

Institutional



Vanderbilt University Medical Research Building III Nashville, Tennessee

Medical Research

The Medical Research Building III on the medical campus of Vanderbilt University is an example of the merging of physical needs and restrictions with striking architecture. This building had to be constructed in a very congested location, and over an operational shipping and receiving area.

Considering fire resistance and stiffness issues, Carpenter Wright Engineers designed post-tensioned concrete trusses to span over the dock area. These trusses support the entire weight of the multi-storied building above. The trusses are fully instrumented and are periodically monitored for performance. This unusual solution joins a very limited number of concrete trusses ever constructed in the United States.

This facility houses research and analytical laboratories, supported by a central data center.



Honorable Mention
2003 PTI Structure Awards Competition

Presidents Award, Institutional/Municipal Category
2004 Metal Architecture Annual Design Awards
Metal Construction Association

Architect: *William Wilson Associated Architects, Inc.*

CWE Design Offices:

**Nashville
Knoxville**