ENHANCED INTEGRATION:
Connecting the Disjointed Healthcare AEC/O Lifecycle
Delivering the Promise
P.D.C.O.M.M. - Connecting the Dots
Enhanced Integration!
5th Largest Catholic HealthCare System

40,000 Employees

35 Hospital Facilities

25+ Million Sq.Ft. Managed Facilities

4th Largest Integrated Physician Org.

12,000 Other Clinical Providers

9.2 Million Outpatient / Office Visit

21,000 Primary / Specialty Care Physicians
Primary Service Areas:

Missouri
Oklahoma
Arkansas
Kansas
"We are the people of Mercy Health Ministry. Together, we are pioneering a new model of care. We will relentlessly pursue our goal to get health care right. Everywhere and every way that Mercy serves, we will deliver a transformative health experience."
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LEVERAGING TECHNOLOGY

Revolutionize!

Increase Success!

Save Time & Money!
Revolutionize!
Save Time & Money!
Increase Success!
INNOVATIVE TECHNOLOGIES

Leverage Creativity

Visualize Environments

Build Before We Build
Virtual Environments

Increase Efficiency
Life-Cycle Asset Tracking
Leverage Creativity

Visualize Environments
Build Before We Build

Virtual Environments
Increase Efficiency

Life-Cycle Asset Tracking
Mercy Hospital Jefferson
Main Entrance to Inpatient Tower patient experience walkthrough
December 8th, 2015
DESIGN TECHNOLOGIES

"Build Before We Build"
CONSTRUCTION TECHNOLOGIES

"Measure Twice. Cut Once!"
TYPICAL BIM PROCESS

Disjointed - information breakdown
LIFE-CYCLE BIM EXECUTION PLAN

Clear Goals & Responsibilities

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>GOAL</th>
<th>DESCRIPTION</th>
<th>PROSFV (L)</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Streamline the process</td>
<td>Improve hand offs, design, documentation, and fabrication</td>
<td>1</td>
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<tr>
<td>2</td>
<td>Design Analysis</td>
<td>Use the 3D model to analyze applicable building aspects (including structure and finishes) in order to produce pre-construction and construction estimates and provide the most efficient and productive site layout.</td>
<td>3</td>
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<td>3</td>
<td>Basic for Renderings and Walk Through</td>
<td>Communicate to other teams in 3D to establish reuse and new build capabilities.</td>
<td>1</td>
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<tr>
<td>4</td>
<td>Coordination/ Clash Detection</td>
<td>Integrate various clash detection throughout design.</td>
<td>1</td>
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<tr>
<td>5</td>
<td>Reduce 2D drawings where possible</td>
<td>Dimension from model instead of paper.</td>
<td>1</td>
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<tr>
<td>6</td>
<td>Material/Element Schedules</td>
<td>Improve coordination efficiency for material and element Schedules where there is a high value of material integration.</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Room by room equipment</td>
<td>Track and categorize equipment: (1) requires hoist up; (2) wall mounted.</td>
<td>1</td>
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<tr>
<td>8</td>
<td>Above Ceiling and Inwall Head</td>
<td>Coordination fully coordinate all ceiling and in-wall systems to identify and resolve all conflicts and provide detailed electrical for all equipment being post- installation.</td>
<td>2</td>
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</tbody>
</table>
DESIGN COORDINATION & ISSUE TRACKING
OFF-SITE PREFABRICATION
MULTI-TRADE RACKING

LABORATORY CORE WALLS
LABORATORY CORE WALLS
USABLE DELIVERABLE!
HOW SUPPORT OPERATIONS WORK TODAY:

Four Rivers TMS (Facilities & Maintenance)
AIMS (Clinical Engineering)
ATG (Planning, Design & Construction)
FM Systems (Real Estate)
Service NOW (Mercy Technology Services)
IMPROVED SUPPORT OPERATIONS WORKFLOW:

Single Database & Platform!
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ENHANCED INTEGRATION
Improved Process!

P.L.C.O.M.M. - Connecting the Dots
ENHANCED INTEGRATION
Improved Process!

P.L.C.O.M.M. - Connecting the Dots
MERCY BRANSON - MULTI-SPECIALTY CLINIC (BRANSON, MO)
FEDERATED MODEL & DATA
DATA-RICH CONTENT
EXISTING FACILITIES 2D CAD DATA
EXISTING FACILITIES 2D CAD DATA
Mercy Hospital Jefferson Schedule Savings

These schedules represent estimated durations for the Mercy Jefferson Patient Tower comparing a traditional CM-at-Risk delivery, the integrative approach used on the Joplin Replacement Hospital, and the enhanced integrated practices currently being utilized in MHJ.
BATESFORUM is here to provide a customized solution for any number of eclectic obstacles.

Testimonials

McCarthy Construction
“What we are doing here is industry leading. It will give us a better design deliverable to build from, and directly add value to Mercy operations downstream.”

-Mike Stapf
Vice President of Design integration

Autodesk
“We are impressed by your enthusiasm and energy in expressing the story of BatesForum’s use of Technology.”

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