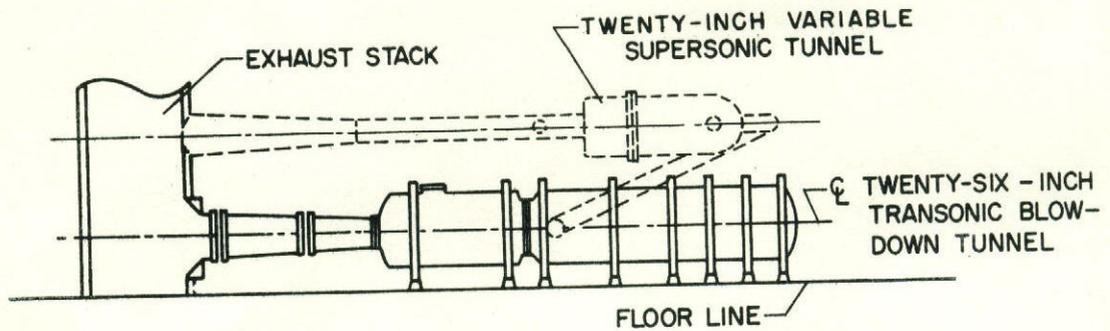


TWENTY-SIX-INCH TRANSONIC BLOWDOWN TUNNEL



Tunnel - Intermittent blowdown tunnel to atmosphere with independent control of Mach and Reynolds number; used primarily for flutter tests of models of aircraft components.
Octagonal test section: 26.4 inches across flats.

Models and Model Supports

Sting with circular arc strut; $\alpha = -9^\circ$ to $+12^\circ$, $\beta = 0^\circ$
Offset stings for increased α and limited β
Long fixed sting support for flutter investigations

Data

Mach Number	P_t (psia)	$R/ft \times 10^6$
0.5 through 1.35	25 - 70	2 - 24

Operational - October, 1950

Cost

<u>Fiscal Year</u>	<u>C of F</u>	<u>Project No.</u>
1949	\$134,743	896