methodology, Normalized Response Spectra, which considers serviceability, ultimate load and surviveability, similar to the methodology presented in AREMA's "Seismic Design for Railway Structures." He has provided seismic design for various projects in and around the New Madrid Fault Zone and other seismically active areas including power plant and levee embankment projects in southeast Missouri and west Tennessee, highway bridge projects in northwest Mississippi, water tank and substation projects in north Mississippi and building and embankment projects in Alabama.

Client Reference

Governmental Facilities

**Mr. Roy Gill, Superintendent
Harrison County School District
11072 Highway 49
Gulfport, MS 39503
(228) 539-6500**

**Mr. Henry Arledge, Past Superintendent
Harrison County School District
20315 Hwy. 49
Saucier, MS 39574
(228) 323-3932**

**Mr. Larry Benefield, Director of Transportation / Construction
Harrison County School District
11072 Highway 49
Gulfport, MS 39503
(228) 539-6500**

**Mr. Jeff Jennings, RCDD, DCDC, PMP, Data Center Infrastructure Manager
MS Department of Information Technology Services
3771 Eastwood Drive
Jackson, MS 39211
(601) 432-8041**

**Mrs. Darla Jordan, MEMA
MEMA, Mitigation Specialist
220 Popp's Ferry Road
Biloxi, MS 39531
(228) 594-3135**

Other Facilities

**Mr. Terry Varner, Administrator
Yalobusha General Hospital & Nursing Home
P.O. Box 728
Water Valley, MS 38965
(662) 473-1411**

**Mr. Randall Cobb, Director of Facilities
Singing River Health Systems
2809 Denny Avenue
Pascagoula, MS 39581
(228) 809-5464**

**Mr. Kevin Holland, CEO
Singing River Health Systems
2809 Denny Avenue
Pascagoula, MS 39581
(228) 809-5000**

**Mr. Chad Kitchens, Market Director of Facilities Management and Engineering
Merit Health System
1030 River Oaks Drive
Flowood, MS 39232
(601) 936-1103**

There have been NO terminated services.

Explain your General Liability Insurance coverage.

Hub International –	General Aggregate	\$ 2,000,000
	Products & Completed Operations Agg.	\$ 2,000,000
	Each Occurrence	\$ 1,000,000
	Medical Expense	\$ 10,000
	Personal & Adv. Injury	\$ 1,000,000
	Tenants Legal Liability	\$ 1,000,000

Explain your Professional Liability Insurance coverage.

Hub International – XL Specialty Insurance Company		
	Each Claim	\$ 1,000,000
	Each Policy Year Aggregate	\$ 1,000,000
	Deductible per claim	\$ 10,000

Estimated Time to Complete Each Phase

Programming	3 Weeks
Schematic Design	3 Weeks
Design Development	4 Weeks
Construction Documents	6 Weeks
Bid Negotiations	6 Weeks
Construction Administration	TBD