

# **REPLACEMENT CLINICAL TOWER BALTIMORE, MARYLAND**

## **PROJECT TEAM**

OWNER: MERCY HEALTH SERVICES  
CONTRACTOR: WHITING-TURNER  
CONTRACTING COMPANY  
CONSTRUCTION ADMINISTRATION : ELLERBE  
BECKET  
ARCHITECT: ELLERBE BECKET  
MEP: ELLERBE BECKET  
STRUCTURAL ENGINEER: ELLERBE BECKET

## **ARCHITECTURE**

- THE BUILDING WILL BE PRECAST WITH A BRICK VENEER AND A GLASS CURTAIN WALL.
- THE DESIGN IS A MODERN TAKE ON THE PREVIOUSLY BUILT FACILITIES.
- THE HOSPITAL WILL UTILIZE 2 BRIDGE CONNECTIONS FOR PATIENT AND VISITOR ACCESS.

## **STRUCTURAL**

- SLAB ON GRADE WILL BE 6" THICK WITH WATERPROOFING, OVER A 2" MUD SLAB: UNDERNEATH WILL BE WELDED WIRE FABRIC PLACED ON TOP OF A 6" LAYER OF CRUSHED STONE, AND A 10 MIL THICK VAPOR BARRIER.
- FOUNDATION IS TO BE DRILLED SHAFT, WITH AN ALLOWABLE BEARING CAPACITY OF 130 KSF.

## **MECHANICAL**

- CHILLED WATER SYSTEM AND STEAM SYSTEM TO BE INSTALLED
- CHILLED WATER WILL BE PURCHASED FROM COMFORT LINK
- 23 AHU'S WILL BE USED FOR THE HOSPITAL, LOCATED IN TWO MECHANICAL ROOMS.



## **BUILDING INFORMATION**

- BUILDING NAME: MERCY HEALTH SERVICES
- LOCATION: BALTIMORE, MARYLAND
- SIZE: 681,265 SQ. FT
- CONSTRUCTION DATES: MAY 2007- DEC. 2010
- COST: 219,812,043
- DELIVERY: GMP/COST PLUS FEE

## **ELECTRICAL / LIGHTING**

- 480/277V THREE PHASE SYSTEM
- THE SYSTEM WILL BE USED TO FEED NEW TOWER AS WELL AS THE MECHANICAL LOADS AND BUILDING LOADS.
- EXTERIOR AND INTERIOR LIGHTING WILL BE ENERGY SAVING 3000KELVIN T5 AND T5HO COMPACT FLUORESCENT.
- EXTERIOR LIGHTING WILL BE CONTROLLED BY ASTRONOMIC TIME CLOCKS 365 DAYS A YEAR.