

PROJECT TEAM

Owner: University Hospitals, Case Medical Center
Construction Manager: Gilbane
Developer: Still researching
Architect: Cannon Design
Structural Engineer: Cannon Design
Lighting Consultant: Cannon Design
MEP Consultant: Cannon Design

ARCHITECTURAL DESIGN

- 9 story, 370,230 SF Cancer Hospital located on the University Hospitals Case Medical Center in Cleveland, Ohio
- Of the 92,000 SF of curtain wall, the entire east and west elevation constructed using a custom sloped – wall system
- A universal grid system consisting of 31'-6" modular bays has been incorporated into design to optimize floor space for varying use
- Roof system consists of sealed PVC assembly enveloping a 6-1/4" thick composite steel deck



STRUCTURAL SYSTEM

- Steel infrastructure consisting of composite beams and slabs
- Foundation consists of drilled piers transferring load to 3000psi caissons
- Concentrically braced "chevron" frames resist lateral loads controlled by wind

MECHANICAL SYSTEM

- Variable Air Volume System System
- 7 air handling units supplying between 15,000 and 60,000 cubic feet per minute to seven different designated building zones
- Hydronic Radiant Floor and Snow Melt System

ELECTRICAL SYSTEM

- 277/480V, 3 Phase, 4 Wire System for supplying mechanical and high powered research equipment
- 120/208V, 3 Phase, 4 Wire System for used by equipment requiring only standard loads
- Two 1200A bus duct risers

