

MONONGALIA GENERAL HOSPITAL'S HAZEL RUBY MCQUAIN TOWER

1200 JD ANDERSON DR.
MORGANTOWN, WV 26505



PROJECT TEAM

OWNER: MONONGALIA GENERAL HOSPITAL
ARCHITECT: FREEMANWHITE, INC.
CM: TURNER CONSTRUCTION COMPANY
STRUCTURAL: ATLANTIC ENGINEERING SERVICE
CIVIL: ALPHA ASSOCIATES, INC.
MEP: FREEMANWHITE, INC.

PROJECT OVERVIEW

- EXISTING BUILDING RENOVATIONS: 95,000 SF
- TOWER ADDITION: 210,000 SF
- 4 STORIES ABOVE GRADE, 1 STORY BELOW GRADE
- TOTAL PROJECT COST: \$92 MILLION
- PROJECT DELIVERY METHOD: DESIGN BUILD
- ADDITION OF 88 NEW PATIENT ROOMS



STRUCTURAL

- CONCRETE SPREAD FOOTINGS SUPPORTING CAST IN PLACE REINFORCED CONCRETE COLUMNS
- FIRST FLOOR: 5" SLAB ON GRADE WITH 6X6 W.W.F.
- LEVELS 2-ROOF: 8" FLAT SLAB WITH DROP PANELS
- 14" CAST IN PLACE BASEMENT(FIRST FLOOR) WALLS
- RED BRICK FAÇADE WITH METAL STUD BACK-UP
- COMBINATION EPDM BALLASTED ROOF SYSTEM & FULLY ADHERED ROOF SYSTEM

MECHANICAL AND ELECTRICAL

- NEW CENTRAL UTILITIES PLANT
- 7-VARIABLE AIR VOLUME ROOFTOP UNITS
- 2-500 TON, 1500GPM COOLING TOWERS
- 2-500 TON WATER-COOLED CHILLERS
- 480V, 5000A MAIN SWITCHBOARD
- 2-1500KW BACKUP GENERATORS SUPPLIED THROUGH 1-480V, 8000A SWITCHGEAR



CARMEN A. BRUTICO III

CONSTRUCTION MANAGEMENT

[HTTP://WWW.ENGR.PSU.EDU/AE/THESIS/PORTFOLIOS/2009/CAB5001/](http://www.engr.psu.edu/ae/thesis/portfolios/2009/CAB5001/)