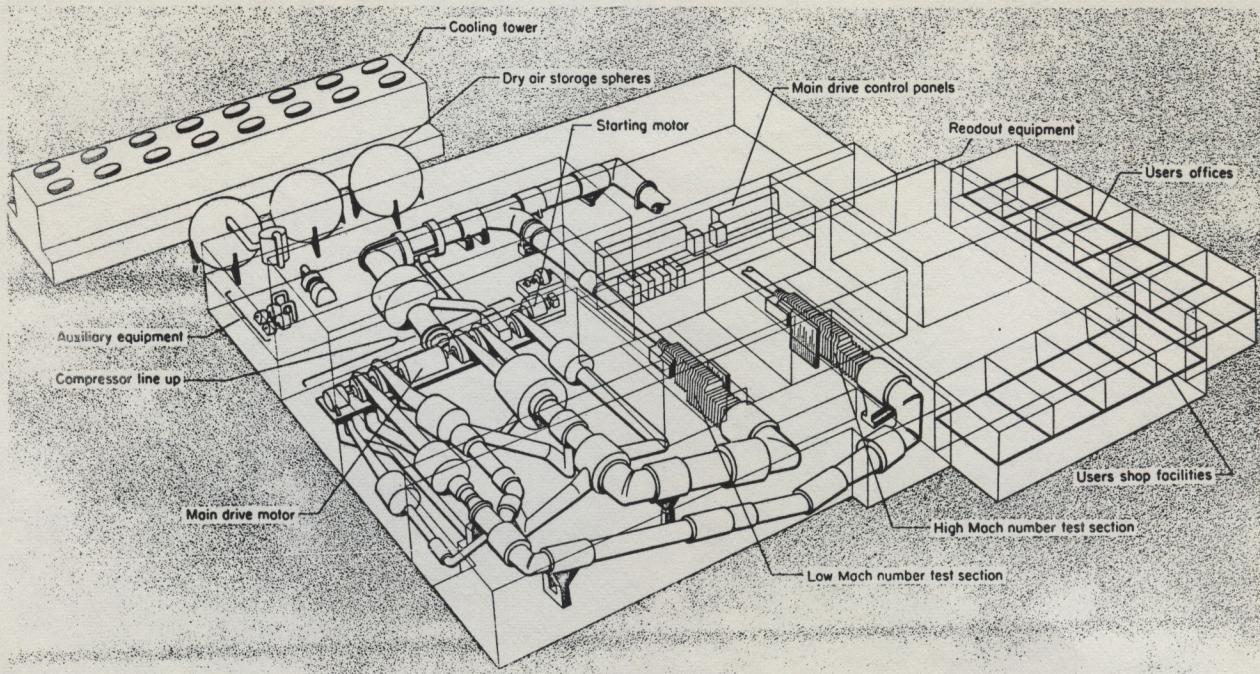


UNITARY PLAN WIND TUNNEL



Tunnel

Test Section Number 1

Mach number: 1.50 to 2.86

Stagnation pressure, psia: 31.0 to 46.5

Dynamic pressure, psf: 1907 to 1283

Reynolds number per foot (millions) 5.1 to 10.2

Tunnel

Test Section Number 2

Mach number: 2.29 to 4.63

Stagnation pressure, psia: 27.5 to 129.0

Dynamic pressure, psf: 765 to 1384

Reynolds number per foot (millions) 5.0 to 7.1

Test Section Number 1 and 2, feet: 4 x 4 x 7 long

Model and Model Supports

Wall to wall horizontal sting support, adjustable with variable cycle of attack.

Model length, inches: 36 to 40

Equipment: Centrifugal compressors electric motor driven.

Status: Operational August 1955.

Cost:

<u>Fiscal Year</u>	<u>R & D</u>	<u>C of F</u>	<u>Project Number</u>
1951	.	\$15,427,076	. . . 1102
1958	.	83,139	. . . 3139
1958 Supplementary	.	80,000	. . . 1817
1962	.	\$30,000	
	Total =	\$15,590,215	