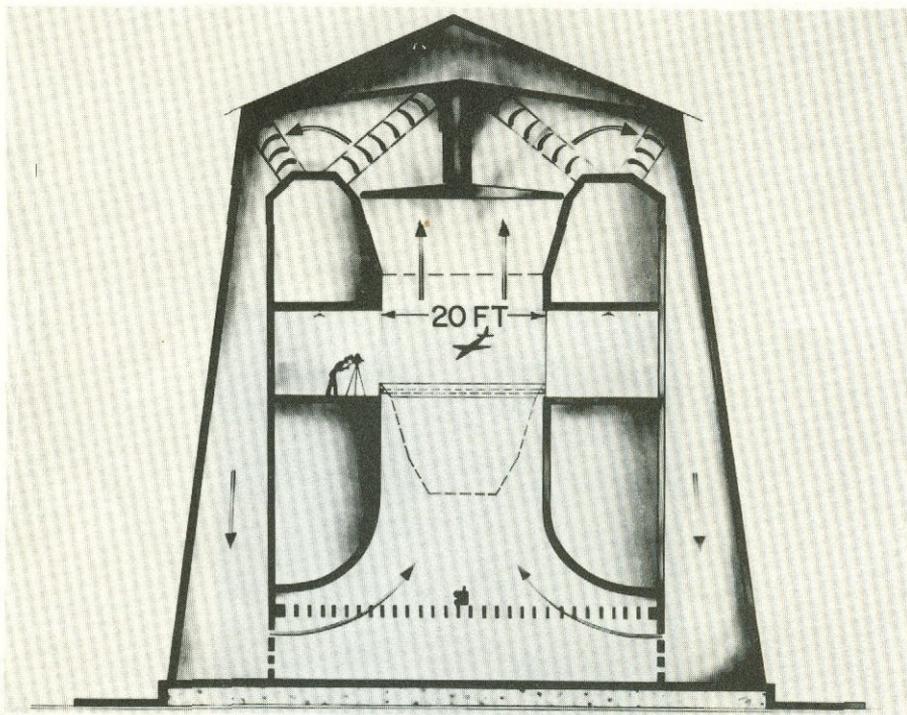


1. REPORTING INSTALLATION: Langley Research Center
Hampton, Virginia
2. FACILITY NAME: Spin Tunnel
3. LOCATION (if other than in 1. above): Same as 1.



4. FUNCTIONAL NAME: Wind Tunnel, Vertical Spin
5. TECHNOLOGICAL AREAS SUPPORTED: Investigate spin characteristics of aircraft and capsules, decelerators, and recovery devices in vertical descent.
6. NARRATIVE DESCRIPTION OF FACILITY CAPABILITIES & FUNCTIONS:
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 . The test medium is air.

Application - Aeronautics and Space

Category - Fluid Flow