

BUILDING OF THE YEAR: LONGTON MEDICAL FACILITY CARLISLE, PA



The hybrid structural system combines the advantages of a pre-engineered system and conventional steel framing. Second floor structure is conventional bar joist/metal deck; while the roof framing is a combination of pre-engineered frames and purlins with light-gauge metal trusses to form the hip roof.



Both barrel roofs are framed with a radius hot-rolled curved truss system. A continuous curved valley was framed and flashed where the barrel roof meets the main roof.



Special attention is given to the smallest details. Both curved gables are covered with dryvit in a butter-knifed fan pattern emanating from a raised keystone.



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This 13,235 sq.ft., two story medical facility was a challenging design/build project. The hybrid structural system and foundations are designed to accommodate sensitive medical equipment, and the materials used were chosen in order to satisfy a perfection-oriented owner.

The exterior walls are metal studs with brick and pre-cast concrete veneer. The entire roof system is standing seam metal. These materials were chosen for their durability, performance and aesthetic properties.



Attention to detail can also be seen in the stamped concrete at the main entrance below the drive-through canopy. A stamped brick herringbone pattern is used in conjunction with a circular keystone design.



Both barreled roofs are identical with their matching standing seam metal roofs and dryvit covered curved gables. Pre-cast concrete is used extensively throughout the exterior.



Special conditions, such as flashing the curved canopy roof to the brick and pre-cast concrete veneer, required special attention from the design phase through completion.