The Harry and Jeanette Weinberg Center

at Mercy Hospital



Architecture

Use: Medical Office Building providing

Outpatient Services

Stories: Six above grade, 1 below Facade: Brick and glass curtain wall Roof: Insulated metal deck with tar and

gravel surface

Features: -Drive through patient drop off with access to parking garage -Elevated walkway allows access to Mercy Medical Center across E. Saratoga Street

> -An RTKL designed leaf motif on the glass corner.



Mechanical System

Fire Suppression: Wet pipe sprinklers

HVAC System: -Steam is purchaced from Trigen, Chilled Water is purchaced

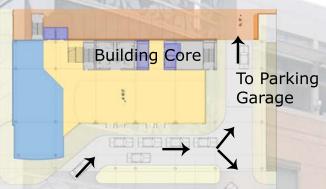
from ComfortLink

-Steam/Chilled Water is distributed to air handling units located on each floor in the Building Core -Variable Air Volume boxed

distribute hot/cold air as needed

Project Information Location - Baltimore, MD Owner - Mercy Medical Center Architect - RTKL Engineer Structural - RTKL

MEP - RMF Engineering Inc. General Contractor - Harkins Builders



St. Paul Place

Structural System

Type: Structural steel frame with slabon-deck flooring utilizing composite beam action

Foundation: -Caissons that bear on bedrock

-A few spread footings

-Retaining wall system

Lateral Force System: 3 braced frames that enclose the building core Features: -Lower level framing carries

> some lateral earth pressure -Drive through is supported by

steel beams

Electrical/Lighting Systems

Main Power: 13,000 Volt Dry Transformer provides The Weinberg Center with power

Lighting is run on 277 Volt grid Motors are run on a 480 Volt grid Emergency Generators provide power to building/elevators in case of a blackout

Kevin Clouser - Structural Option

www.arche.psu.edu/thesis/eportfolio/2007/portfolios/KDC153