

SAINT ELIZABETH'S NEW PSYCHIATRIC HOSPITAL

PROJECT TEAM

- owner: government of the district of columbia
- department of mental health
- qc: tompkins construction co.
- architect/ engineer: einhorn, yafee, prescott
- cm: qilbane building co.

PROJECT OVERVIEW

- function: psychiatric hospital
- location: 2700 martin luther king, jr. avenue
- washington, dc 20032
- occupant: the department of mental health
- cost: \$140m

ARCHITECTURAL FEATURES

- 440,000 sq. ft.
- two stories with attic mechanical levels
- high security design
- separate forensic and civil wings
- weapon proof material usage
- brick Veneer facades
- 28,094 sf of green roof

STRUCTURAL SYSTEM

- load bearing geopiers
- structural concrete footings and s.o.g.
- grouted cmu load bearing exterior walls
- structural steel columns and beams
- composite deck and slab for intermediate floors and roof
- concrete 4,822 cu
- reinforcing steel 970 tons
- standard bricks 1,700,000 units
- cinder block 1,000,000 units

MECHANICAL SYSTEM

- Central mechanical plant
- natural gas fired heating system
- constant volume forced air with v.a.v. reheat
- 2-700 ton chillers
- two dual fuel water tube hot water boilers

ELECTRICAL SYSTEM

- distribution system: 13.2 kV, 3-phase, 3 wire
- high security video monitoring devices
- 4 -4000 amp switchgear
- generator ~ 2 units



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