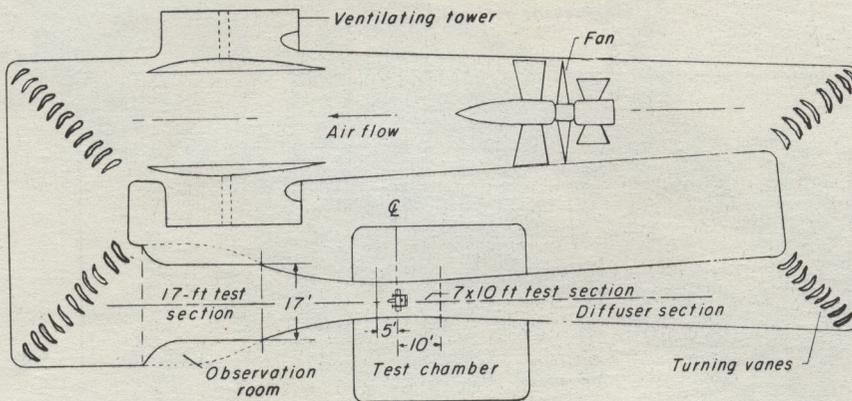


LANGLEY 300-MPH 7- BY 10-FOOT TUNNEL



The Langley 300-MPH 7- by 10-foot tunnel is located in Building 1212A and is under the direction of the Full-Scale Research Division.

7- BY 10-FOOT TEST SECTION: Speed is variable from 0 to 300 mph in this continuous-flow, fully closed test section. The stagnation pressure and temperature are atmospheric. The tunnel Reynolds number per foot ranges from 0 to 2.5×10^6 . Model support systems include semispan, sting, and strut. The test section is 15 feet long.

17-FOOT TEST SECTION: Speed is variable from 0 to 80 mph in this continuous-flow test section which is 17 feet wide and 15.8 feet high. A moving belt can be installed for ground-effects tests. Tunnel stagnation pressure and temperature are atmospheric. Tunnel Reynolds number per foot ranges from 0 to 0.7×10^6 . Model support systems include semispan and sting. Test section is 15 feet long. This section is designed to test V/STOL models through high angles of attack with minimum tunnel wall effects.