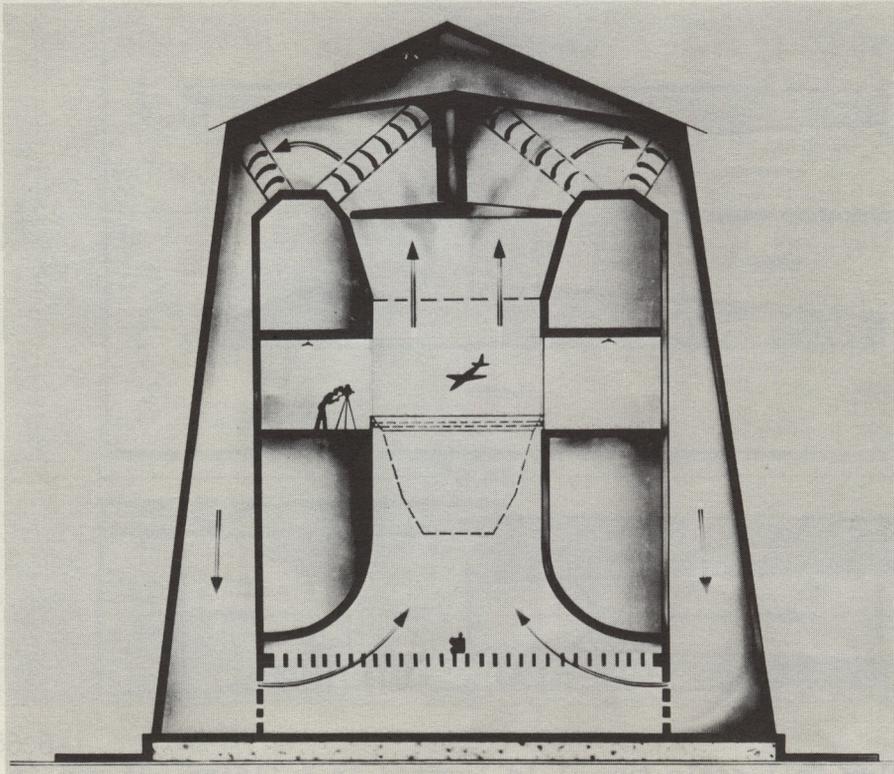


LANGLEY SPIN TUNNEL



L-86258

The Langley spin tunnel is located in Building 645 and is under the direction of the Flight Mechanics and Technology Division. This tunnel is used to investigate spin characteristics of dynamically scaled models. The test medium is air. The test section is vertical with 12 sides, 20 feet across the flats. The length of the vertical test section is 25 feet with a closed throat and annular return passage. Tunnel speed is variable from 0 to 90 fps with accelerations to 15 ft/sec^2 and decelerations to 25 ft/sec^2 . Stagnation pressure is atmospheric, turbulence factor is 2, and Reynolds number per foot is 0 to 0.62×10^6 .