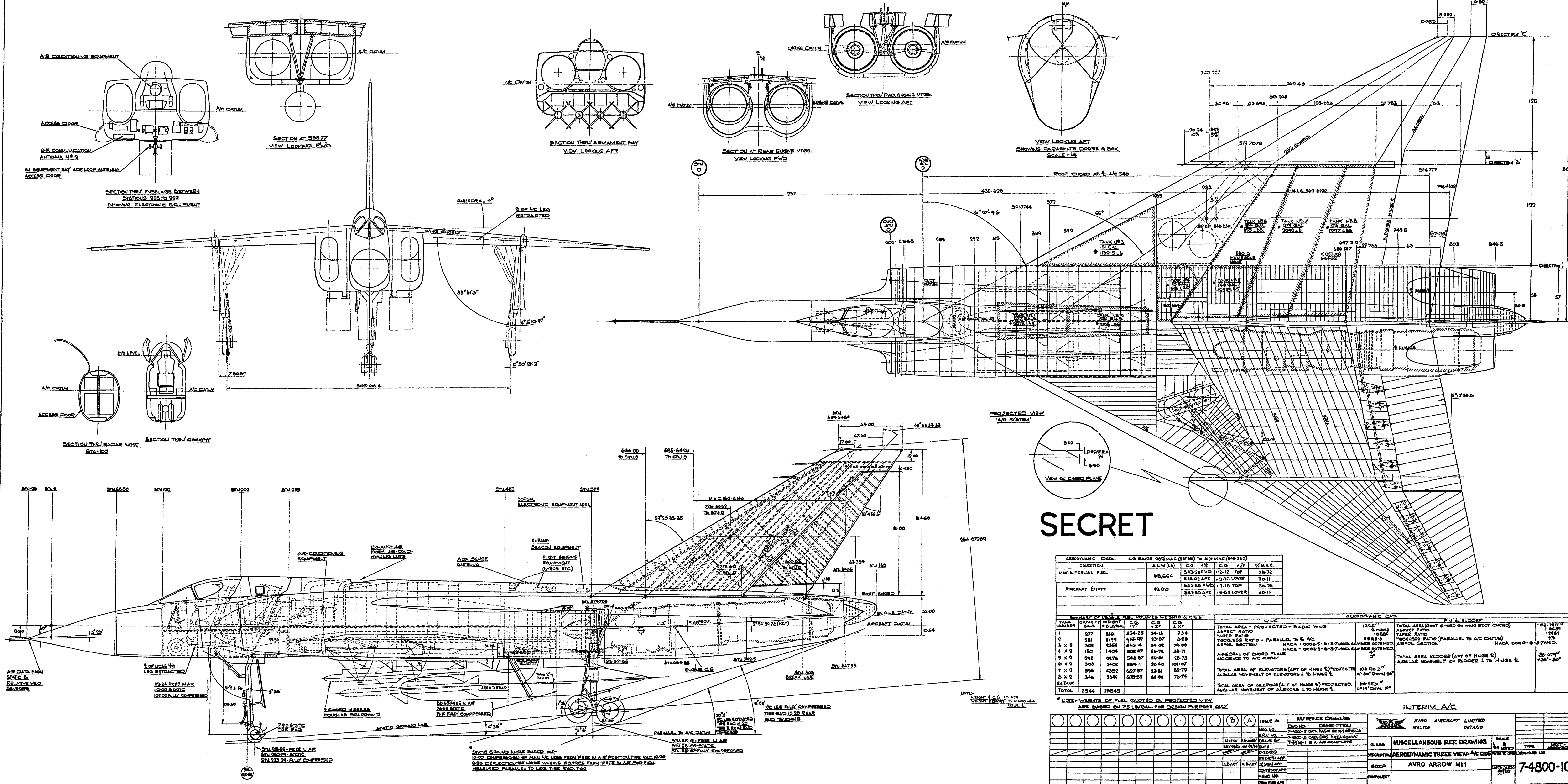




SECRET

AERODYNAMIC DATA - C.G. RANGE 28% MAC (547.34) TO 31% MAC (548.930)		CONDITION			
		A.W. (LB)	C.G. +1%	C.G. +2%	1/2 MAC
MAX. INTERNAL FUEL		68,664	543.59 FWD	12-12 TOP	28-72
			545.02 AFT	1-9-76 LOWER	30-11
AIRCRAFT EMPTY		48,821	543.50 FWD	7-16 TOP	30-25
			547.50 AFT	1-3-54 LOWER	30-11

SUMMARY OF USABLE FUEL VOLUMES, WEIGHTS & C.G.'S				AERODYNAMIC DATA			
TANK NUMBER	CAPACITY GALL.	WEIGHT LBS.	C.G. Y/F	C.G. X/F	WING	FIN & RUDDER	
1	277	2161	354-25	24-13	TOTAL AREA - PROTECTED - BASIC WING ASPECT RATIO TAPER RATIO THICKNESS RATIO - PARALLEL TO A/C AIRFOIL SECTION ANEMORAL OF CHORD PLANE INCIDENCE TO A/C DATUM TOTAL AREA OF ELEVATORS (AFT OF HINGE E) PROTECTED ANGULAR MOVEMENT OF ELEVATORS 1 TO HINGE E TOTAL AREA OF ALERONS (AFT OF HINGE E) PROTECTED ANGULAR MOVEMENT OF ALERONS 1 TO HINGE E	TOTAL AREA (ROOT CHORD ON WING ROOT CHORD) TAPER RATIO THICKNESS RATIO (PARALLEL TO A/C DATUM) AIRFOIL SECTION TOTAL AREA RUDDER (AFT OF HINGE E) ANGULAR MOVEMENT OF RUDDER 1 TO HINGE E	188-7917 1-0434 2462 4% 36-1679 +30°-30°
2	281	2192	433-09	23-07			
3	306	2355	446-14	24-02			
4	180	1404	502-47	26-76			
5	242	2276	548-07	26-61			
6	308	2402	588-11	28-40			
7	2	558	4352	22-81			
8	346	2699	678-52	24-92			
TOTAL	2544	19845					

* NOTE: WEIGHTS OF FUEL QUOTED ON PROJECTED VIEW ARE BASED ON 7.5 LBS/GAL FOR DESIGN PURPOSE ONLY

REFERENCE DRAWINGS				INTERIM A/C			
CHG. NO.	DESCRIPTION	CHG. NO.	DESCRIPTION	CLASS	MISCELLANEOUS REF. DRAWING	SCALE	TYPE
7-4300-2	DATA BASIC GEOM. ORIGIN	7-4300-3	DATA DRG. BREAKDOWN	GROUP	AVRO ARROW Mk1	1/4" = 1'-0"	TYPE
7-4300-1	S.A. A/C COMPLETE	7-4300-1	S.A. A/C COMPLETE	COMPONENT	AVRO ARROW Mk1	DATE DATED	7-4800-10