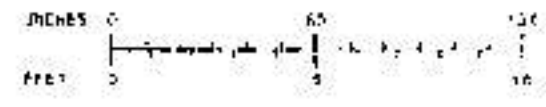
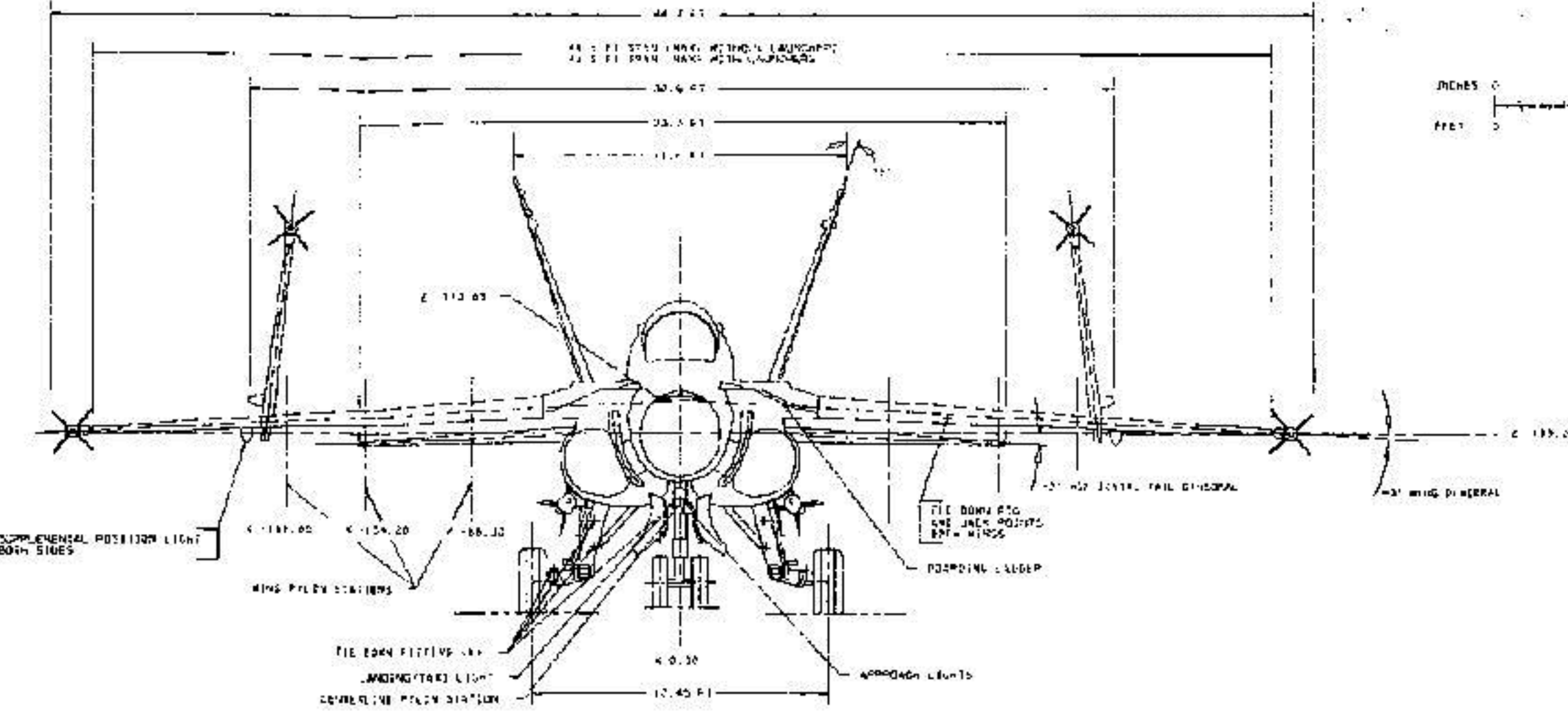


14 13 12 11 10 9 8 7 6 5 4 3 2 1



PHYSICAL CHARACTERISTICS

AREA	WING	WING AREA	THEORETICAL
ASPECT RATIO	5.50		
TAPER RATIO	0.22		
SPAN (REF)	41.45 FT		
WING CHORD	27.00 IN		
TIP CHORD	12.00 IN		
SWEEP (CFI)	25.31 DEG		
DIRECTIONAL	0 DEG		
ASPECT RATIO	5.50		
WING AREA	210.50 SQ FT		
WING AREA (THEO)	210.50 SQ FT		
WING AREA (REF)	210.50 SQ FT		
WING AREA (REF)	210.50 SQ FT		

LOADING EDGE EXTENSION (L.E.)

EXTENSION	40.00 FT
WING AREA	47.00 SQ FT

WING/SPIN FACILITY

AREA	WING	WING AREA	THEORETICAL
ASPECT RATIO	3.25		
TAPER RATIO	0.22		
SPAN (REF)	16.30 FT		
WING CHORD	11.00 IN		
TIP CHORD	2.00 IN		
SWEEP (CFI)	43.53 DEG		
DIRECTIONAL	-5 DEG		
ASPECT RATIO	3.25		
WING AREA	104.20 SQ FT		
WING AREA (THEO)	104.20 SQ FT		

WING/TAIL

WING/TAIL	WING	WING/TAIL AREA	THEORETICAL
ASPECT RATIO	1.00		
TAPER RATIO	0.40		
HEIGHT	113.00 IN		
WING CHORD	50.00 IN		
TIP CHORD	20.00 IN		
SWEEP (CFI)	45.00 DEG		
DIRECTIONAL	0 DEG		
ASPECT RATIO	1.00		
WING/TAIL AREA	15.00 SQ FT		
WING/TAIL AREA (THEO)	15.00 SQ FT		

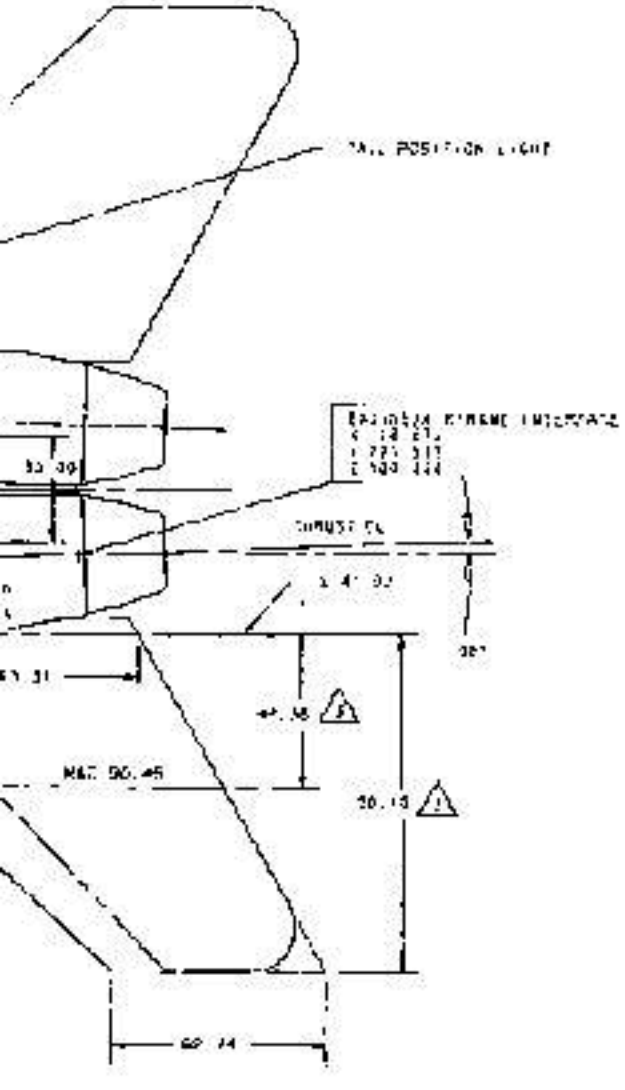
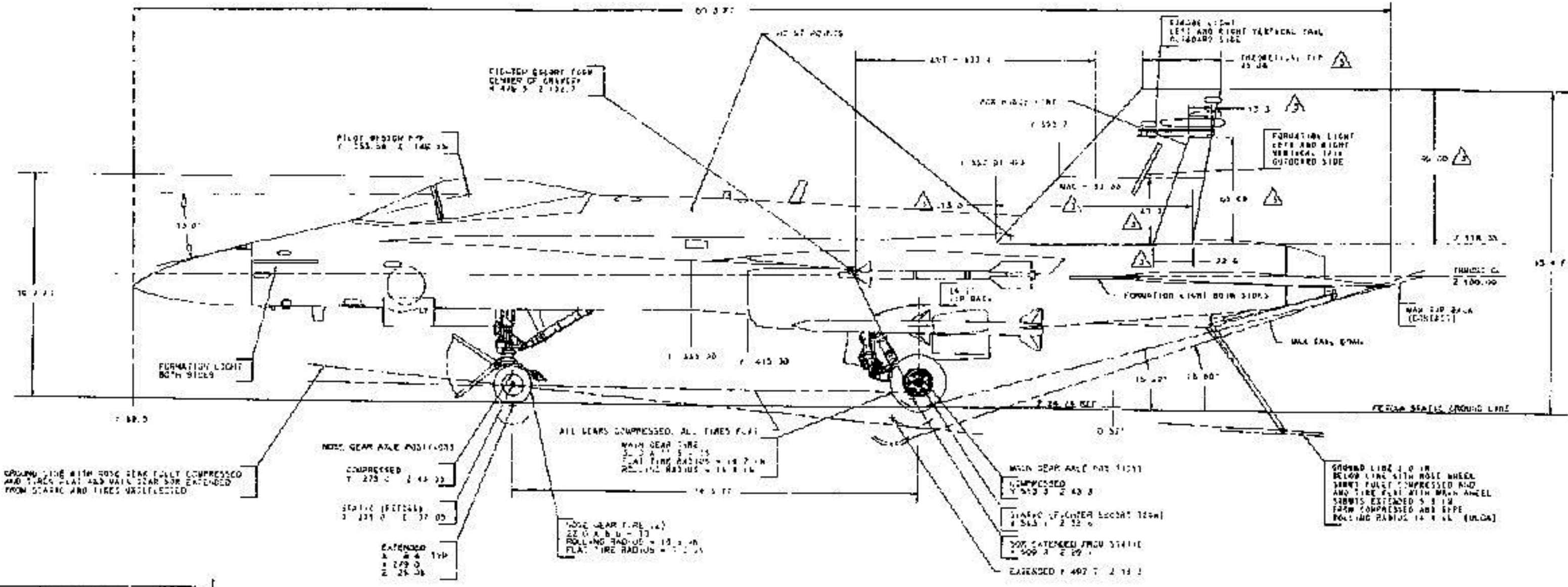
CONTROL SURFACE (C/S)

C/S	WING	WING/C/S AREA	THEORETICAL
AILERON	42.30		
INBOARD L.F. FLAPS	10.00		
OUTBOARD L.F. FLAPS	10.00		
DIFFERENTIAL STABILATOR	10.00		
STABILATOR	10.00		

SPEED BRAKE

AREA	13.00 SQ FT
TRAVEL	60.00 IN

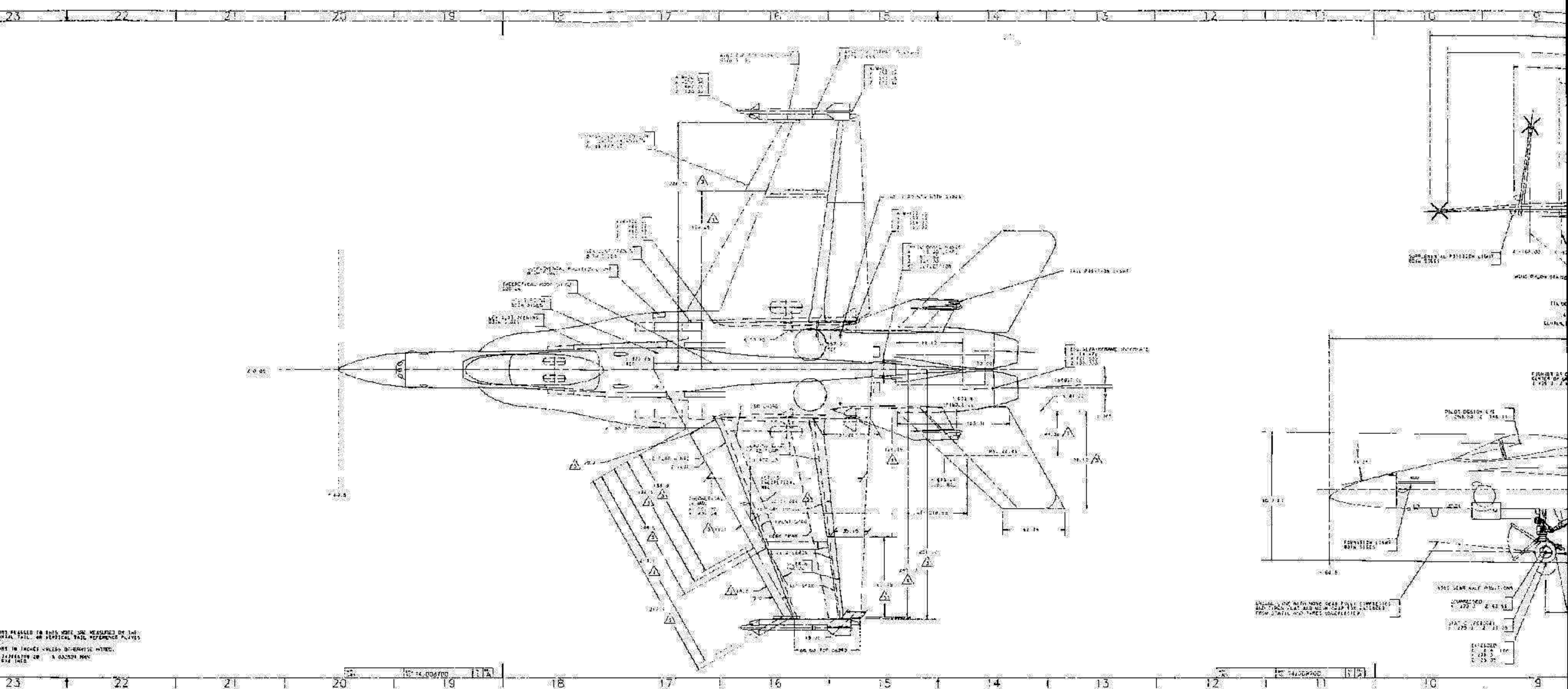
REMARKS: (1) OPERATED BY TURBOFAN ENGINES



14 13 12 11 10 9 8 7 6 5 4 3 2 1

2.49 (Page 2.50 is blank)

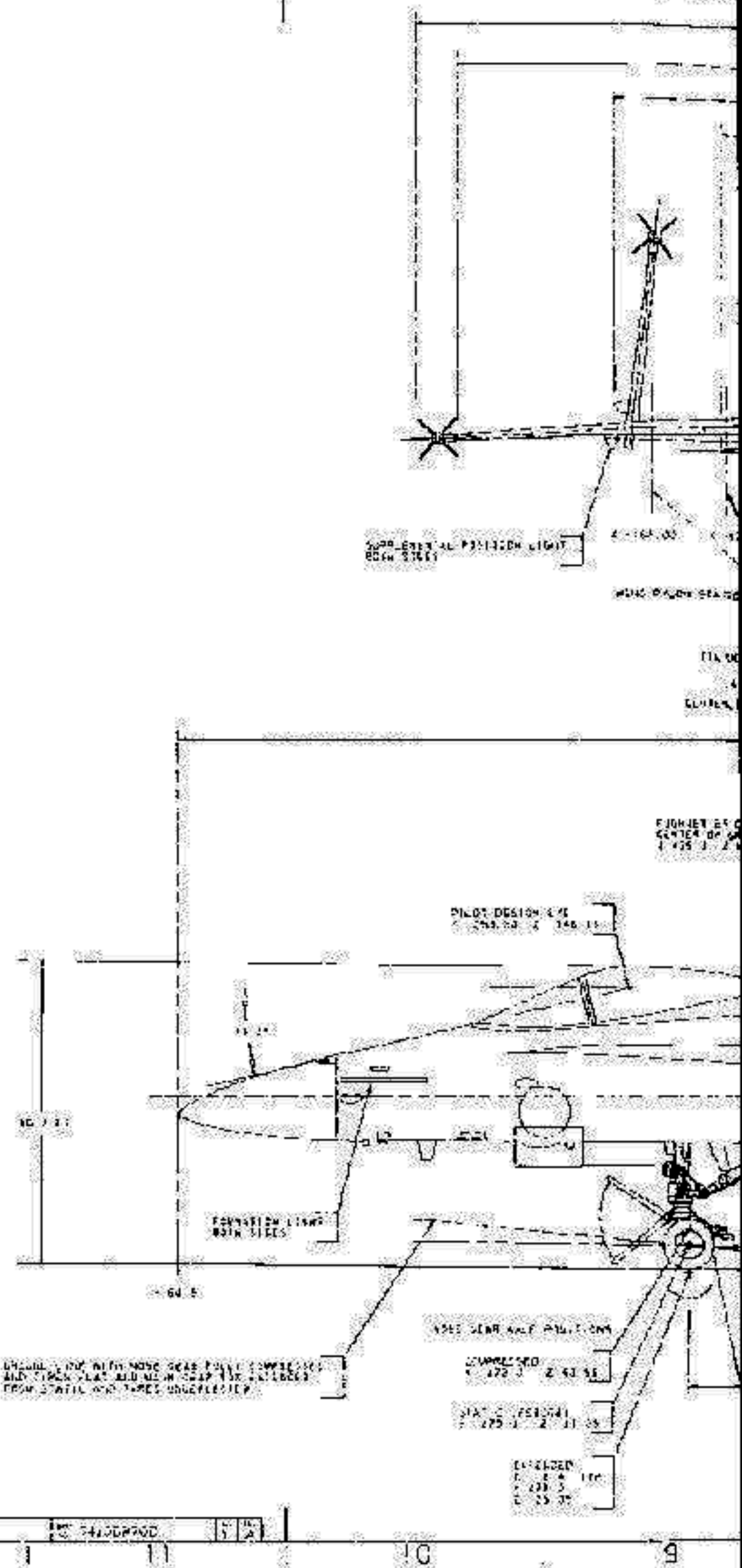
DATE	11/21/60	BY	W. J. GARDNER
SCALE	AS SHOWN	PROJECT	74-008700
WORKSHEET NO.	74-008700-2	DESIGNER	W. J. GARDNER
GENERAL ARRANGEMENT - PJA-18C			
74-008700-2			



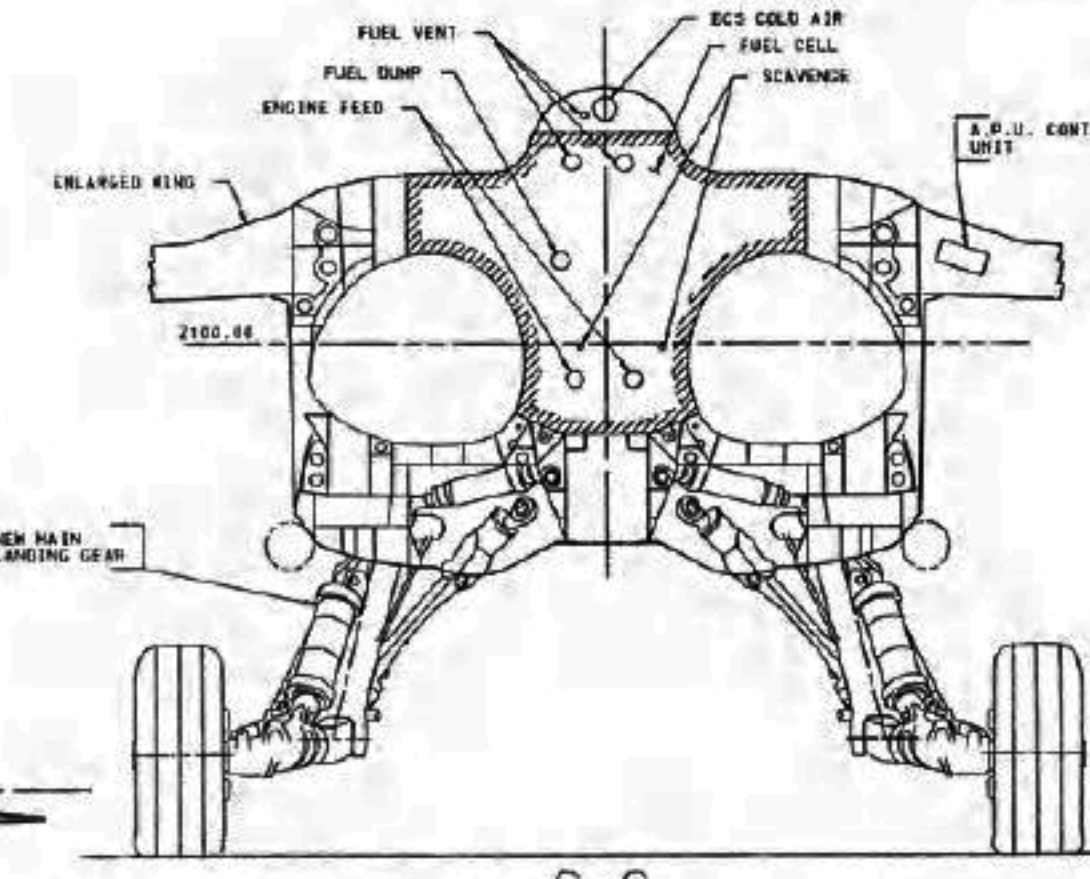
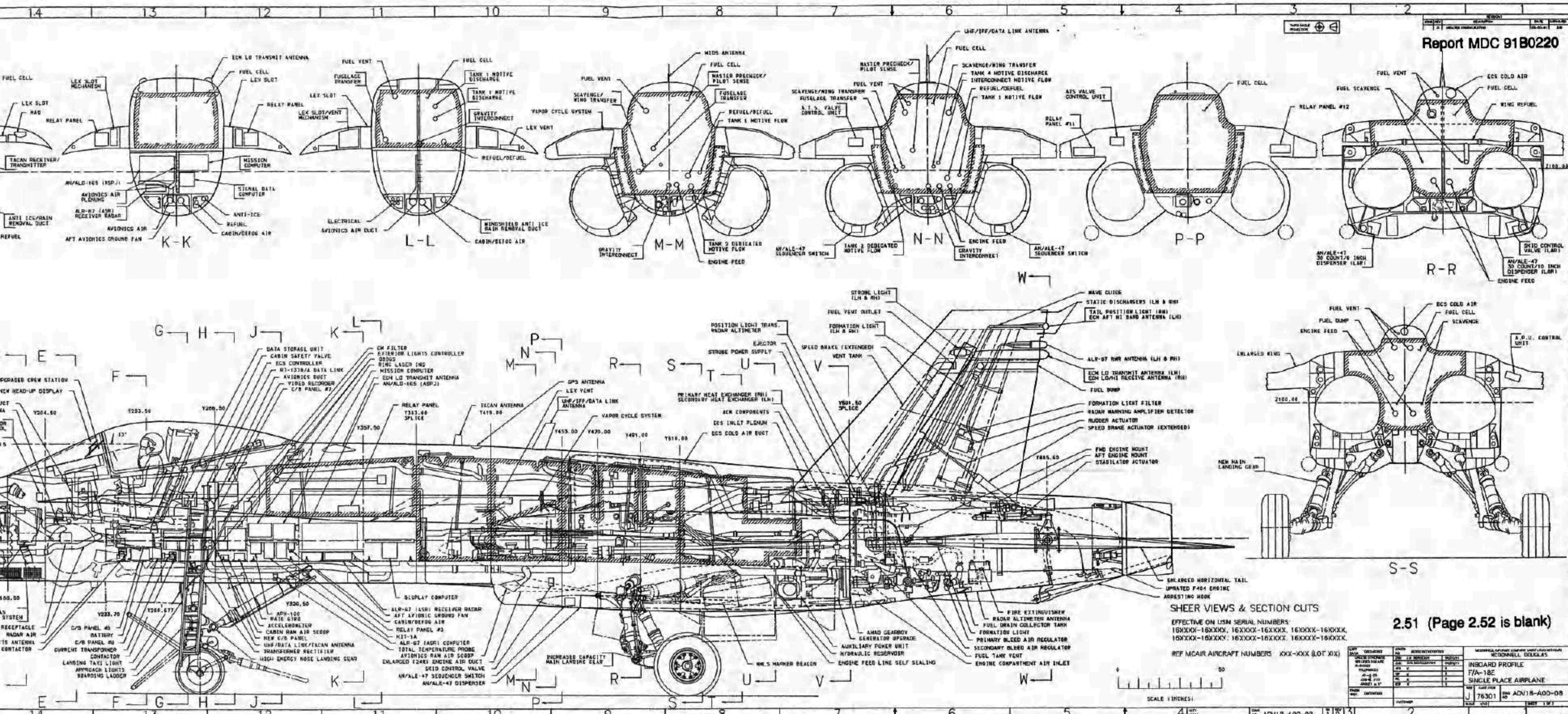
ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE MEASURED ON THE
INTERNAL SURFACE UNLESS OTHERWISE NOTED
DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED
UNLESS OTHERWISE NOTED A 0.0004 MM
0.0015 IN

100 INCHES = 25.4 MM

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MEASURED FROM
INTERNAL SURFACES UNLESS OTHERWISE NOTED
DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED
UNLESS OTHERWISE NOTED A 0.0004 MM
0.0015 IN

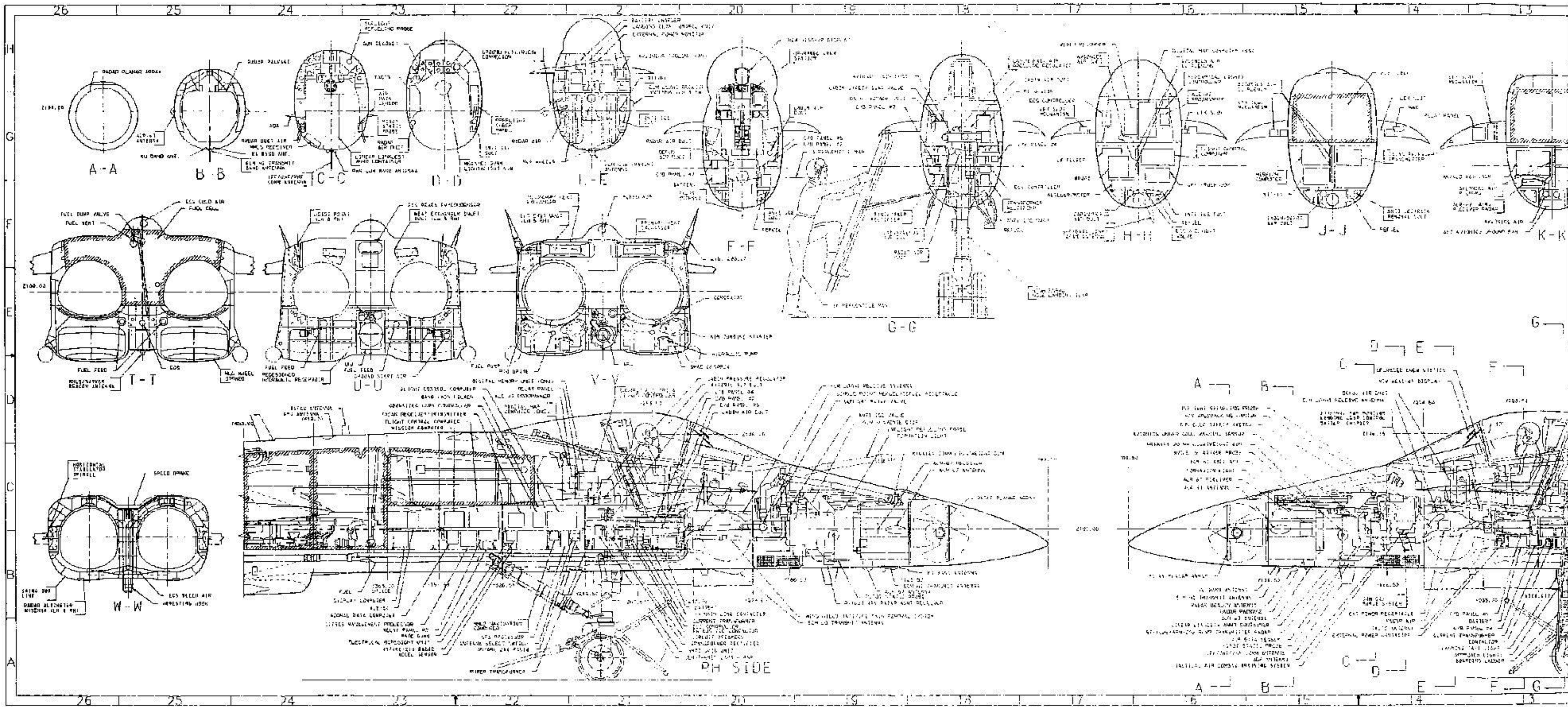


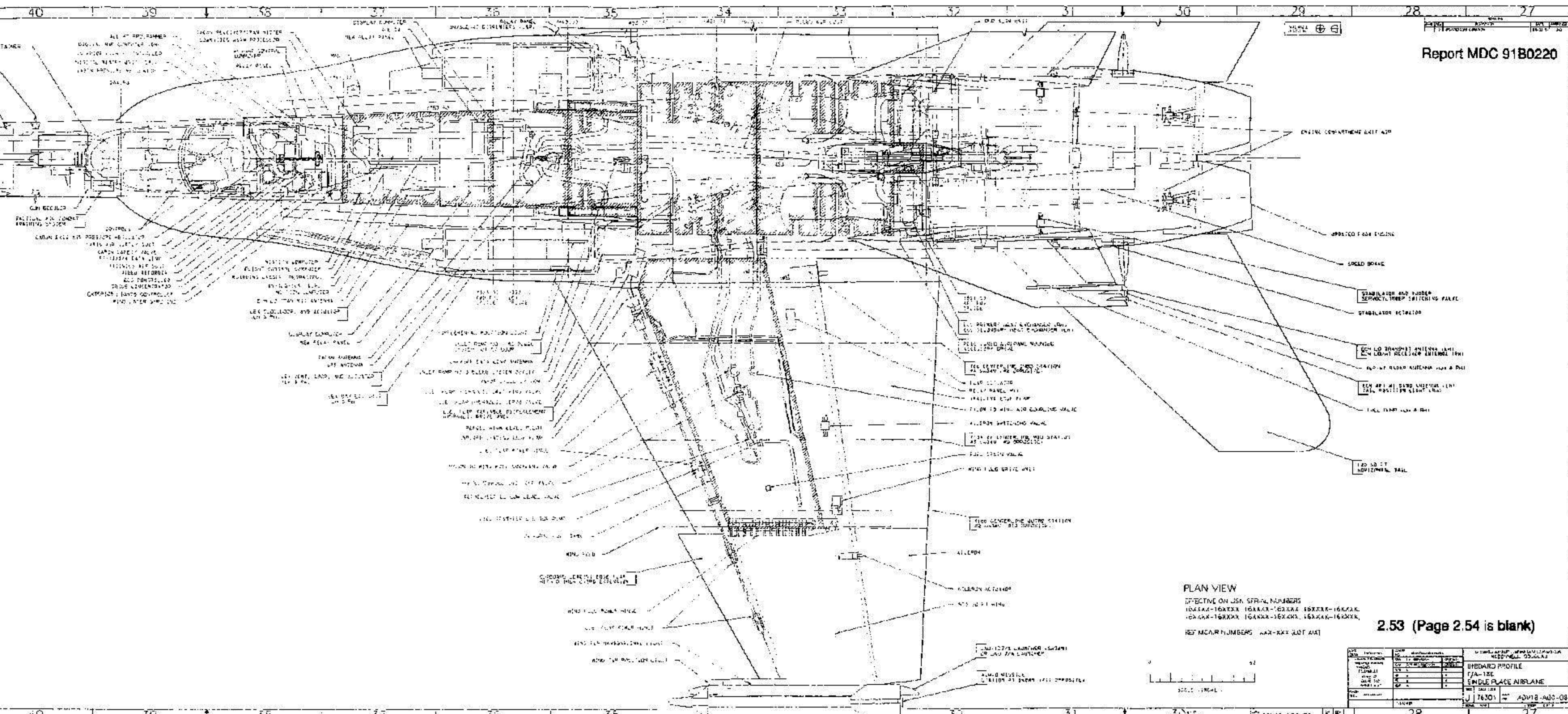
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MEASURED FROM
INTERNAL SURFACES UNLESS OTHERWISE NOTED
DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED
UNLESS OTHERWISE NOTED A 0.0004 MM
0.0015 IN



2.51 (Page 2.52 is blank)

REV	DATE	DESCRIPTION	BY	CHKD
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				



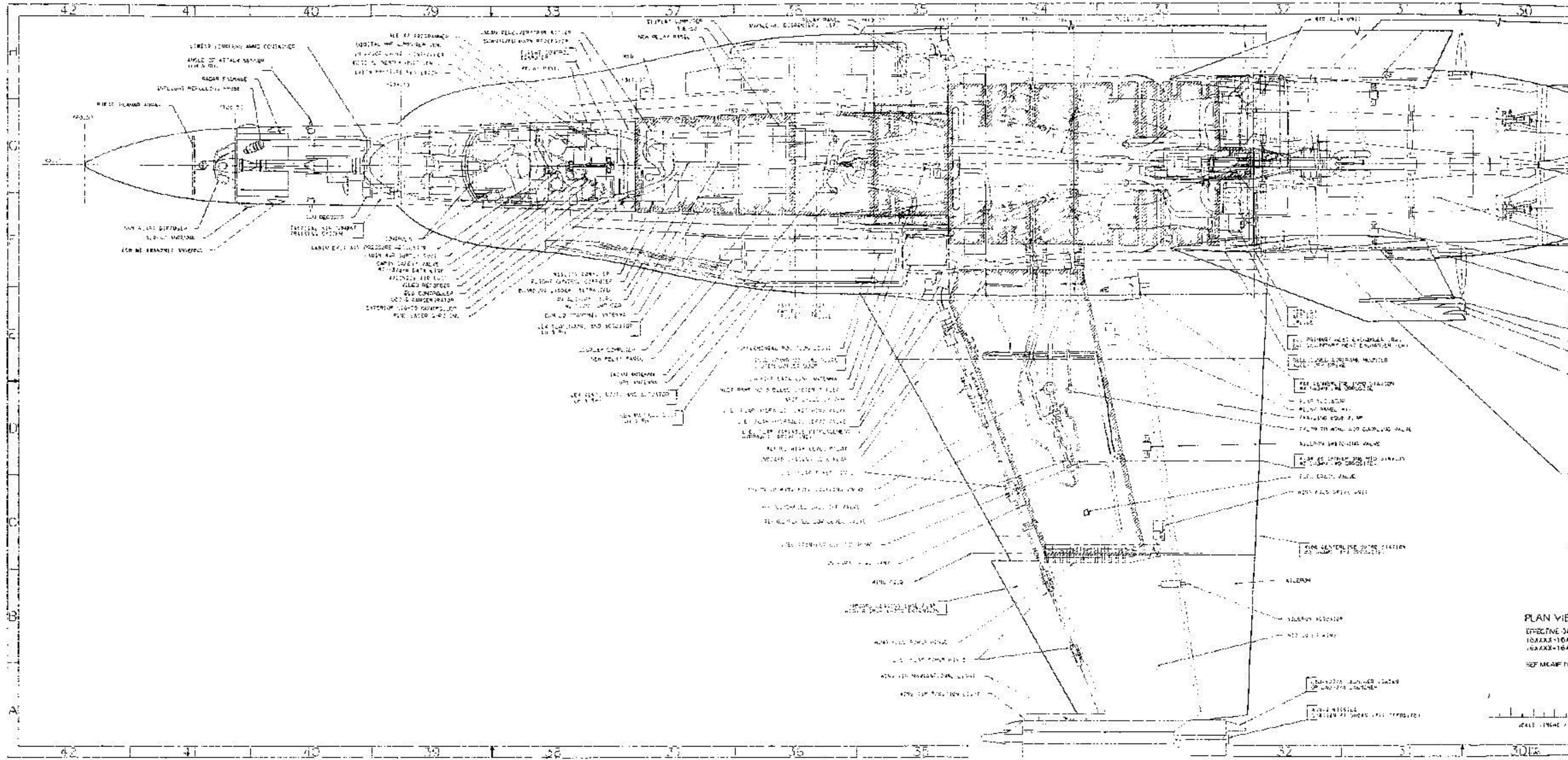


PLAN VIEW
 EFFECTIVE ON JSN SERIAL NUMBERS
 16A3AK-16A3AKX 16A3AKX-16A3AKX 16A3AKX-16A3AKX
 16A3AKX-16A3AKX 16A3AKX-16A3AKX 16A3AKX-16A3AKX
 REF MCAIR NUMBERS: AAX-XXX (LOT AIX)

2.53 (Page 2.54 is blank)

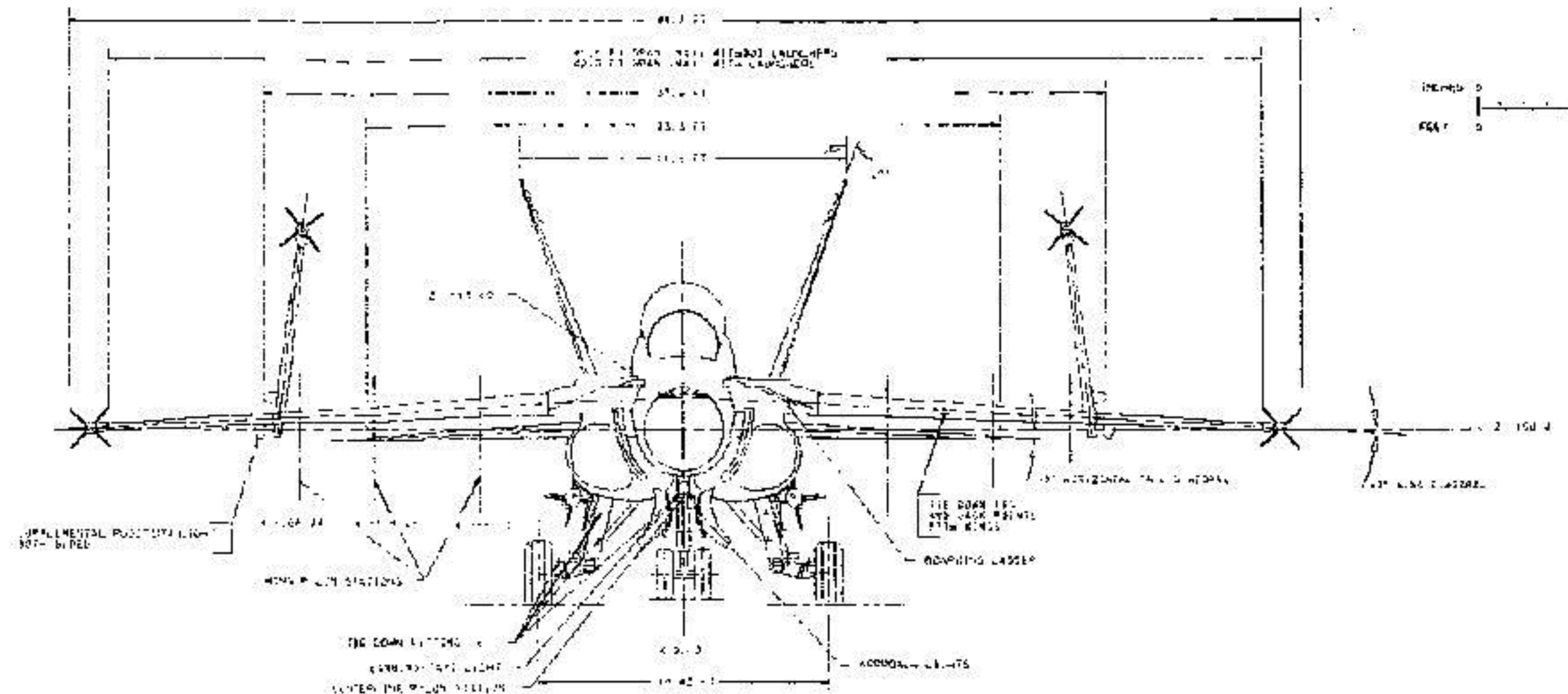
REV	DESCRIPTION	DATE	BY	CHKD
1	ISSUED			
2				
3				
4				
5				
6				
7				
8				
9				
10				

IPIBARD PROFILE
 F7A-110
 SINGLE PLACE AIRPLANE
 J 76301
 ADV18-400-08



PLAN VIEW
 EFFECTIVE ON
 15000-1000
 15000-1000
 REF MEANING

SCALE: 1/16"



GENERAL CHARACTERISTICS

WING

AREA	521.6	50 FT	THEORETICAL
ASPECT RATIO	7.46		
TAPER RATIO	0.307		
SPAN AT WING (WITHOUT LAUNCHERS)	81.03	FT	
SPAN (WITH)	77.28	FT	THEORETICAL
TIP CHORD	88.88	IN	THEORETICAL
WEEP (1/4)	2.31	DEC	
DIHEDRAL	0	DEC	
INCIDENCE	0	DEC	
ALTERNATE AND THICKNESS			
W	01.560	HOB INCA 65A W/SHARP LE	5.0 E
W	17.230	HOB INCA 65A W/SHARP LE	4.5 E
W		HOB INCA 65A W/SHARP LE	4.5 E
ALIGNMENT AREA			
ALIGNMENT AREA	51.7	50 FT	
ALIGNMENT AREA	17.2	50 FT	
L.E. FLAP AREA (IN)	11.7	50 FT	
L.E. FLAP AREA (OUT)	11.7	50 FT	
DOWNWARD LEF AREA	11.7	50 FT	
UPWARD LEF AREA	11.7	50 FT	
WING	NONE	50 FT	

LOADING CODE, EXPOSITION, ETC.

EXPOSED AREA	87.4	50 FT	
L.E. WING INTERSECTION	17.1	231 LB	2 110.50
L.E. WING	47		W/S

HORIZONTAL TAIL

AREA	124.8	50 FT	
ASPECT RATIO	1.29		
TAPER RATIO	0.354		
SPAN (WING)	11.31	FT	THEORETICAL
TIP CHORD	11.31	FT	
TIP CHORD	11.31	FT	
WEEP (1/4)	11.31	DEC	
DIHEDRAL	0	DEC	
ALTERNATE AND THICKNESS			
W	01.560	HOB INCA 65A W/SHARP LE	5.0 E
W	17.230	HOB INCA 65A W/SHARP LE	4.5 E
W		HOB INCA 65A W/SHARP LE	4.5 E

VERTICAL TAIL

THEORETICAL TOTAL AREA	194.2	50 FT	
ASPECT RATIO	1.29		
TAPER RATIO	0.354		
SPAN (WING)	11.31	FT	
TIP CHORD (THEORETICAL)	11.31	FT	
WEEP (1/4)	11.31	DEC	
DIHEDRAL	0	DEC	
ALTERNATE AND THICKNESS			
W	01.560	HOB INCA 65A W/SHARP LE	5.0 E
W	17.230	HOB INCA 65A W/SHARP LE	4.5 E
W		HOB INCA 65A W/SHARP LE	4.5 E
WINGER TOTAL AREA (THEORETICAL)			
W	19.20	50 FT / 10.00	50 FT

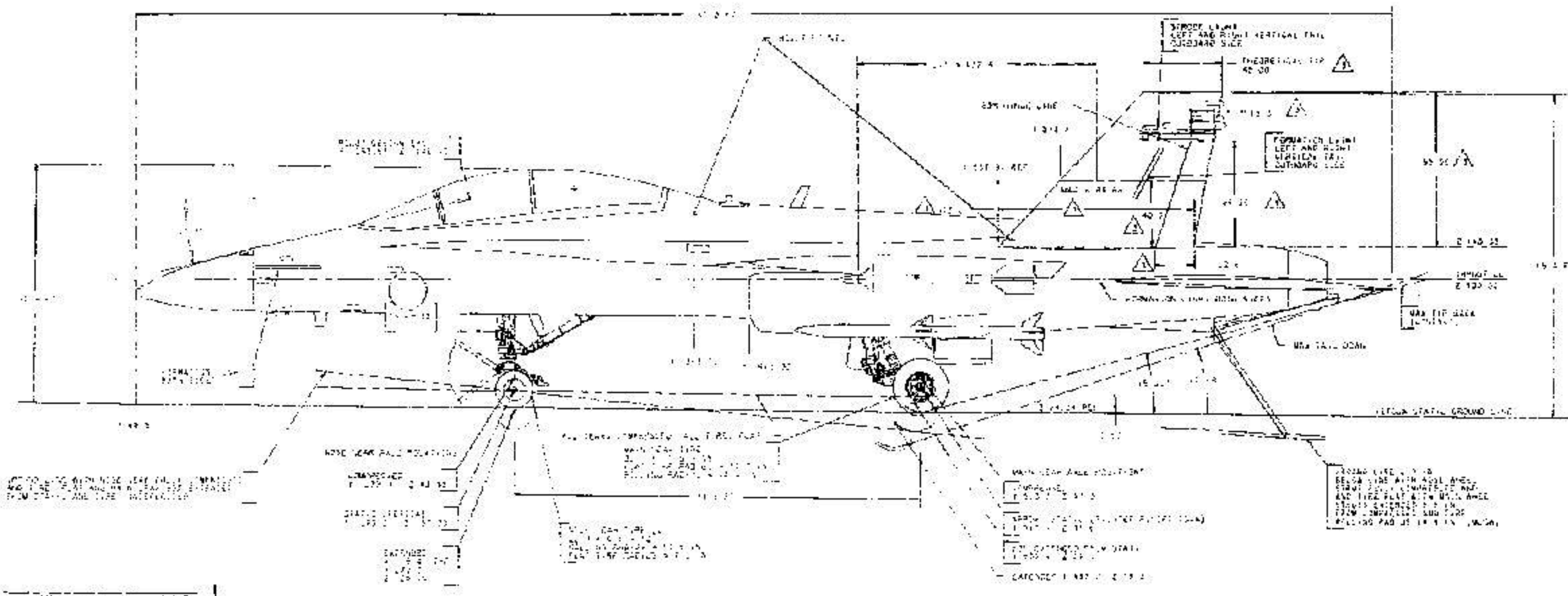
CONTROL SURFACE TRAVEL

Ailerons	20 DEC DOWN
Flaps	4 DEC UP 34 DEC DOWN
Downward L.E. Flaps	4 DEC UP 34 DEC DOWN
Upward L.E. Flaps	4 DEC UP 34 DEC DOWN (PROVIDE ON FOR 3 875.3P)
Rudder	10 DEC
Differential Stabilator A.E.	10 DEC FROM PITCH 81W FEW
Symmetrical Stabilator L.E.	24 DEC UP 24 DEC DOWN
Wing Stabilator Travel L.E.	22 DEC UP 24 DEC DOWN

SPEED BRAKE

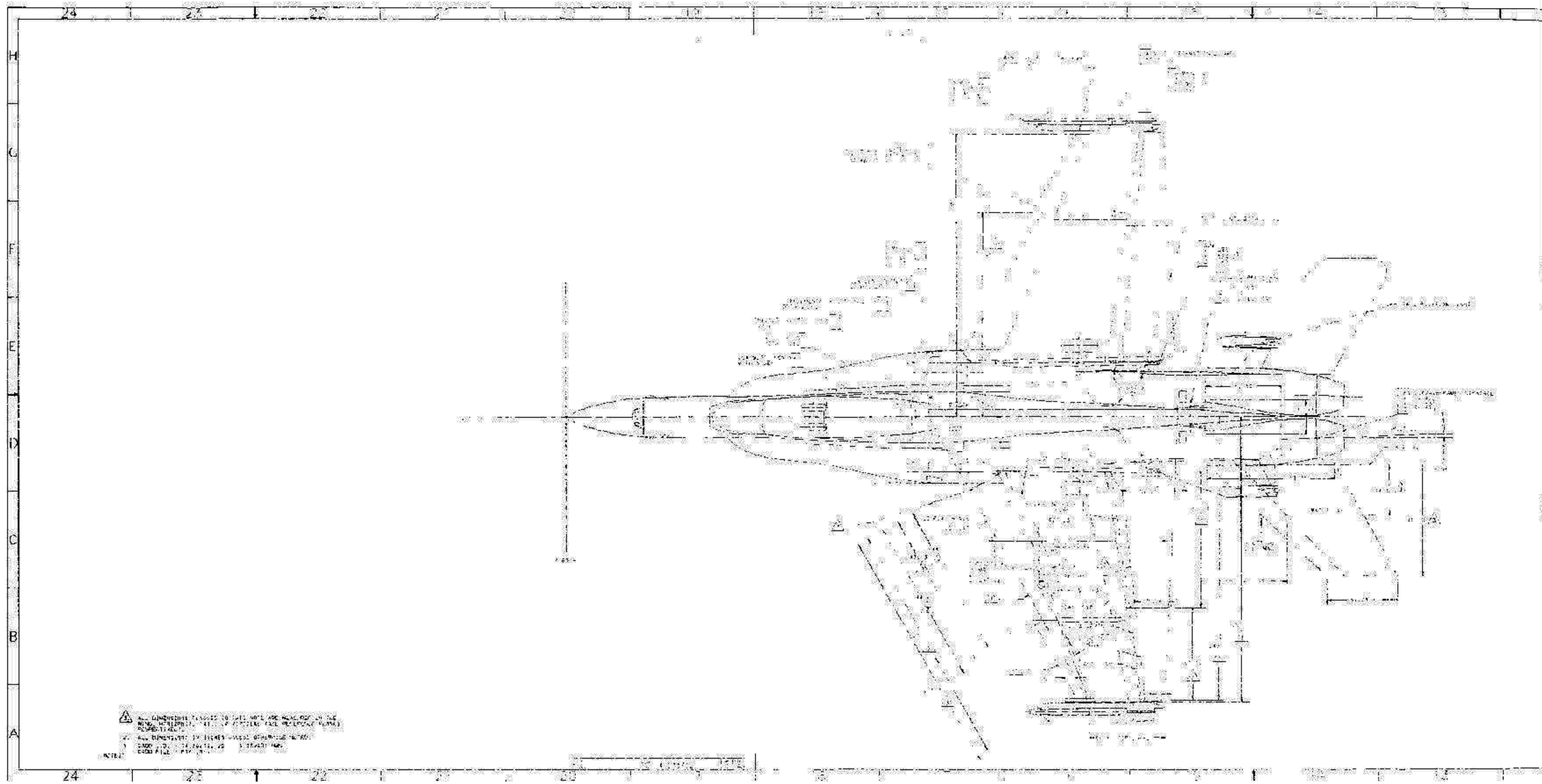
AREA	15.9	50 FT	
INCIDENCE	45	DEC	

PROPULSION 12. UPRATED P404 EUROSPAN ENGINES

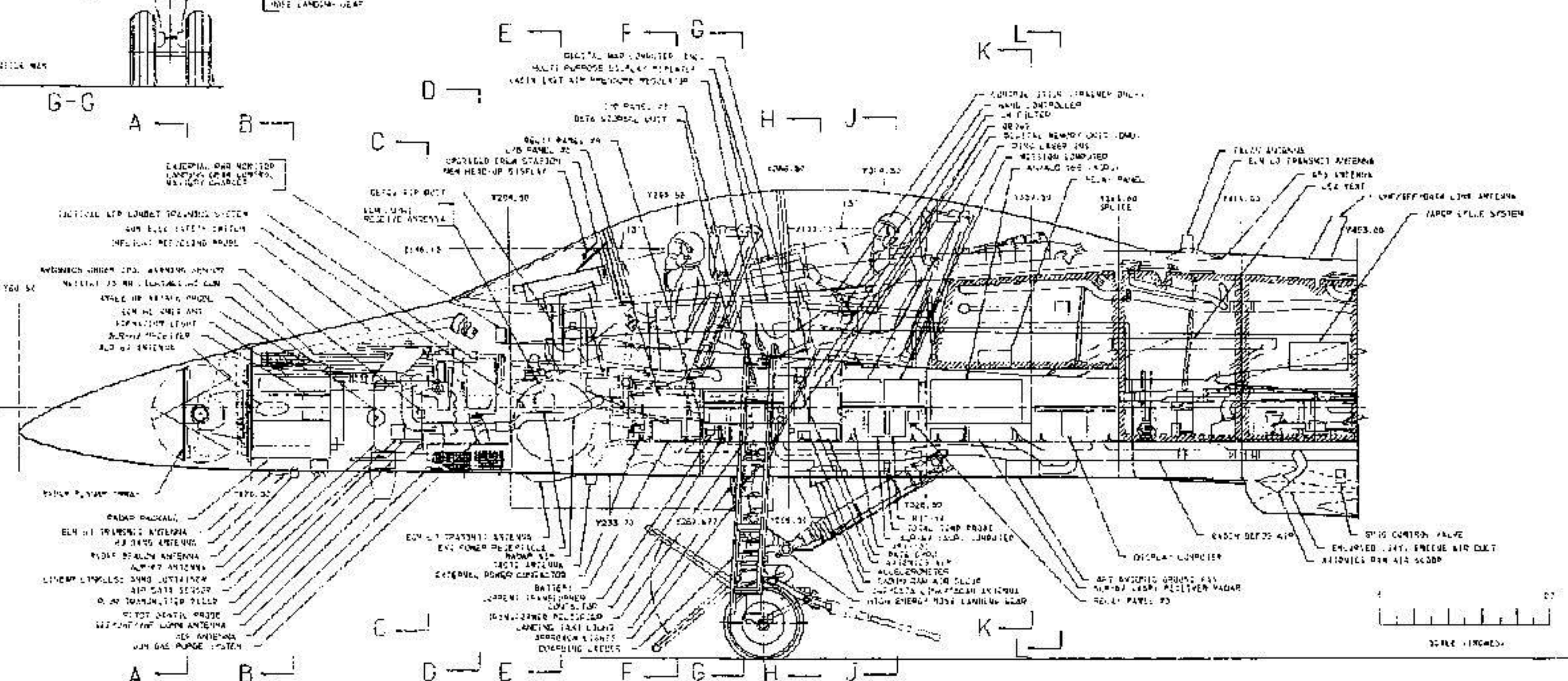
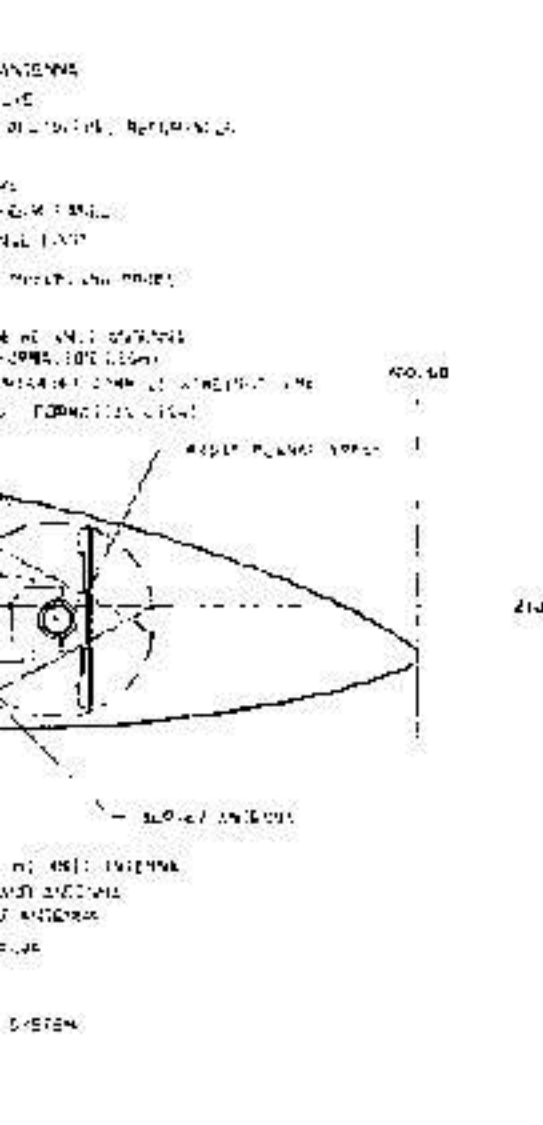
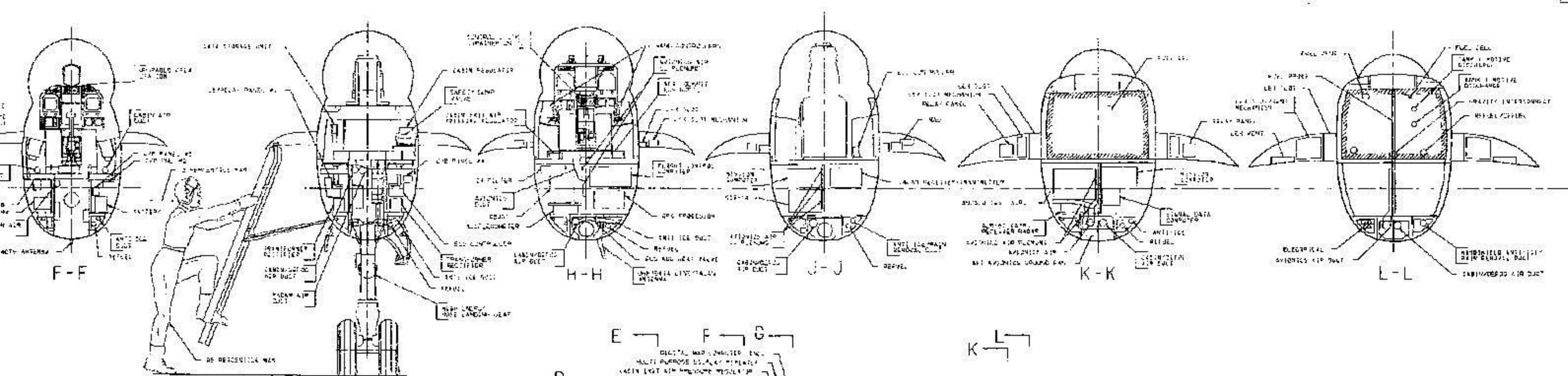


10.11 (Page 10.12 is blank)

DATE	7630	74J008702
BY		
CHKD		
APP'D		
REVISION		
DESCRIPTION		
GENERAL ARRANGEMENT		
FJA-18F		
7630		74J008702



1. ALL DIMENSIONS SHOWN TO THIS PLAN ARE BASED ON THE
NEW YORK CITY DEPARTMENT OF CITY PLANNING (D.C.P.) RECORDS.
RESPECTFULLY.
2. ALL DIMENSIONS TO THIS PLAN ARE BASED ON THE
D.C.P. RECORDS.
3. D.C.P. RECORD NO. 100-111-100
4. D.C.P. RECORD NO. 100-111-100
5. D.C.P. RECORD NO. 100-111-100



SHEER VIEWS & SECTION CUTS
EFFECTIVE ON USN SERIAL NUMBERS
10XXXX 10XXXX 10XXXX 10XXXX
10XXXX 10XXXX 10XXXX 10XXXX
SEE MCAIR AIRCRAFT NUMBERS 4XX-4XX (LOT 41X)

10.13 (Page 10.14 is blank)

REV	DATE	BY	CHKD	DESCRIPTION
1	10/10/68	J	J	ISSUED FOR PRODUCTION
2	10/10/68	J	J	REVISION 1
3	10/10/68	J	J	REVISION 2
4	10/10/68	J	J	REVISION 3
5	10/10/68	J	J	REVISION 4
6	10/10/68	J	J	REVISION 5
7	10/10/68	J	J	REVISION 6
8	10/10/68	J	J	REVISION 7
9	10/10/68	J	J	REVISION 8
10	10/10/68	J	J	REVISION 9
11	10/10/68	J	J	REVISION 10
12	10/10/68	J	J	REVISION 11
13	10/10/68	J	J	REVISION 12
14	10/10/68	J	J	REVISION 13
15	10/10/68	J	J	REVISION 14
16	10/10/68	J	J	REVISION 15
17	10/10/68	J	J	REVISION 16
18	10/10/68	J	J	REVISION 17
19	10/10/68	J	J	REVISION 18
20	10/10/68	J	J	REVISION 19
21	10/10/68	J	J	REVISION 20
22	10/10/68	J	J	REVISION 21
23	10/10/68	J	J	REVISION 22
24	10/10/68	J	J	REVISION 23
25	10/10/68	J	J	REVISION 24
26	10/10/68	J	J	REVISION 25
27	10/10/68	J	J	REVISION 26
28	10/10/68	J	J	REVISION 27
29	10/10/68	J	J	REVISION 28
30	10/10/68	J	J	REVISION 29
31	10/10/68	J	J	REVISION 30
32	10/10/68	J	J	REVISION 31
33	10/10/68	J	J	REVISION 32
34	10/10/68	J	J	REVISION 33
35	10/10/68	J	J	REVISION 34
36	10/10/68	J	J	REVISION 35
37	10/10/68	J	J	REVISION 36
38	10/10/68	J	J	REVISION 37
39	10/10/68	J	J	REVISION 38
40	10/10/68	J	J	REVISION 39
41	10/10/68	J	J	REVISION 40
42	10/10/68	J	J	REVISION 41
43	10/10/68	J	J	REVISION 42
44	10/10/68	J	J	REVISION 43
45	10/10/68	J	J	REVISION 44
46	10/10/68	J	J	REVISION 45
47	10/10/68	J	J	REVISION 46
48	10/10/68	J	J	REVISION 47
49	10/10/68	J	J	REVISION 48
50	10/10/68	J	J	REVISION 49
51	10/10/68	J	J	REVISION 50
52	10/10/68	J	J	REVISION 51
53	10/10/68	J	J	REVISION 52
54	10/10/68	J	J	REVISION 53
55	10/10/68	J	J	REVISION 54
56	10/10/68	J	J	REVISION 55
57	10/10/68	J	J	REVISION 56
58	10/10/68	J	J	REVISION 57
59	10/10/68	J	J	REVISION 58
60	10/10/68	J	J	REVISION 59
61	10/10/68	J	J	REVISION 60
62	10/10/68	J	J	REVISION 61
63	10/10/68	J	J	REVISION 62
64	10/10/68	J	J	REVISION 63
65	10/10/68	J	J	REVISION 64
66	10/10/68	J	J	REVISION 65
67	10/10/68	J	J	REVISION 66
68	10/10/68	J	J	REVISION 67
69	10/10/68	J	J	REVISION 68
70	10/10/68	J	J	REVISION 69
71	10/10/68	J	J	REVISION 70
72	10/10/68	J	J	REVISION 71
73	10/10/68	J	J	REVISION 72
74	10/10/68	J	J	REVISION 73
75	10/10/68	J	J	REVISION 74
76	10/10/68	J	J	REVISION 75
77	10/10/68	J	J	REVISION 76
78	10/10/68	J	J	REVISION 77
79	10/10/68	J	J	REVISION 78
80	10/10/68	J	J	REVISION 79
81	10/10/68	J	J	REVISION 80
82	10/10/68	J	J	REVISION 81
83	10/10/68	J	J	REVISION 82
84	10/10/68	J	J	REVISION 83
85	10/10/68	J	J	REVISION 84
86	10/10/68	J	J	REVISION 85
87	10/10/68	J	J	REVISION 86
88	10/10/68	J	J	REVISION 87
89	10/10/68	J	J	REVISION 88
90	10/10/68	J	J	REVISION 89
91	10/10/68	J	J	REVISION 90
92	10/10/68	J	J	REVISION 91
93	10/10/68	J	J	REVISION 92
94	10/10/68	J	J	REVISION 93
95	10/10/68	J	J	REVISION 94
96	10/10/68	J	J	REVISION 95
97	10/10/68	J	J	REVISION 96
98	10/10/68	J	J	REVISION 97
99	10/10/68	J	J	REVISION 98
100	10/10/68	J	J	REVISION 99
101	10/10/68	J	J	REVISION 100

