



**Northwestern Memorial
Hospital-
Prentice Women's Hospital**

Chicago, Illinois



The Hill Group served as the mechanical piping contractor for the new 17 story, 938,000 square foot hospital.

The project includes a refrigeration plant, steam generation plant, source equipment for numerous medical gas systems plus ancillary work associated with emergency power systems. The source equipment is on the 17th floor mechanical equipment room.

The refrigeration plant includes three - 1,130 ton chillers and a 420 ton variable speed water chiller. Variable speed cooling towers and variable speed pumping packages are also used.

Three - 600 boiler horsepower high pressure steam boilers with associated deaerators and surge receivers are used for the steam plant. Also included are five steam pressure reducing stations for the various hospital services, steam to hot water converters, steam condensate pumping packages, variable speed hot water pumping packages and steam to clean steam heat exchangers for humidification.

Medical gas systems include oxygen, vacuum, medical air, nitrogen, nitrous oxide, and a centralized airbourne evacuation system. Several system sources are piped thru underground tunnels from adjacent Northwestern Hospital facilities.

The emergency power systems include three - 2000 KW, 4160V emergency generators, fuel holding and fuel transfer systems.