Franklin Square Hospital

Patient Tower Addition

Baltimore, MD

Building Statistics

SIZE: *356,000 SQ. FT.*
HEIGHT: *7 STORIES-105' T/STEEL*
OCCUPANCY: *HOSPITAL*
DATES OF CONSTRUCTION: *NOV.2007 - JUNE 2010*
COST: *$119 MILLION*
DELIVERY METHOD: *CM @ RISK*

Project Team

OWNER:*FRANKLIN SQUARE HOSPITAL*
ARCHITECT: *WILMOT/SANZ INC.*
MEP ENGINEER: *LEACH WALLACE ASSOCIATES*
STRUCTURAL ENGINEER: *RATHGEBER/GOSS ASSOCIATES*
CIVIL ENGINEER: *DEWBERRY AND DAVIS*
CONSTRUCTION MANAGER: *BOVIS LAND LEASE*

Architecture

EXPOSED CONCRETE PRE-CAST PANELS ON FIRST 2 STORIES AND PENTHOUSE

PRECAST PANELS WITH BRICK VENEER ON THE REST OF THE FACADE

TWO STORY ATRIUM WITH CURTAINWALL

2' CONCRETE TRIM AT EACH FLOOR LINE

1.5" DEEP, WIDE RIB, 20 GAGE GALVANIZED METAL DECK COVERS THE ROOF

MEP Systems

- *480Y/277V, 3 PHASE, 4 WIRE SYSTEM WITH 15 TRANSFORMERS TO REDUCE TO 208Y/120V*
- *AN EMERGENCY CIRCUIT RUNS THROUGHOUT THE BUILDING*
- *SEPERATE CENTRAL PLANT SYSTEM WITH VARIABLE PERCENTAGE OF OUDOOR AIR*
- *FLUORESCENT LIGHTING*

Structural System

MOSTLY CONCRETE BUILDING EXCEPT FOR CANOPY BEING STEEL
TYPICAL BAY: *30'X30'*
FOUNDATION SYSTEM: *DRILLED CAISSONS 4' IN DIAMETER GRADE BEAMS 24"X24" SPREAD FOOTINGS UNDER CANOPY. 12" FOUNDATION WALL*
FLOOR SYSTEM: *10" CONCRETE SLAB WITH 3 1/4" LIGHTWEIGHT CONCRETE OVER 2" COMPOSITE METAL DECK.*
ROOF SYSTEM: *1.5" DEEP WIDE RIB 20 GAGE GALVANIZED METAL DECK*

Nicole R. Lucas
Structural Option
www.engr.psu.edu/ae/thesis/portfolios/2009/nrl5000