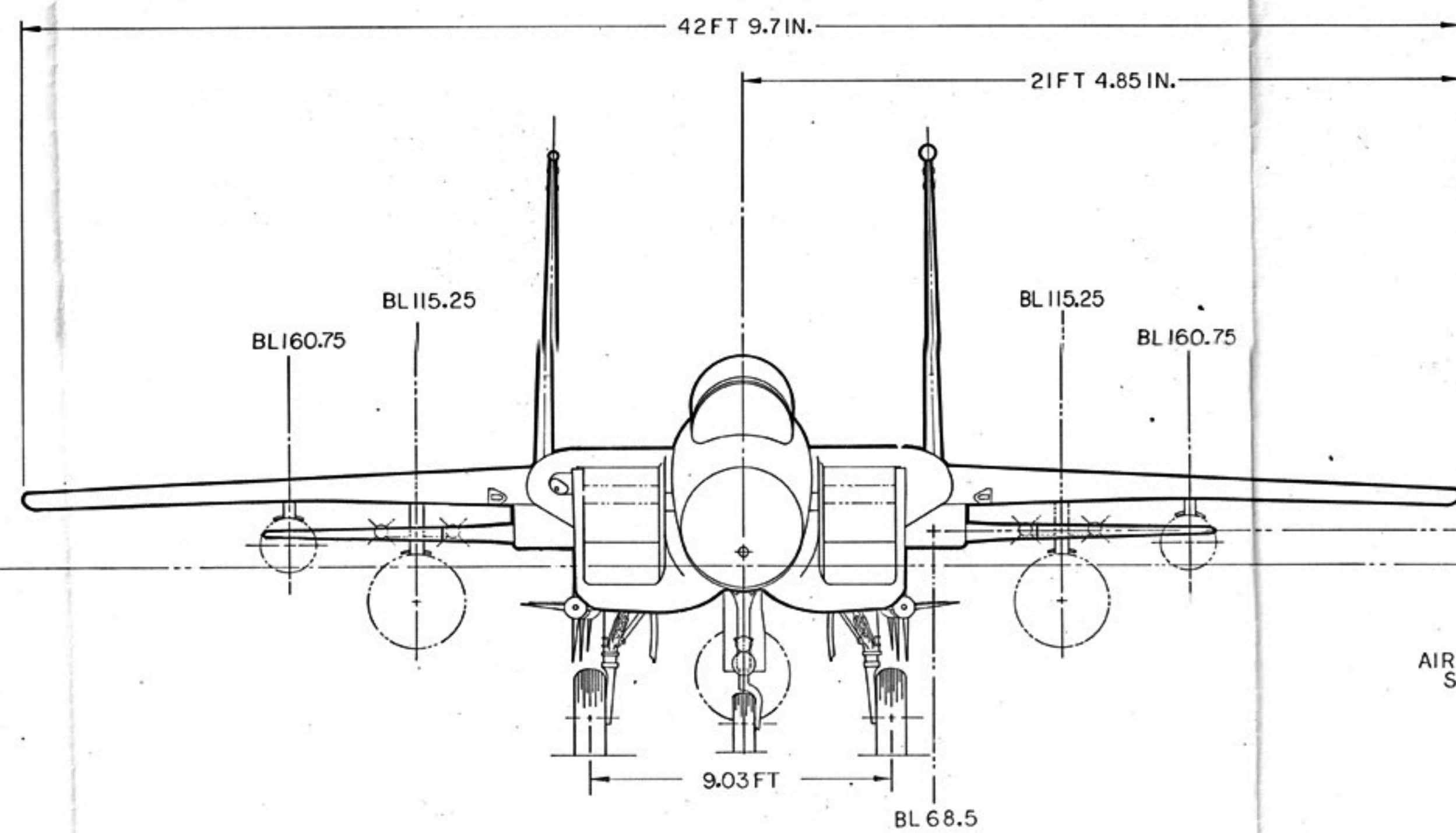
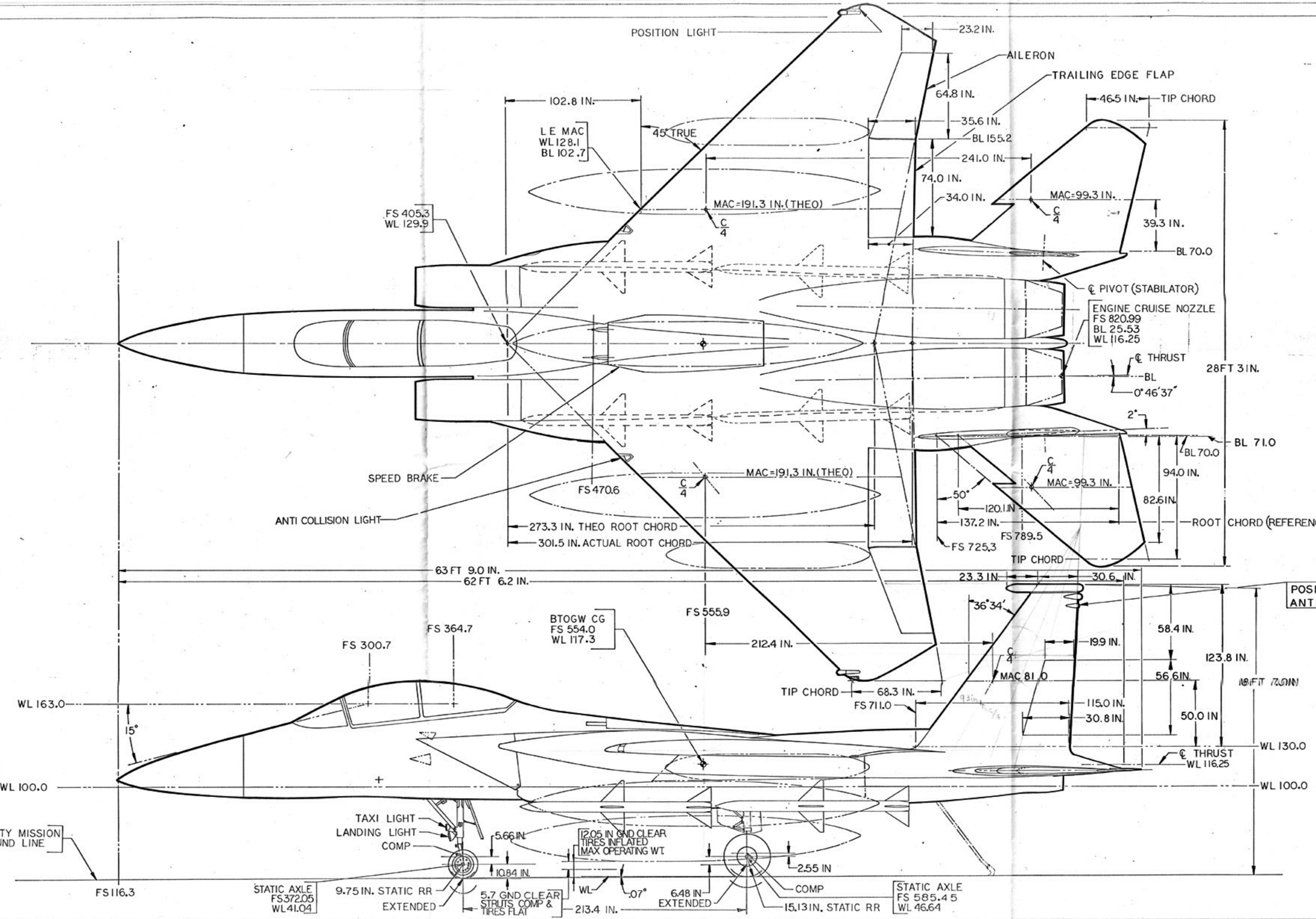


**GENERAL ARRANGEMENT  
MODEL F-5D**

BASIC TOGW=45,079 LB  
FOR AIR SUPERIORITY MISSION



AIR SUPERIORITY MISSION  
STATIC GROUND LINE



**PHYSICAL CHARACTERISTICS**

WING	AREA (THEORETICAL)	599.39 SQ FT
	SPAN	42 FT 9.7 IN.
	ASPECT RATIO	3.01
	TAPER RATIO	.25
	SWEEP (LE)	45°
	DIHEDRAL	-1°
	AIRFOIL & CHORD	
	ROOT (BL 0) NACA64A006.6 (C <sub>L1</sub> =0)	301.5 IN. ACTUAL
	BL 77.00 NACA64A(X)05.9 (C <sub>L1</sub> =.055, a=.8 MOD)	226.0 IN.
	BL 155.0 NACA64A(X)04.6 (C <sub>L1</sub> =.055, a=.8 MOD)	149.6 IN.
	BL 224.73 NACA64A203.5 (C <sub>L1</sub> =.20, a=.8 MOD)	94.0 IN.
	TIP NACA 64A203 (C <sub>L1</sub> =.20, a=.8 MOD)	68.3 IN.
	INCIDENCE	NONE
	TWIST	NONE
	MODIFIED CONICAL CAMBER	C <sub>Lp</sub> =3
	AILERON AREA	26.48 SQ FT
	FLAP AREA	38.84 SQ FT
HORIZONTAL STABILIZER	AREA REFERENCE L.E. SNAG PROVISION	111.36 SQ FT (55.68 EA)
	AREA REFERENCE BASIC GEOMETRY	120.0 SQ FT (60.0 EA)
	ASPECT RATIO	2.05
	TAPER RATIO	.34
	SWEEP (LE)	50°
	DIHEDRAL	0°
	AIRFOIL & CHORD	
	ROOT NACA 0005.5-64 (MOD)	137.2 IN. REFERENCE
	BL 90.0 NACA 0003.5-64	117.9 IN. REFERENCE
	TIP NACA 0002.5-64	46.5 IN.
VERTICAL TAIL	EFFECTIVE AREA	125.22 SQ FT (62.6 EA)
	ASPECT RATIO	1.70
	TAPER RATIO	.27
	SWEEP (LE)	36° 34'
	AIRFOIL & CHORD	
	ROOT NACA 0005 -64	115.0 IN.
	TIP NACA 0003.5-64	30.6 IN.
	RUDDER AREA	19.94 SQ FT (9.97 EA)

SPEED BRAKE AREA 31.5 SQ FT

CONTROL SURFACE TRAVEL

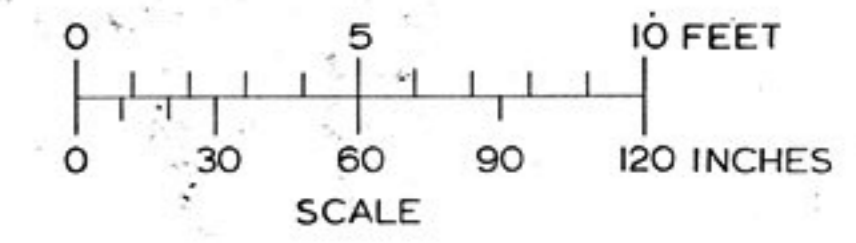
AILERON ±20°  
SPEED BRAKE 45° UP FROM ML  
RUDDER ±30°  
HORIZONTAL STABILIZER (LE) 15° UP, 26° DN  
TRAILING EDGE FLAP 30° DOWN

LANDING GEAR  
MAIN GEAR  
TIRE SIZE 34.5x9.75-18  
STROKE 9.03 IN.  
STATIC ROLLING RADIUS 15.13 IN.  
FLAT ROLLING RADIUS 11.6 IN.

NOSE GEAR  
TIRE SIZE 22.0x6.6-10  
STROKE 16.5 IN.  
STATIC ROLLING RADIUS 9.75 IN.  
FLAT ROLLING RADIUS 7.0 IN.

PROPULSION (2) F100-PW-100 ENGINES

BASIC TAKE OFF GROSS WEIGHT 45,079 LB



**MCDONNELL DOUGLAS**  
ST. LOUIS, MISSOURI  
GENERAL ARRANGEMENT  
MODEL F-5D  
68J008534

GENERAL ARRANGEMENT