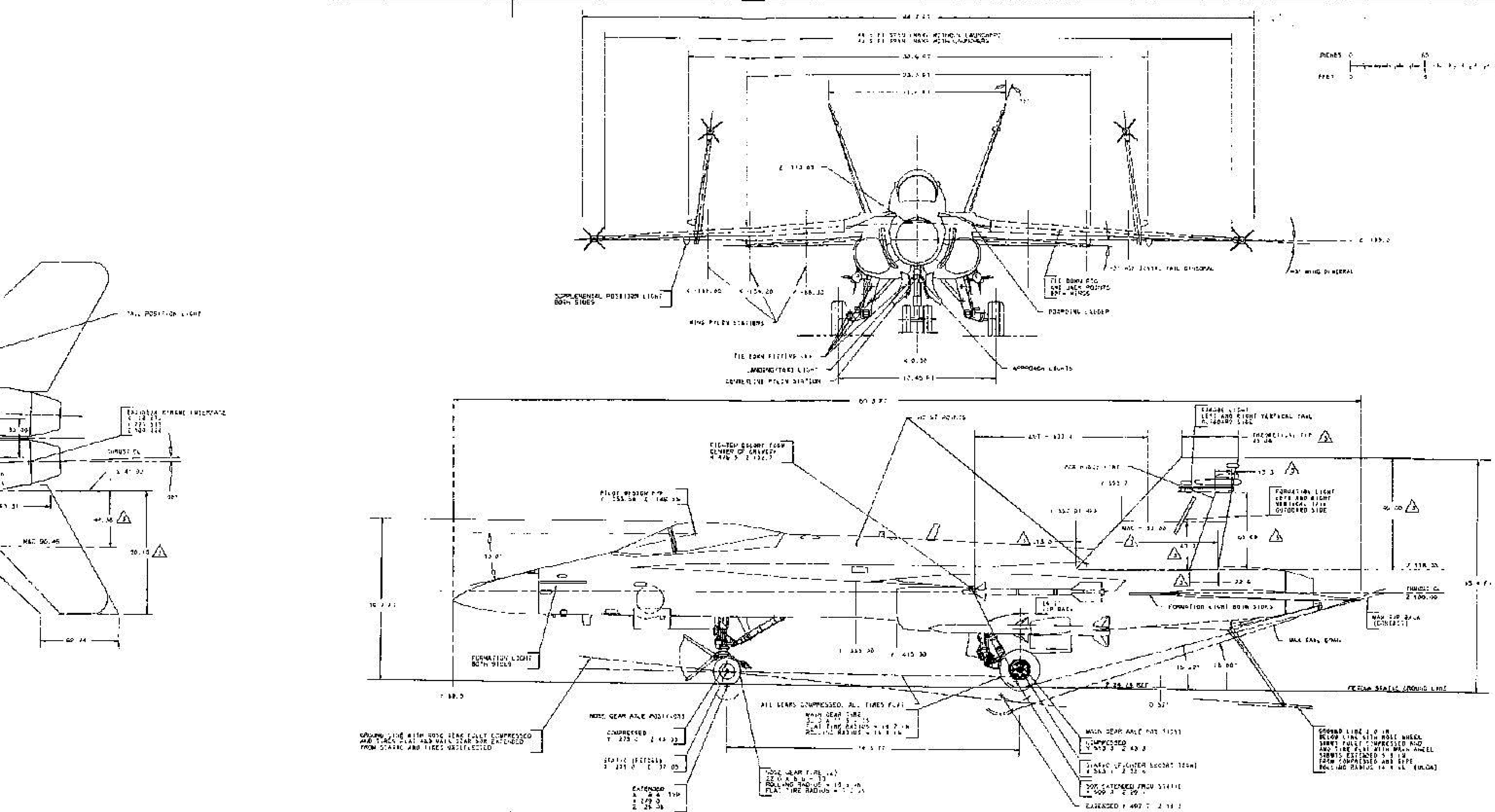


Report MDC 91B0220

PHYSICAL CHARACTERISTICS

WING

AREA	500.0	SQ FT THEORETICAL
ASPECT RATIO	3.50	
TAPER RATIO	0.292	
SPAN AT WTP (WITHOUT LAUNCHER)	41.83	FT
ROOT CHORD	220.48	IN THEORETICAL
TIP CHORD	64.40	IN THEORETICAL
SWEEP (C/4)	22.31	DEG
DIHEDRAL	3	DEG
INCIDENCE	0	DEG
AIRFOIL AND THICKNESS		
ROOT: MOD NACA 65A SHARP L.E.	5.0 %	
TIP: MOD NACA 65A SHARP L.E.	3.5 %	
AILERON AREA	38.7	SQ FT
AILERON SHROUD AREA	7.2	SQ FT
T.E. FLAP AREA (THEO)	72.3	SQ FT
T.E. FLAP SHROUD AREA	17.0	SQ FT
INBOARD LEF AREA	30.7	SQ FT
OUTBOARD LEF AREA	15.6	SQ FT
TWIST	NONE	

LEADING EDGE EXTENSION (LEX)

EXPOSED AREA	63.6	SQ FT
LEX FUSELAGE INTERSECTION	X 17.40 Y 201.83 Z 118.50	
L.E. SWEEP	47	DEG

HORIZONTAL TAIL

AREA	120.0	SQ FT
ASPECT RATIO	2.23	
TAPER RATIO	0.55	
SPAN (REF)	16.36	FT THEORETICAL
ROOT CHORD	113.31	IN
TIP CHORD	62.74	IN
SWEEP (C/4)	43.53	DEG
DIHEDRAL	-3	DEG
AIRFOIL AND THICKNESS		
ROOT MOD NACA 65A W/SHARP LE	6.0 %	
TIP MOD NACA 65A W/SHARP LE	3.0 %	

VERTICAL TAIL

THEORETICAL TOTAL AREA	104.2	SQ FT
ASPECT RATIO	1.2	
TAPER RATIO	0.40	
HEIGHT	96.04	IN
ROOT CHORD	113.00	IN
TIP CHORD (THEORETICAL)	45.00	IN
SWEEP (C/4)	35	DEG
INCIDENCE	1	DEG TOE OUT
CANT	20	DEG OUTBOARD
AIRFOIL AND THICKNESS		
ROOT MOD NACA 65A W/SHARP LE	5.0 %	
TIP MOD NACA 65A W/SHARP LE	3.0 %	
RUDDER TOTAL AREA (THEO/ACT)	18.20 SQ FT / 15.60 SQ FT	

CONTROL SURFACE TRAVEL

AILERONS	±25 DEG
DROOPED AILERONS	42 DEG MAX
INBOARD L.E. FLAPS	0 DEG UP, 34 DEG DOWN
OUTBOARD L.E. FLAPS	0 DEG UP, 34 DEG DOWN
T.E. FLAPS	0 DEG UP, 45 DEG DOWN (PROVISION FOR 8 DEG UP)
RUDDERS	±40 DEG
DIFFERENTIAL STABILATOR - L.E.	±10 DEG FROM PITCH TRIM POINT
SYMMETRICAL STABILATOR L.E.	20 DEG UP, 24 DEG DOWN
MAX STABILATOR TRAVEL - L.E.	20 DEG UP, 24 DEG DOWN

SPEED BRAKE

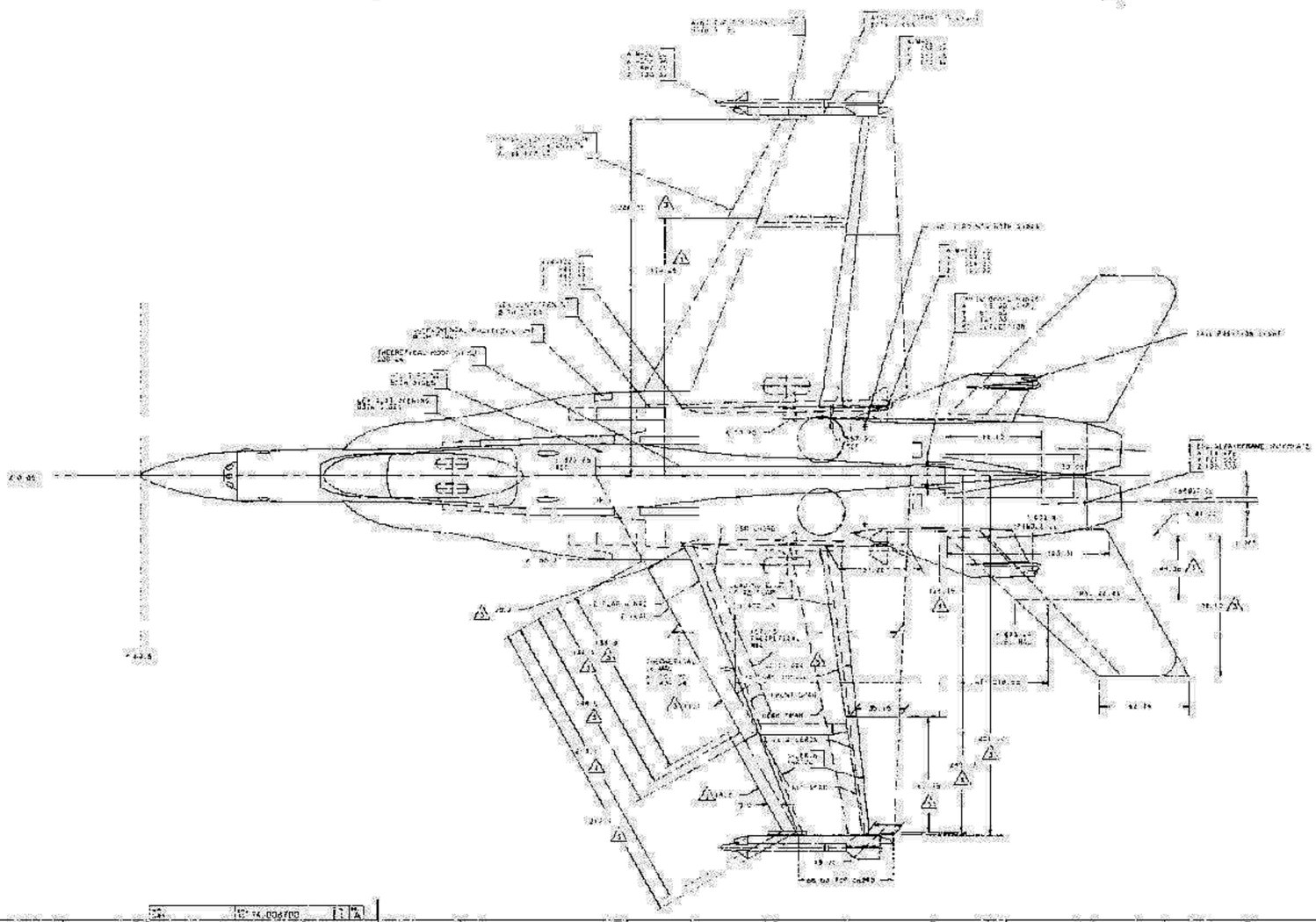
AREA	13.9	SQ FT
TRAVEL	60	DEG

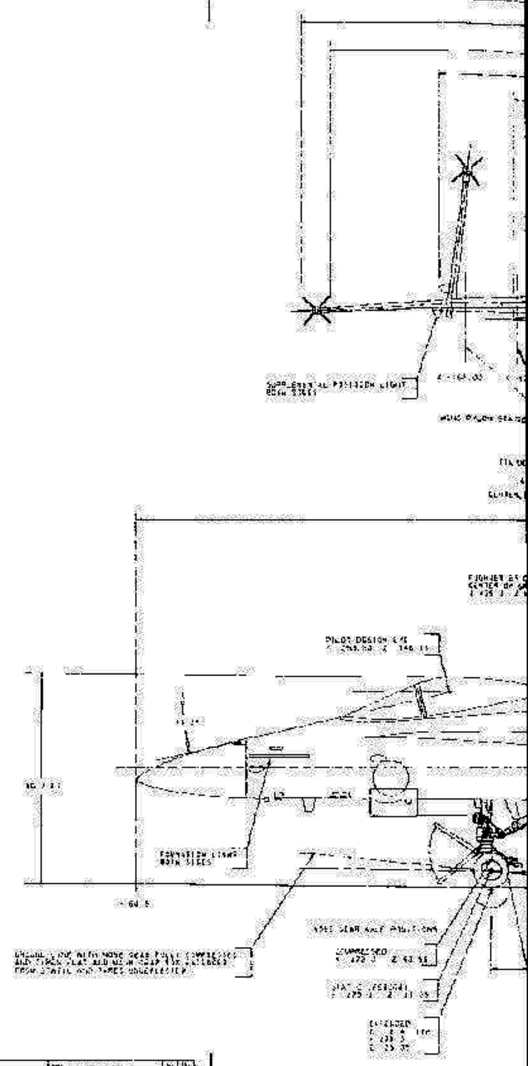
PROPULSION (2) UPRATED F404 TURBOFAN ENGINES

McDONNELL DOUGLAS

GENERAL ARRANGEMENT - F/A-18E

76301 74J008700






K-K
L-L
M-M
N-N
P-P
R-R
S-S
SHEER VIEWS & SECTION CUTS
EFFECTIVE ON USN SERIAL NUMBERS:
16XXXX-16XXXX, 16XXXX-16XXXX, 16XXXX-16XXXX,
16XXXX-16XXXX, 16XXXX-16XXXX, 16XXXX-16XXXX.
REF MCAIR AIRCRAFT NUMBERS XXX-XXX (LOT XIX)
McDONNELL DOUGLAS
INBOARD PROFILE
F/A-18E
SINGLE PLACE AIRPLANE
76301
ADV18-A00-08
SCALE (INCHES)
ZONES 1-26

A-A

B-B

C-C

D-D

E-E

F-F

G-G

H-H

J-J

K-K

T-T

U-U

V-V

W-W

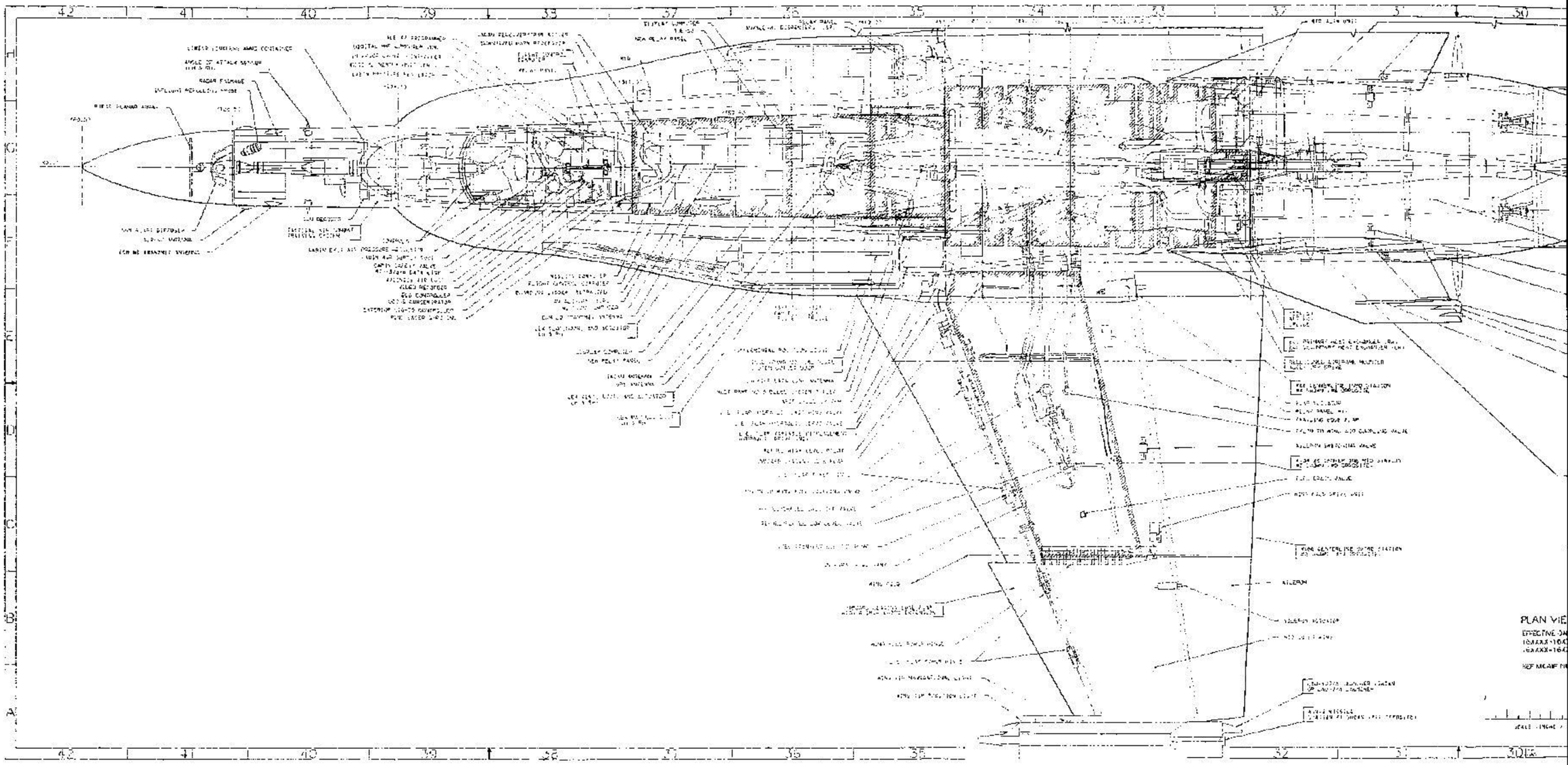
RH SIDE

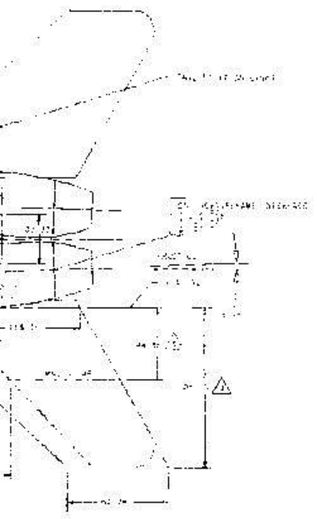
PLAN VIEW

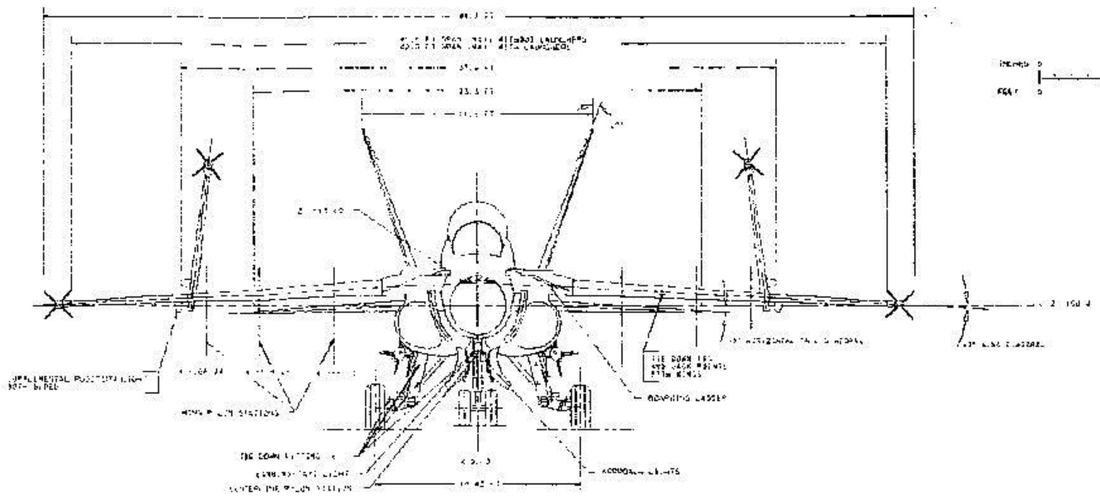
EFFECTIVE ON JSN SERIAL NUMBERS
16XXAA-16AXXX, 16AAXX-16GXXX, 16XXXK-16KXXK,
16GAAK-16KXXX, 16AAXX-16KAAX, 16AXXK-16KXXK,

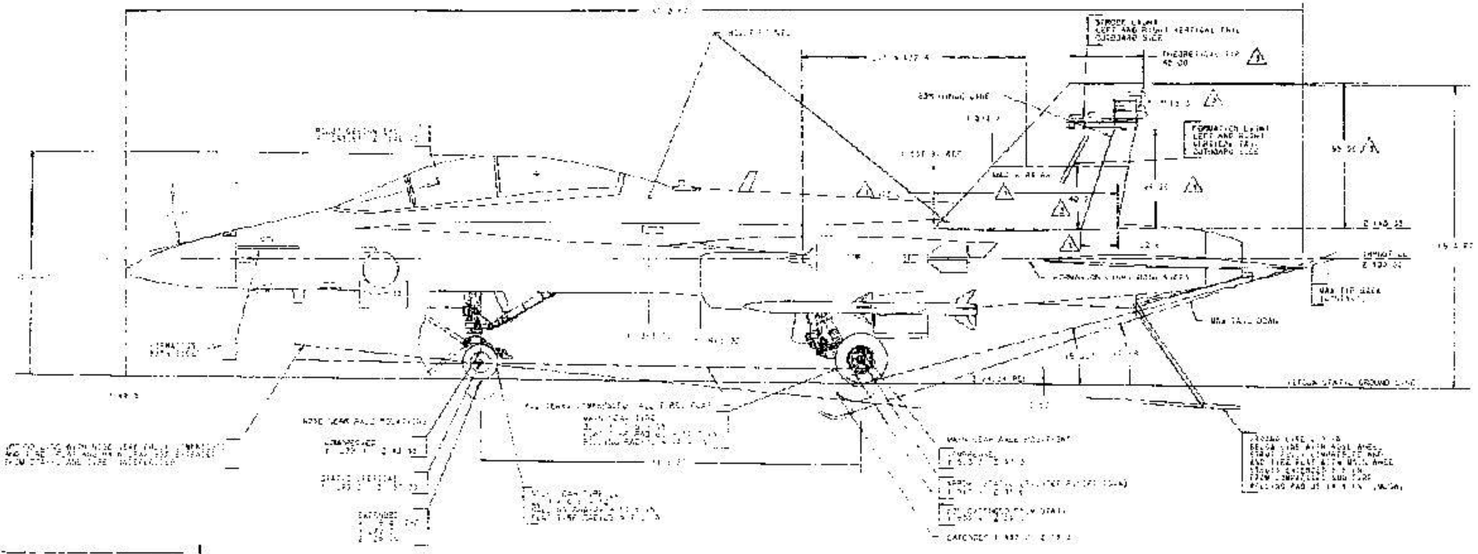
REF MCAIR NUMBERS AAX-XXX (LIST AIA)

WEDGE PROFILE
F/A-18E
SINGLE PLACE AIRPLANE
76301 ADV18-A00-08


PLAN VIE







PHYSICAL CHARACTERISTICS

WING

AREA	530.0	SQ FT THEORETICAL
ASPECT RATIO	3.50	
TAPER RATIO	0.307	
SPAN AT MRP (WITHOUT LAUNCHERS)	43.05	FT
ROOT CHORD	220.26	IN THEORETICAL
TIP CHORD	68.69	IN THEORETICAL
SWEEP (C/4)	32.91	DEG
DIHEDRAL	+3	DEG
INCIDENCE	0	DEG
AIRFOIL AND THICKNESS		
MRP 61.560	NOD NACA 65A SHARP L.E.	6.4 %
MP 172.250	NOD NACA 65A SHARP L.E.	4.5 %
TIP	NOD NACA 65A SHARP L.E.	4.5 %
AILERON AREA	31.7	SQ FT
AILERON SHROUD AREA	7.2	SQ FT
T.E. FLAP AREA (INBD)	17.3	SQ FT
T.E. FLAP SHROUD AREA	3.9	SQ FT
INBOARD LEF AREA	14.9	SQ FT
OUTBOARD LEF AREA	13.6	SQ FT
TWIST	NONE	

LEADING EDGE EXTENSION (LEX)

EXPOSED AREA	97.4	39 FT
LEX FUSELAGE INTERSECTION	X	17.49 Y 231.18 Z 116.50
W.C. SPEED	MT	MCS

HORIZONTAL TAIL

AREA	120.4	SQ FT
ASPECT RATIO	2.23	
TAPER RATIO	0.556	
SPAN (MRP)	16.08	FT THEORETICAL
ROOT CHORD	113.31	IN
TIP CHORD	62.76	IN
SWEEP (C/4)	45.65	DEG
DIHEDRAL	-3	DEG
AIRFOIL AND THICKNESS		
ROOT NOD NACA 65A W/SHARP LE	6.0 %	
TIP NOD NACA 65A W/SHARP LE	6.0 %	

VERTICAL TAIL

THEORETICAL TOTAL AREA	194.2	SQ FT
ASPECT RATIO	1.7	
TAPER RATIO	0.49	
HEIGHT	25.37	IN
ROOT CHORD	113.39	IN
TIP CHORD (THEORETICAL)	65.38	IN
SWEEP (C/4)	55	DEG
INCIDENCE	1	DEG TOE OUT
CANT	20	DEG OUTBOARD
AIRFOIL AND THICKNESS		
ROOT NOD NACA 65A W/SHARP LE	6.0 %	
TIP NOD NACA 65A W/SHARP LE	6.0 %	
RUDDER TOTAL AREA (INBD/ACT)	48.20	SQ FT / 15.60 SQ FT

CONTROL SURFACE TRAVEL

AILERONS	+23	DEG
DROOPED AILERONS	41	DEG DOWN
INBOARD L.E. FLAPS	4	DEG UP, 38 DEG MAX
OUTBOARD L.E. FLAPS	4	DEG UP, 34 DEG MAX
T.E. FLAPS	3	DEG UP, 44 DEG MAX (PROVIDE 0% FOR 3 DEG UP)
RUDDER	±30	DEG
DIFFERENTIAL STABILATOR L.E.	+5	DEG FROM PITCH TRIM POINT
SYMMETRICAL STABILATOR L.E.	29	DEG UP, 14 DEG DOWN
MAT STABILATOR TRAVEL - L.E.	22	DEG UP, 24 DEG DOWN

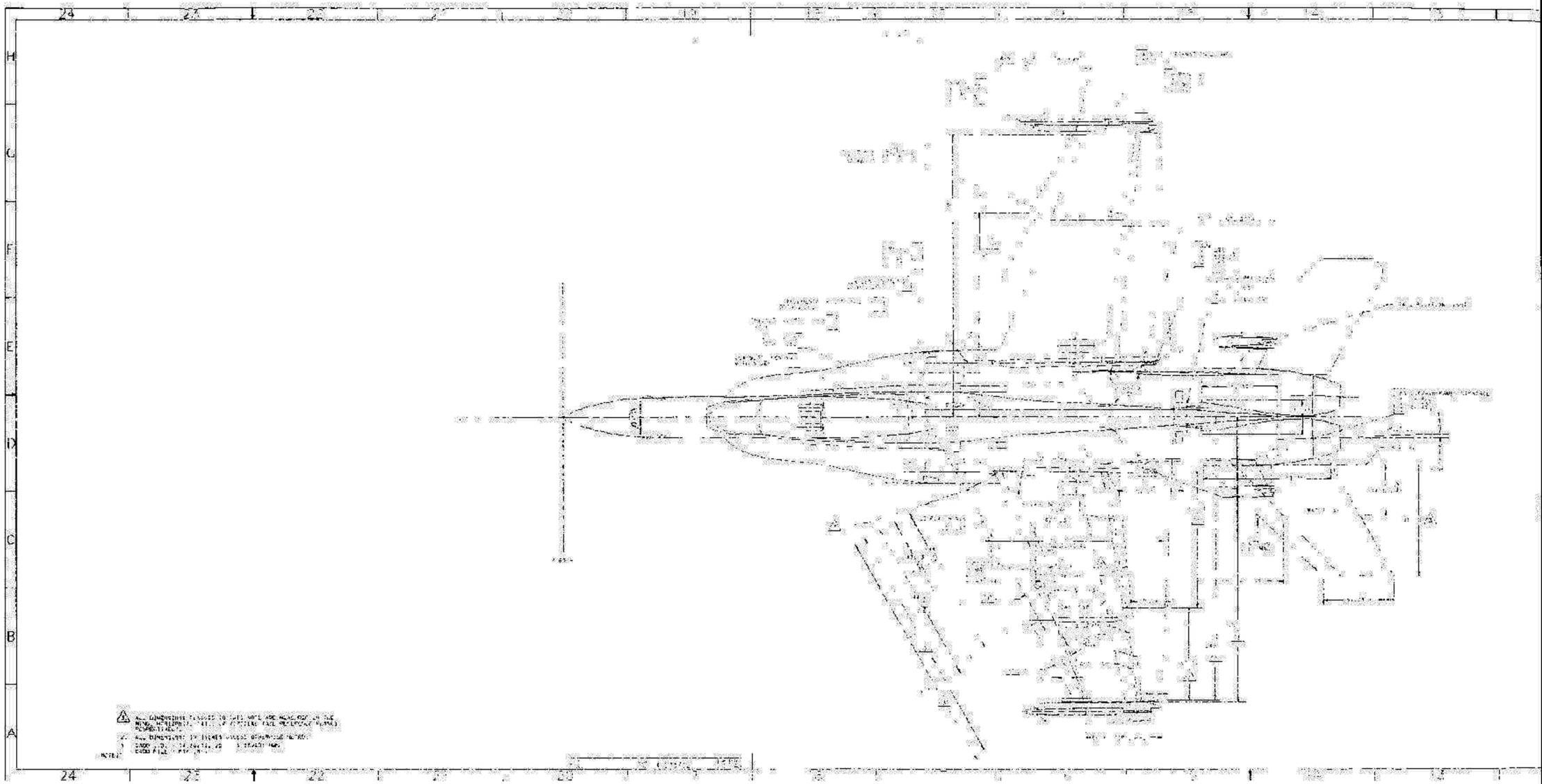
SPEED BRAKE

AREA	15.9	SQ FT
TRAVEL	60	DEG

MODULE 5199 - 12, UPRATED F404 EUROPEAN ENGINES

10.11 (Page 10.12 is blank)

MCDONNELL DOUGLAS		
GENERAL ARRANGEMENT- F/A-18F		
SIZE A	CAGE 76301	DWG NO 74J008702
SCALE 1/50		SHEET 1 OF 1



F-F

G-G

H-H

J-J

K-K

L-L

SHEER VIEWS & SECTION CUTS

EFFECTIVE ON USN SERIAL NUMBERS
16XXXX, 16XXXA, 15XXXA, 13XXXA,
16XXXX, 16AXXX, 16XXXX, 15AXXX

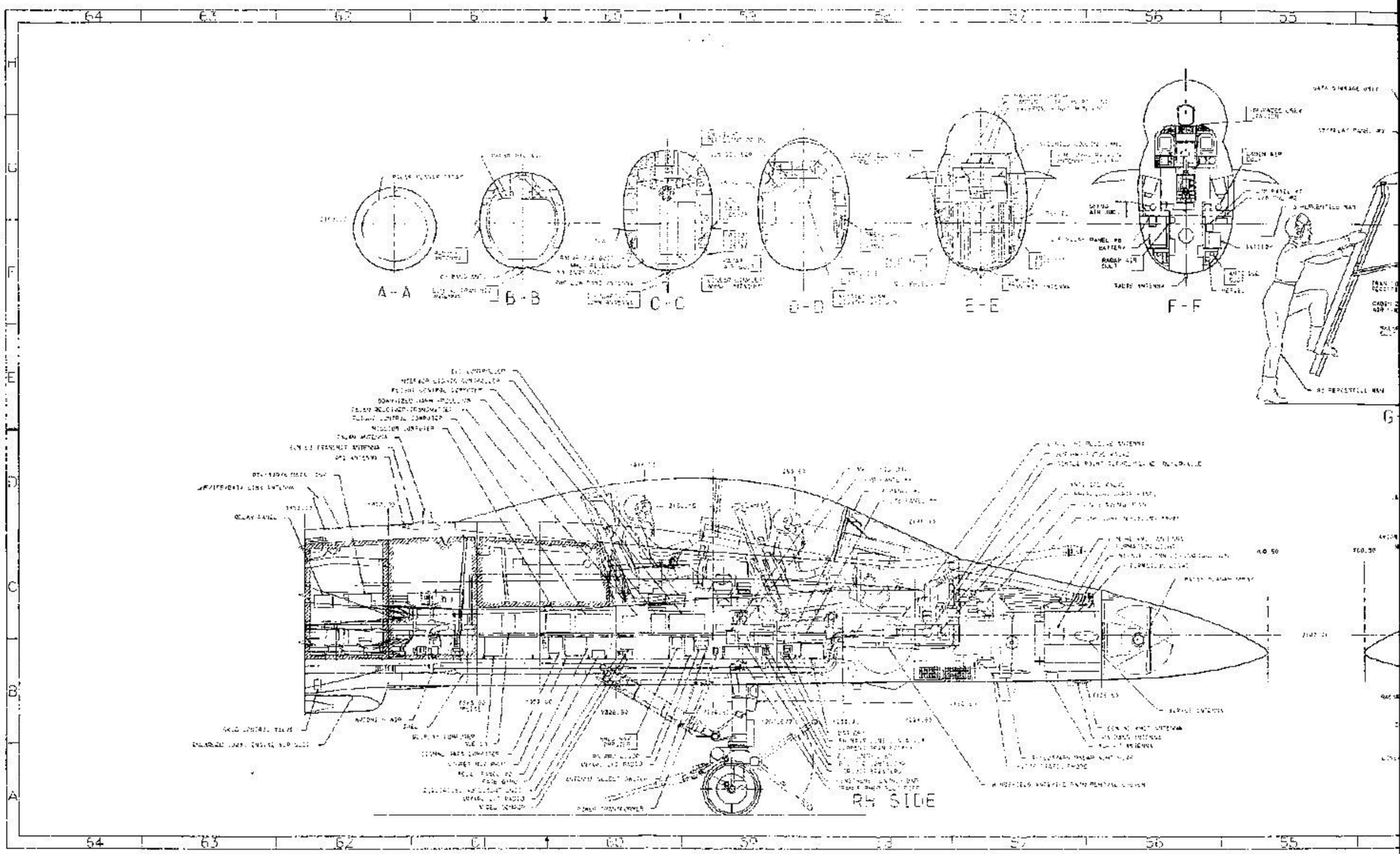
SEE MCAIR AIRCRAFT NUMBERS XXX-XXX (LOT XIX)

10.13 (Page 10.14 is blank)

MCDONNELL DOUGLAS

INBOARD PROFILE
F/A-18F
TWO PLACE AIRPLANE

J 76301 AOV18-A00-08


A-A
B-B
C-C
D-D
E-E
F-F
RH SIDE