OWNER
The State of Louisiana
Division of Administration (FP&C) Facility Planning & Control

SPEAKER BIO
Thomas W. Rish, Architect
Registered in LA, MO
37 years as Architect
Project Director
Facility Planning & Control

SPECIALIZATIONS
Healthcare
Education
Project Team

UNIVERSITY MEDICAL CENTER
Katrina did not make the decision to replace Charity Hospital but, she did provide a timeline.
Pre Acquisition & Demolition
Factoids:

- 30 Acres
- 194 Parcels
- 23 Months for Acquisition, Demolition, Clearing and Transfer
Factoids:

37 Acres
244 Parcels
30 Months for Acquisition, Demolition, Clearing and Transfer
Archeological Findings

Factoids:
- Earth Search- Specialty Contractor
- Over 900 Boxes of Recorded Artifacts
- Photographed & Categorized
- Warehoused for later use
- Interpretive Display of Artifacts
Archeological Findings
Post Acquisition & Demolition
Pallas Hotel Steel Columns Cut For Blasting Preparation

Factoids:
CDI – Controlled Demolition Inc
Within 50’ of Interstate I-10
400 Small Charges Placed
15 sec for total implosion
McDonogh No. 11 School Preparation

Factoids:

1879 Historical Structure

Wood Frame Masonry Constructed on 5’ Thick Corbelled Masonry Foundation

Est. Moving Weight 2M Pounds

Actual Moving Weight 3M Pounds
McDonogh No. 11 School on Dollies
Removing Unsuitable Soils
Mandrel Insert Wicks 40’ Deep
Installed Wicks with Drainage Leaders
Surcharging the Site

**Factoids:**

- 270,000 CY of Sand Hauled In
- 13,500 Dump Trucks
- 2,468,430 LF of Vertical Wick Material Installed
- 129,302 LF of Horizontal Wick Material Installed
Factoids:

All critical functions located above the ground floor

Ground floor consist of non-critical functions

Design to maintain hospital operation for 7 days

Total SF 2,315,726
Current State of Construction – Jan 1, 2014
What a Difference a Year Makes

DEC 1, 2012

DEC 1, 2013
The UMC project is unique in that the 3D model is a project deliverable. Included in the deliverable requirement are embedded data elements and spreadsheets of non-modeled elements that can be incorporated into the Facility Management program. Prefabrication was incorporated into the project to support a construction schedule reduced from 36 to 31 months.
Practice of assembling building components in a factory, warehouse space or a manufacturing site, and transporting complete assemblies or sub-assemblies to the construction site for installation. Primarily focusing MEP Racks, Bathroom Pods, Headwalls, Mechanical Chases, Electrical Rooms, Plant Room Skids.
Value of the Virtual Build

- Verifies planned elements/systems will fit into provided space
- Identifies conflicts between systems prior to construction
- Mitigates risks to budget and schedule from unforeseen conflicts
- Opportunity to verify adequate maintenance space is provided
- Supports prefabrication resulting in enhanced quality and improved safety
Electronic Documents and Control

Drawing and Specification information is updated one time, in one place, and is accessible to the entire project team.

Subcontractors are provided electronic access to current documents containing RFI hyperlinks and all drawing revisions.

The system provides a document revision history for reference.

# of Drawings – 8,532
Patient View From End Of Corridor – Patient Tower L6
Typical Patient Corridor
Visitor Waiting In Patient Tower Lobby
Typical Visitor Elevator Lobby at Patient Towers
Conference Room (Surgery) – D&T L4
Pre/ Post Op Corridor – D&T L4
Nursing Station in Pre/ Post Opp Suite – D&T L4
Typical Room in Pre/ Post Opp Suite – D&T L4
Typical Room in Pre/ Post Opp Suite – D&T L4
Nurse Alcove In Pre/ Post Opp – D&T L4
OP (Outpatient) OR – D&T L4
Exam Treatment Area In The ER Dept. – D&T L2
Completed Exam Room in ER Dept. – D&T L4
Triage Rooms Off ED Lobby Waiting – D&T L2
Entry Pavilion Between ACB AND D&T
Terrazzo Being Installed in ACB L5
Entry Pavilion Between ACB And D&T
Level 1 Department Adjacencies

- oncology
- administration
- retail
- conference center
- cafeteria
- support
- entry
- pastoral care
- patient access
- cafe
- admin
- registr
- pharmacy
- clinic
- support
Level 5 Department Adjacencies

- Clinic A
- Clinic B
- Clinic C
- Medical/surgical
- Medical/surgical
- Medical/surgical
- Support
- CTRC & Inpatient clinic
- Clinical laboratory
- Pharmacy
- Support
Level 6 Department Adjacencies

- Medical/Surgical
- Medical/Surgical
- Medical/Surgical
- Mechanical Level
- Mechanical Level
- Mechanical Level