MODIFICATIONS TO THE NATIONAL TRANSONIC FACILITY (1236)

- DESCRIPTION
  - FABRICATE AND INSTALL HIGH ANGLE-OF-ATTACK STING TO PROVIDE
    - ANGLES OF ATTACK FROM 0° TO 70°
    - YAW FROM -15° TO +15°
    - ROLL FROM -180° TO +180°
  - CONSTRUCT 2,400 SQ. FT. SHOP ADDITION

- JUSTIFICATION
  - HIGH ANGLE-OF-ATTACK STING
    - PROVIDE WIND TUNNEL TESTING CAPABILITY FOR FULL SCALE REYNOLDS NUMER
      SIMUALTION OF CRITICAL HIGH ANGLE-OF-ATTACK AERODYNAMIC CHARACTERISTICS OF
      HIGHLY MANEUVERABLE AIRCRAFT
    - PRODUCTIVITY IMPROVEMENT WILL RESULT IN $1.5M ANNUAL SAVINGS
  - SHOP ADDITION
    - VERY HIGH PERSONNEL DENSITY
    - INSUFFICIENT SPACE TO WORK EFFICIENTLY
    - INCREASE EFFICIENCY OF MODEL PREPARATION AND TUNNEL SUPPORT ACTIVITIES

- PROGRAM RELATIONSHIP
  - HIGHLY MANEUVERABLE AIRCRAFT
    - ADVANCED TACTICAL FIGHTER
  - AERO-SPACE PLANE

- BUDGET ESTIMATE
  - $740,000

11/14/86
SECOND FLOOR NOT USABLE DURING OPERATION - SAFETY CONSIDERATION

VERY HIGH PERSONNEL DENSITY - 13 CIVIL SERVANT TECHNICIANS
- 12 CONTRACTOR TECHNICIANS

UNABLE TO PROPERLY SEPARATE CIVIL SERVANTS AND CONTRACTORS

INSUFFICIENT SPACE TO WORK EFFICIENTLY