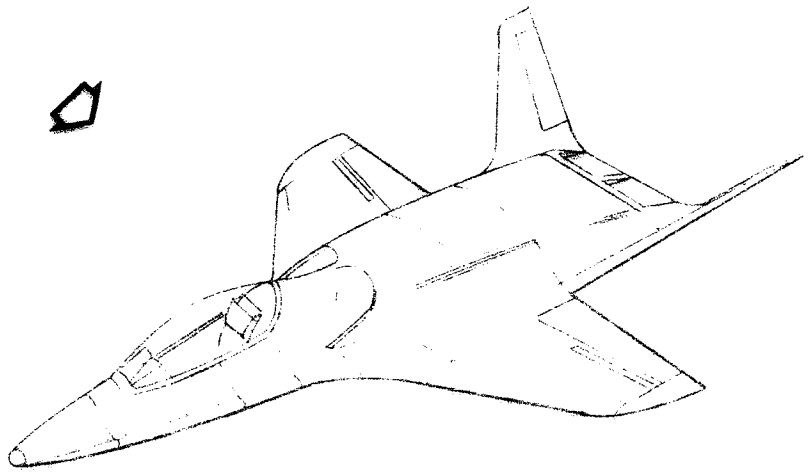
TECHNOLOGY FOCAL POINTS

STEALTH

STOL

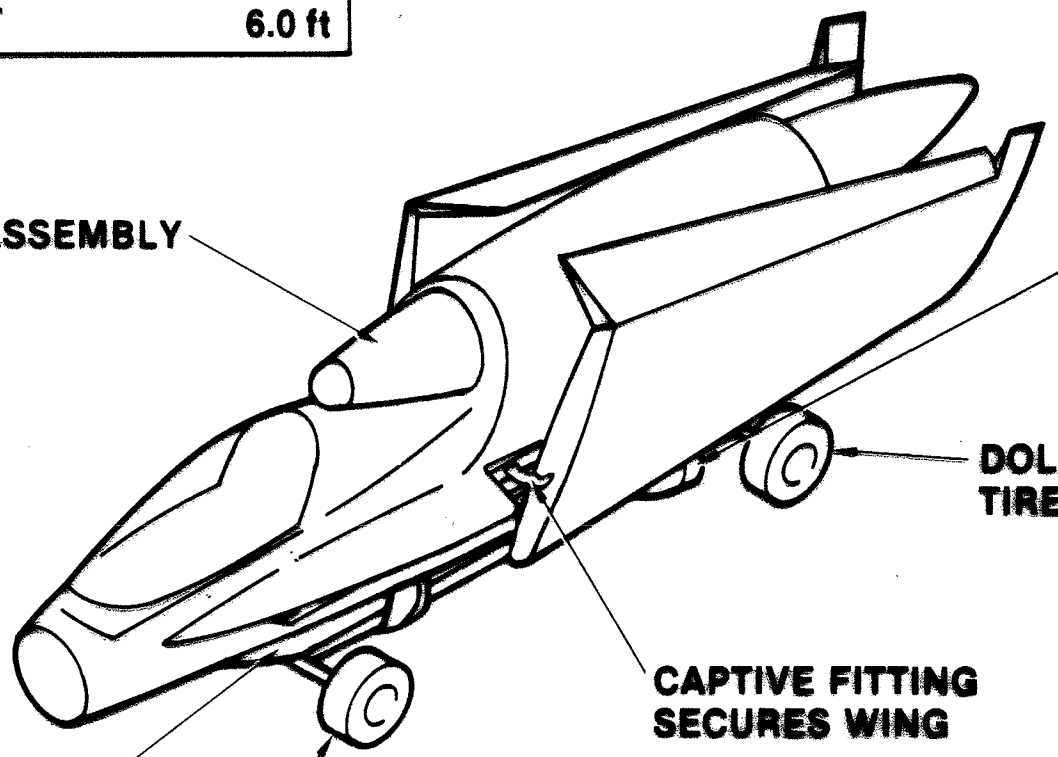


AVIONICS

WEAPONS

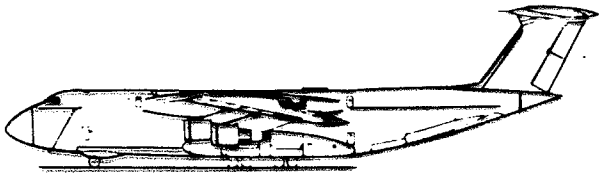
AIR TRANSPORTABLE FOR RDF

FOLDED DIMENSIONS	
LENGTH	24.5 ft
WIDTH	5.5 ft
HEIGHT	6.0 ft

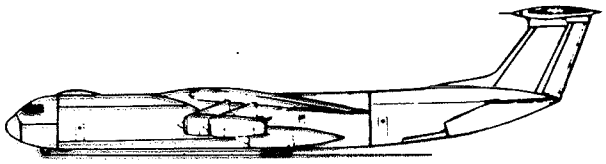


P0-1952-3

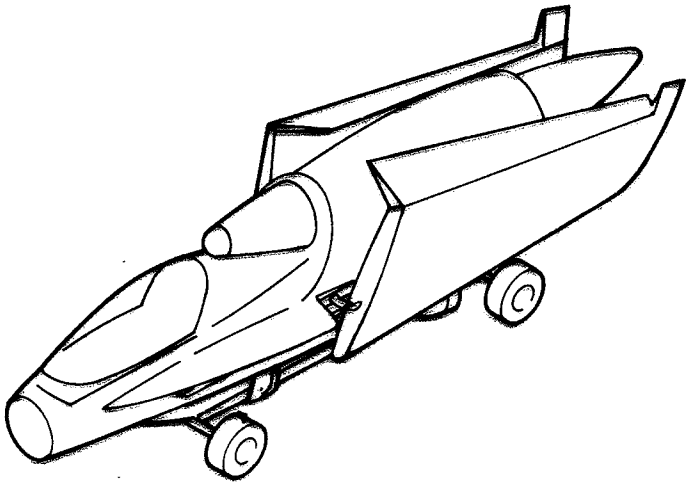
RAPID DEPLOYMENT FLEXIBILITY

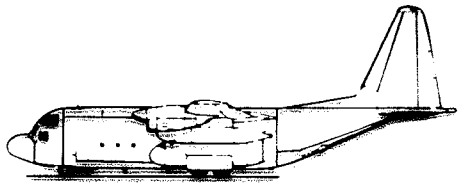


C-5A 15-30

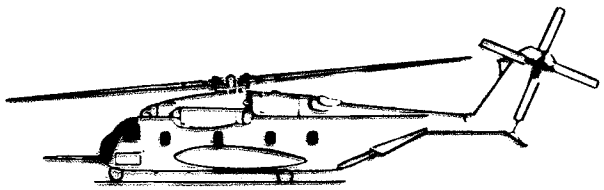


C-141B 4-8





C-130E 2-4

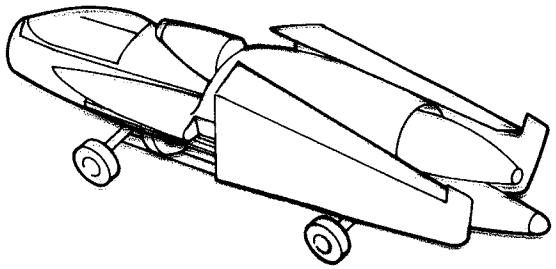


CH-53E 1-2

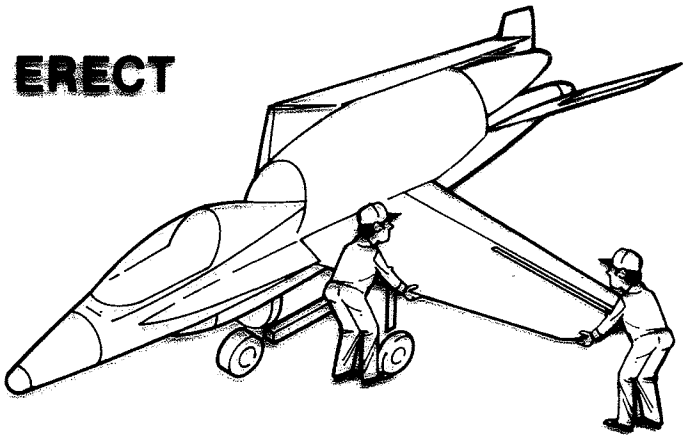
P0-1952-20

RAPID OPERATIONAL READINESS

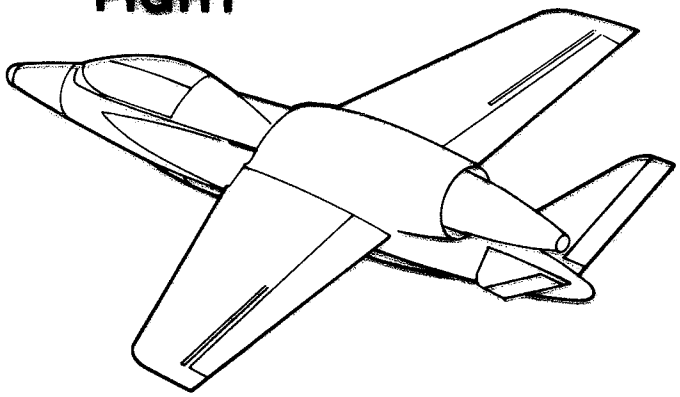
UNLOAD



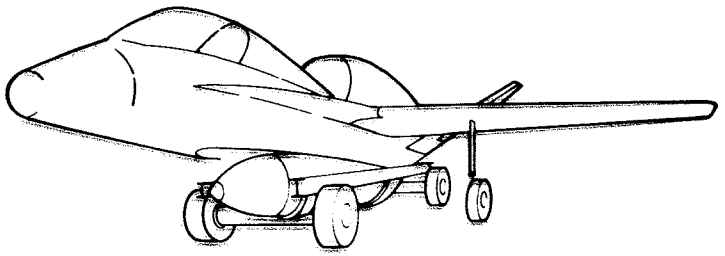
ERECT



FIGHT

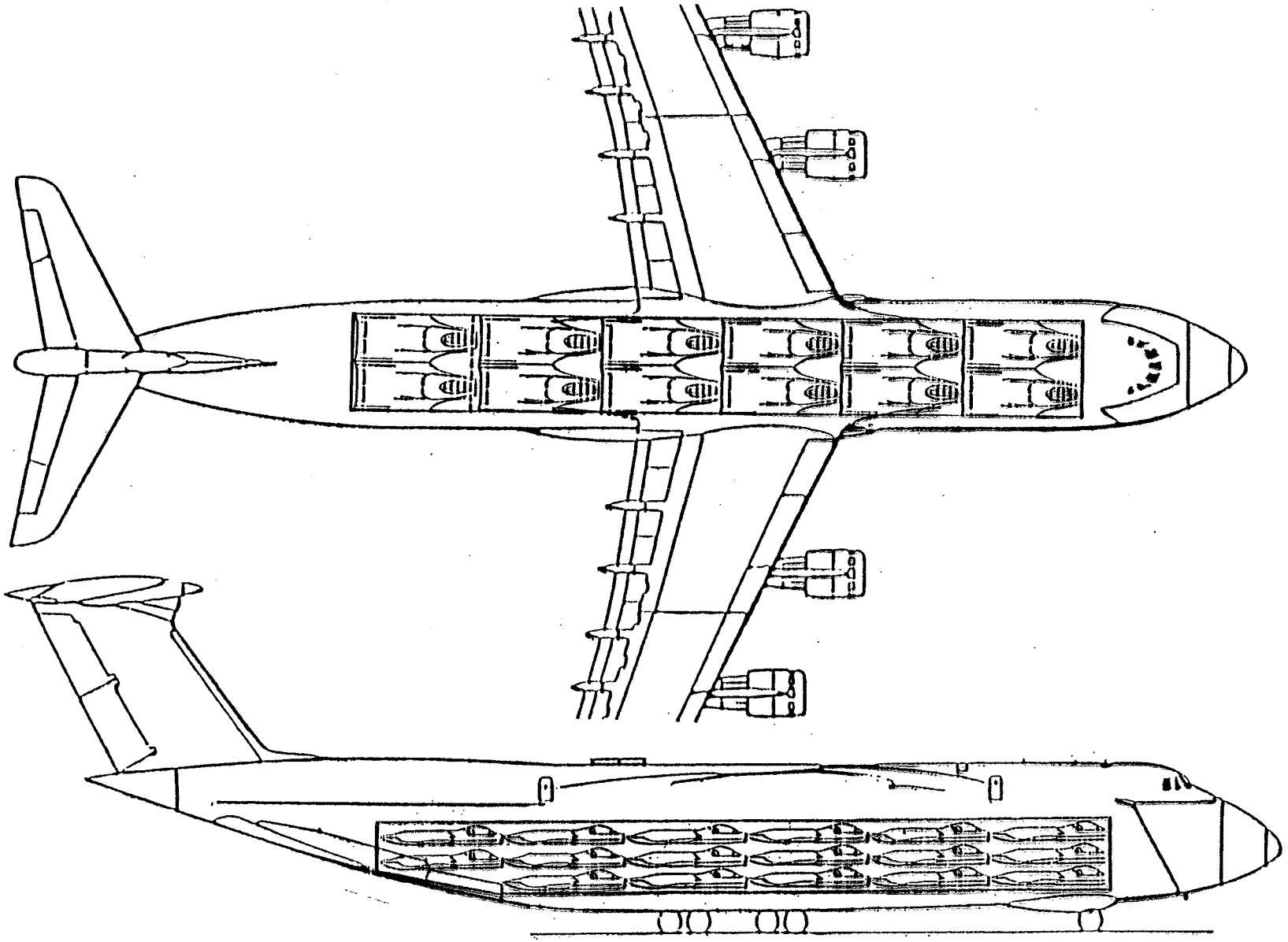


SERVICE



LTV Aircraft Products Group
ADVANCED CONCEPTS

EASILY TRANSPORTABLE ON C-5A

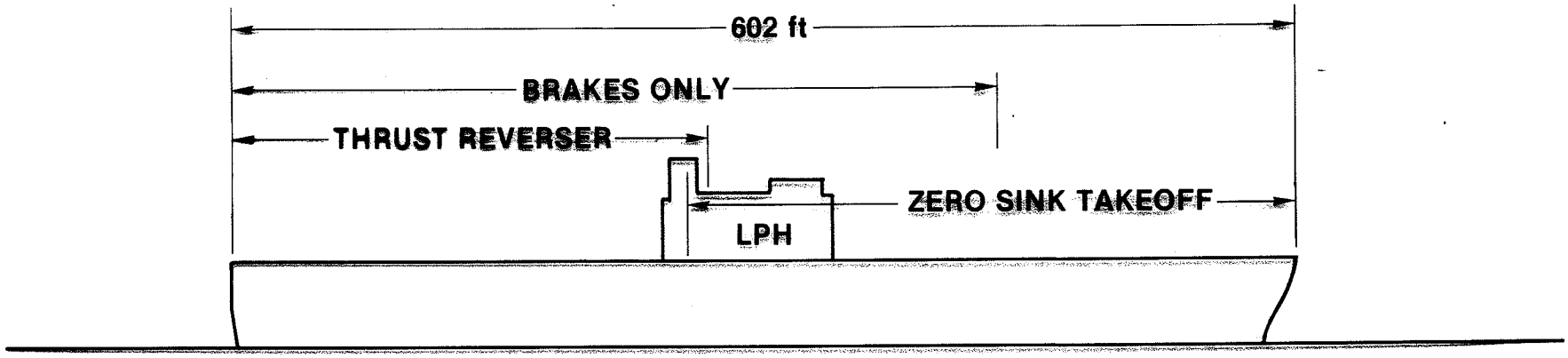


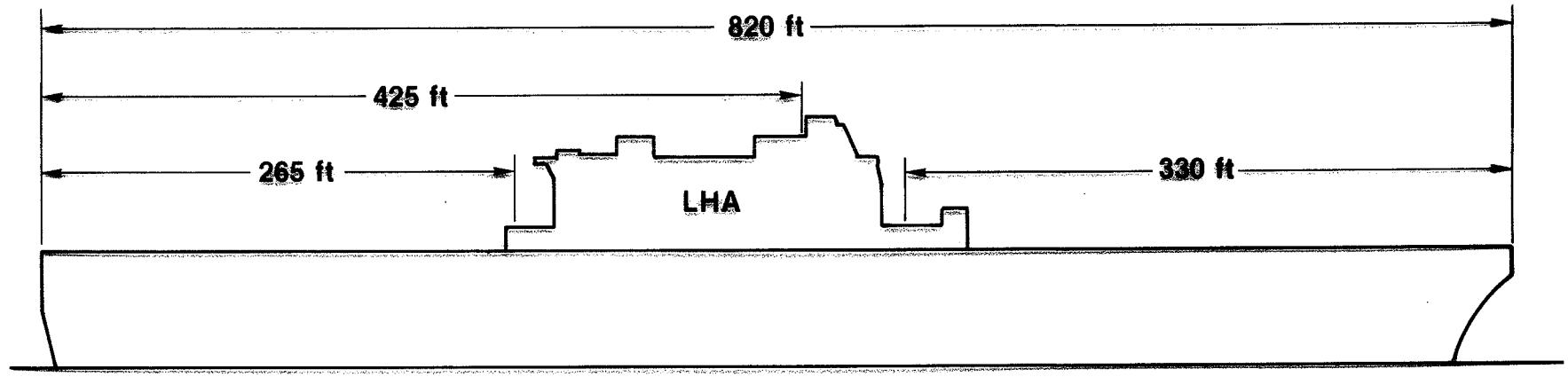
ATLAS

VOUGHT

NO CATAPULTS OR ARRESTING GEAR NEEDED

30 kn WOD, TROPICAL DAY





P0-1952-7

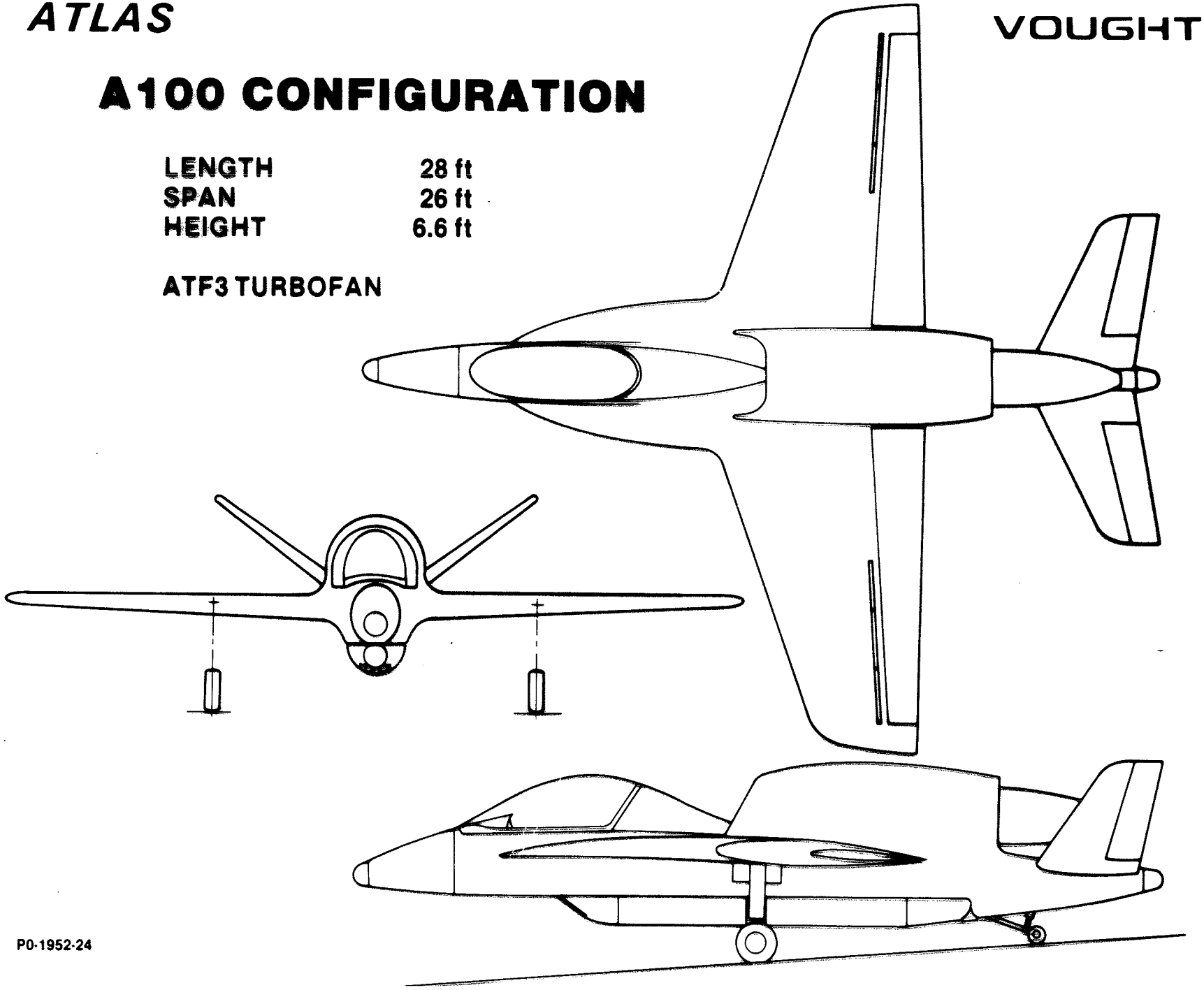
ATLAS

VOUGHT

A100 CONFIGURATION

LENGTH	28 ft
SPAN	26 ft
HEIGHT	6.6 ft

ATF3 TURBOFAN



P0-1952-24

A100 BASELINE CHARACTERISTICS

WEIGHTS -	TAKEOFF	6,960 lb
	EMPTY	3,900 lb
	FUEL	1,240 lb
	STORE	1,600 lb

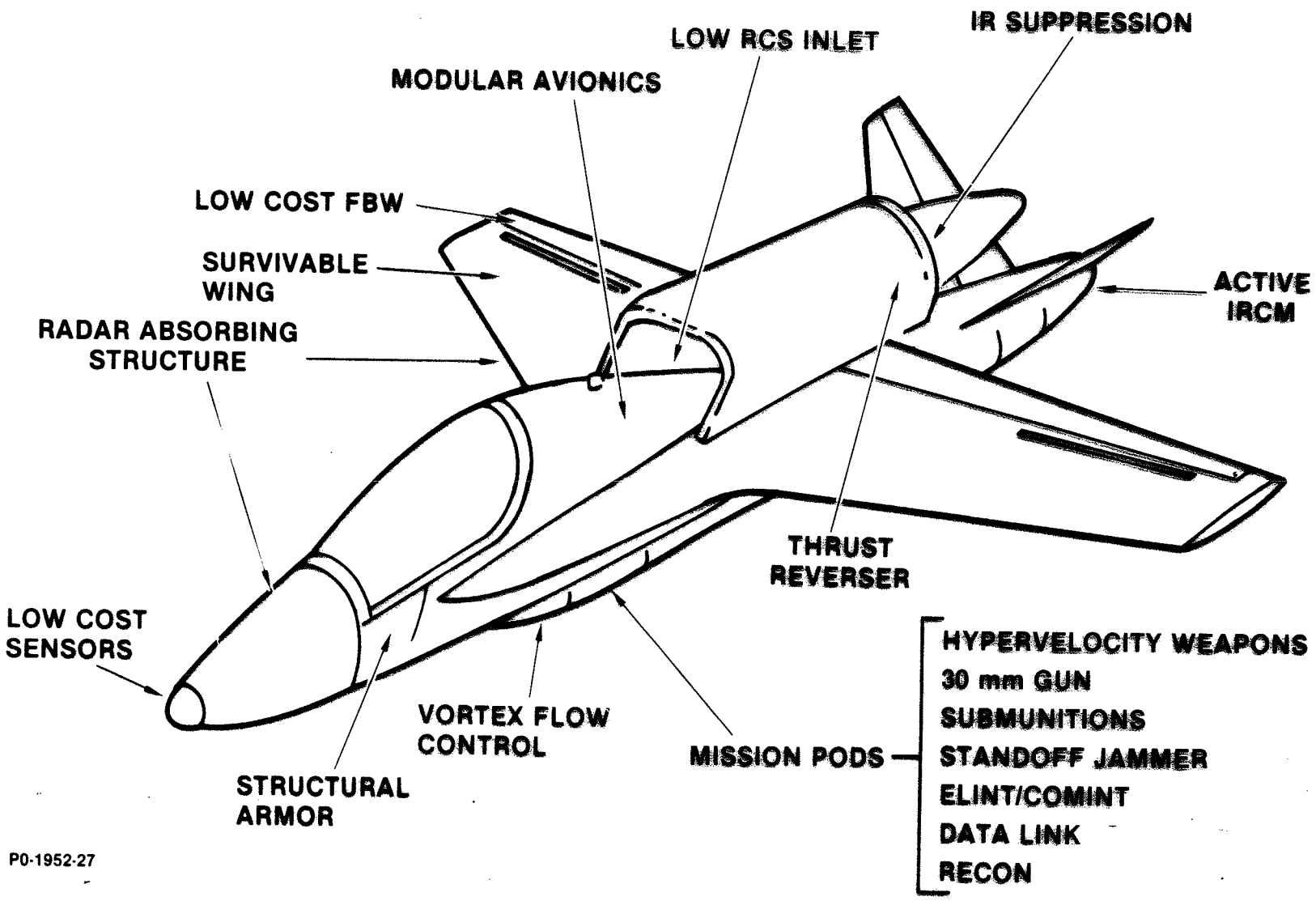
RADIUS OF ACTION - 100 nmi - FLEXIBLE OPERATIONS FROM AUSTERE SITES

FERRY RANGE - 1,450 nmi - INTRATHEATER RAPID DEPLOYMENT

SPEED, SEA LEVEL - MACH 0.8 - MINIMUM EXPOSURE TO SMALL CALIBER FIRE

SUSTAINED NZ, 200 kn - 3.0
MAXIMUM NZ, 200 kn - 4.3
} AGILITY, RE-ATTACK IN COMBAT AREA

TECHNOLOGY INTEGRATION



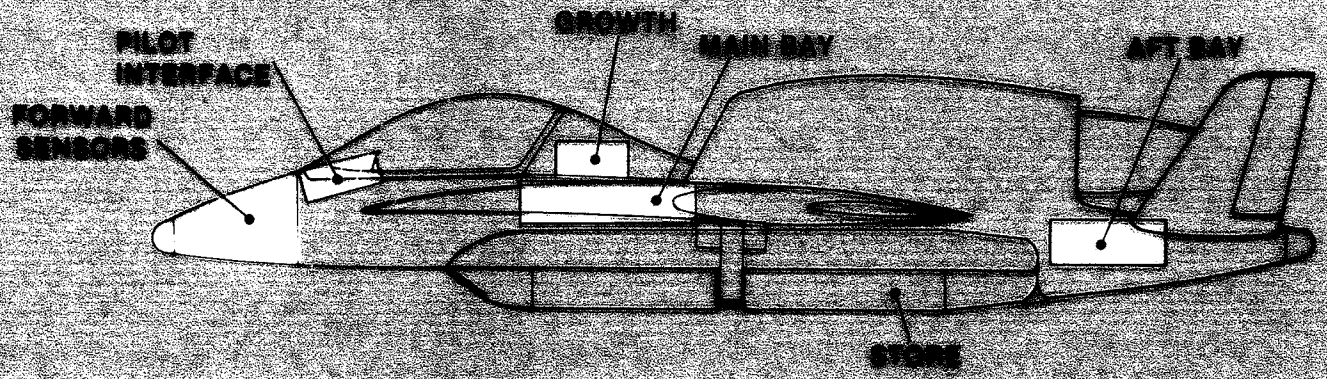
P0-1952-27

ATLAS

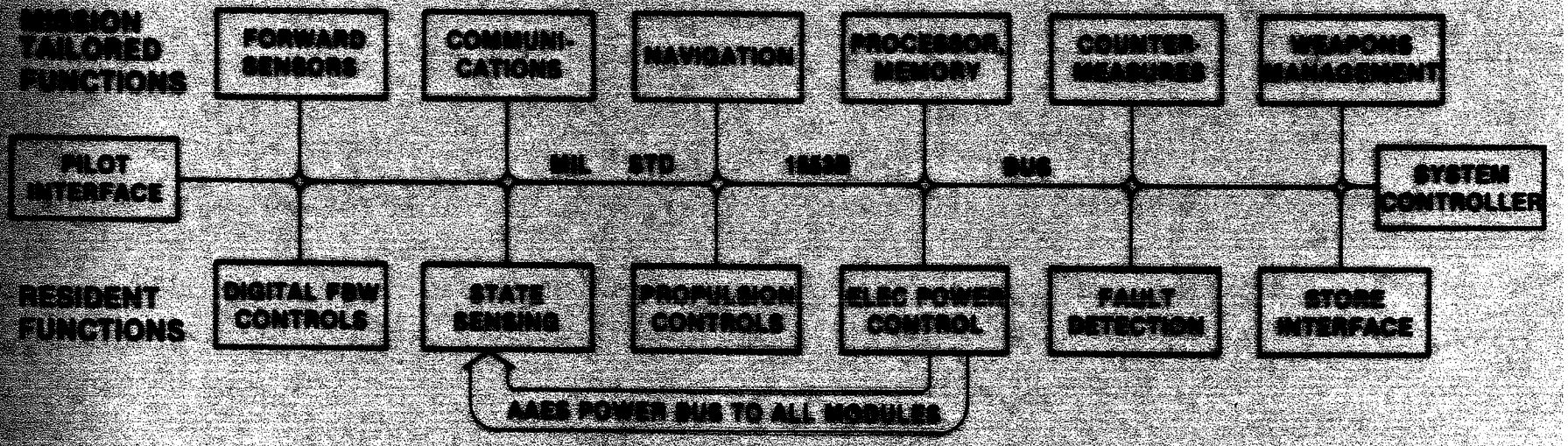
VOUGHT

MODULAR AVIONICS FACILITATES MISSION TAILORING

- MODULAR PACKAGING



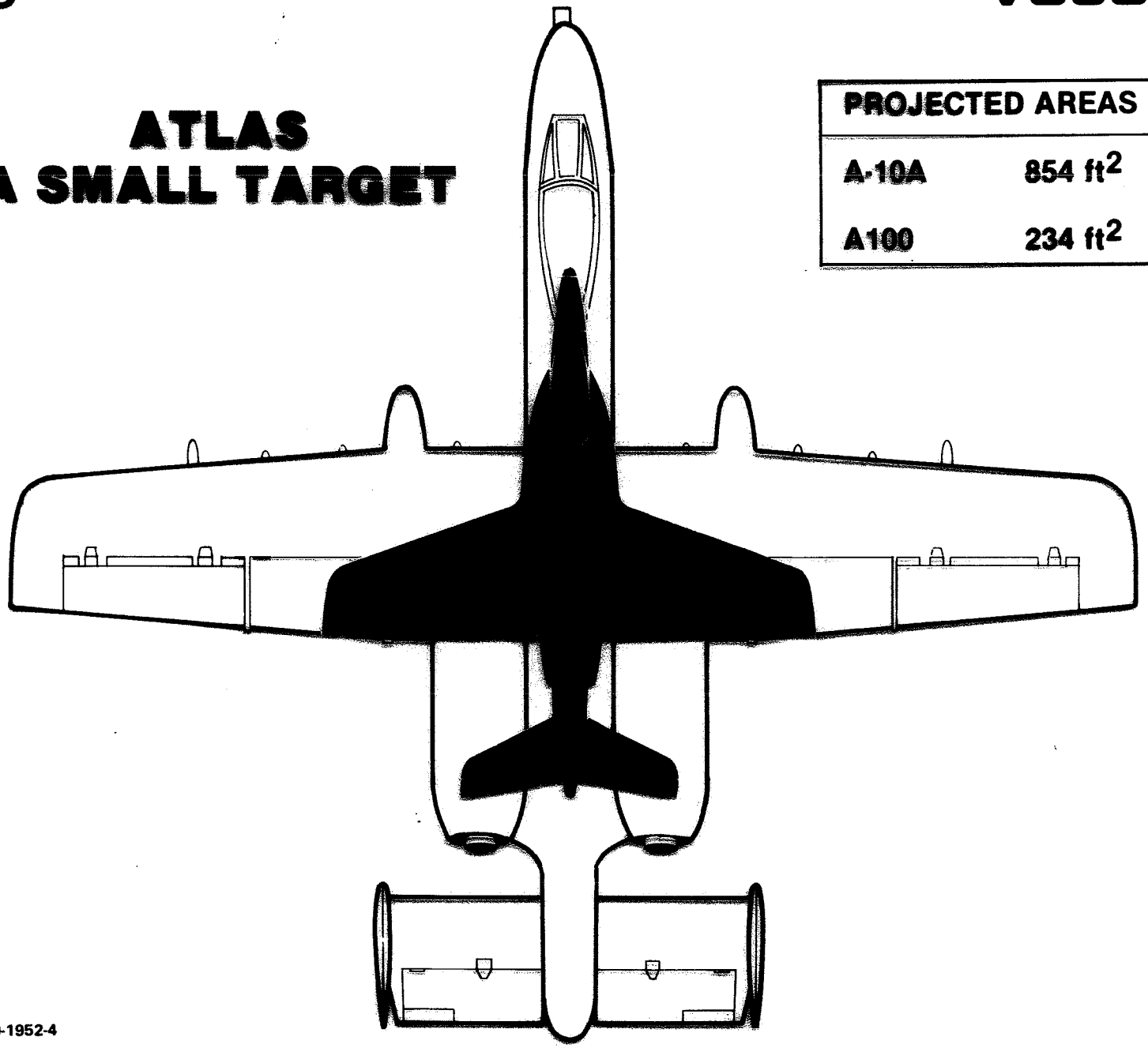
- DISTRIBUTED PROCESSING ARCHITECTURE



PD-1952-34

ATLAS
A SMALL TARGET

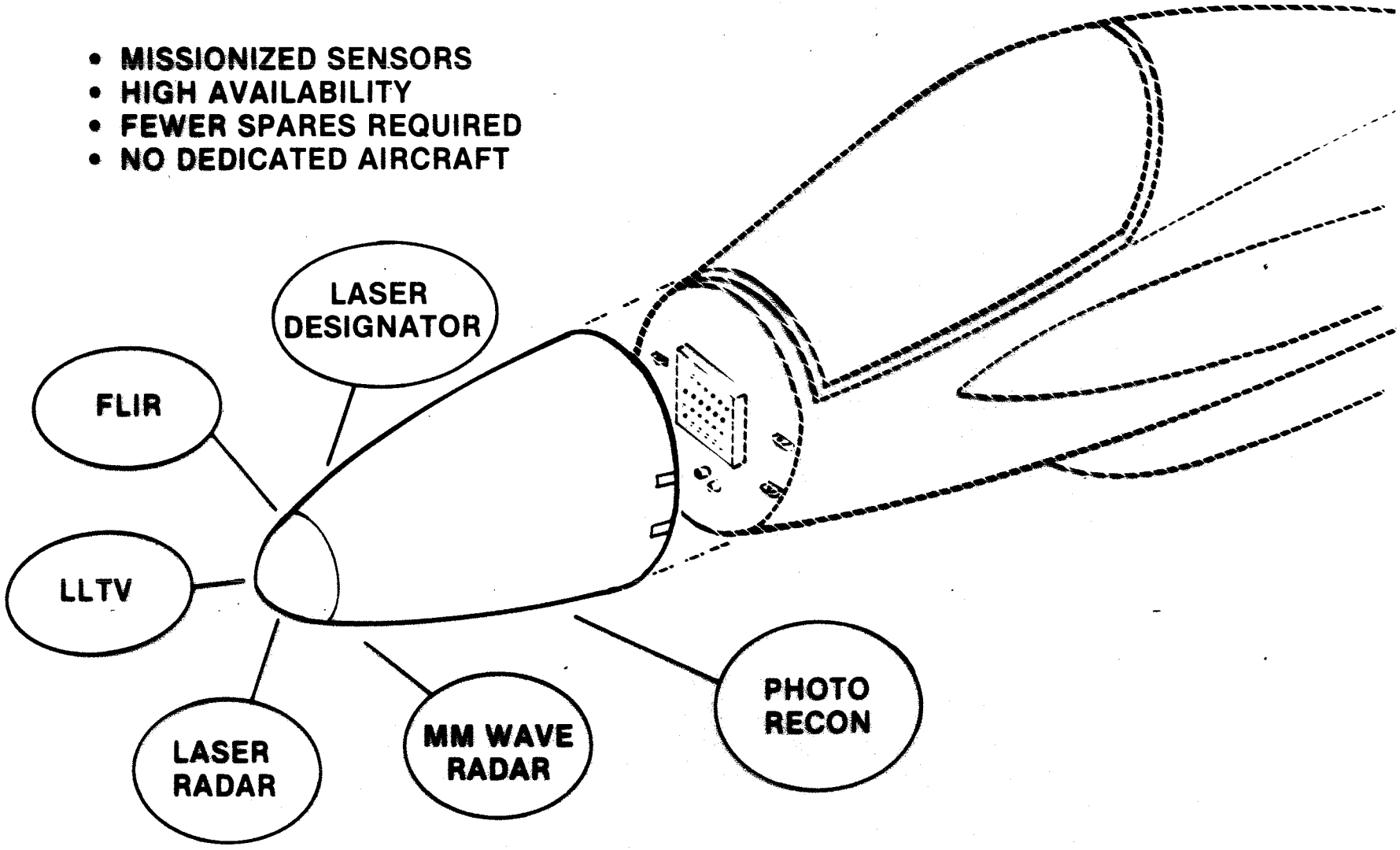
PROJECTED AREAS	
A-10A	854 ft^2
A100	234 ft^2



P0-1952-4

QUICK-CHANGE SENSOR MODULES

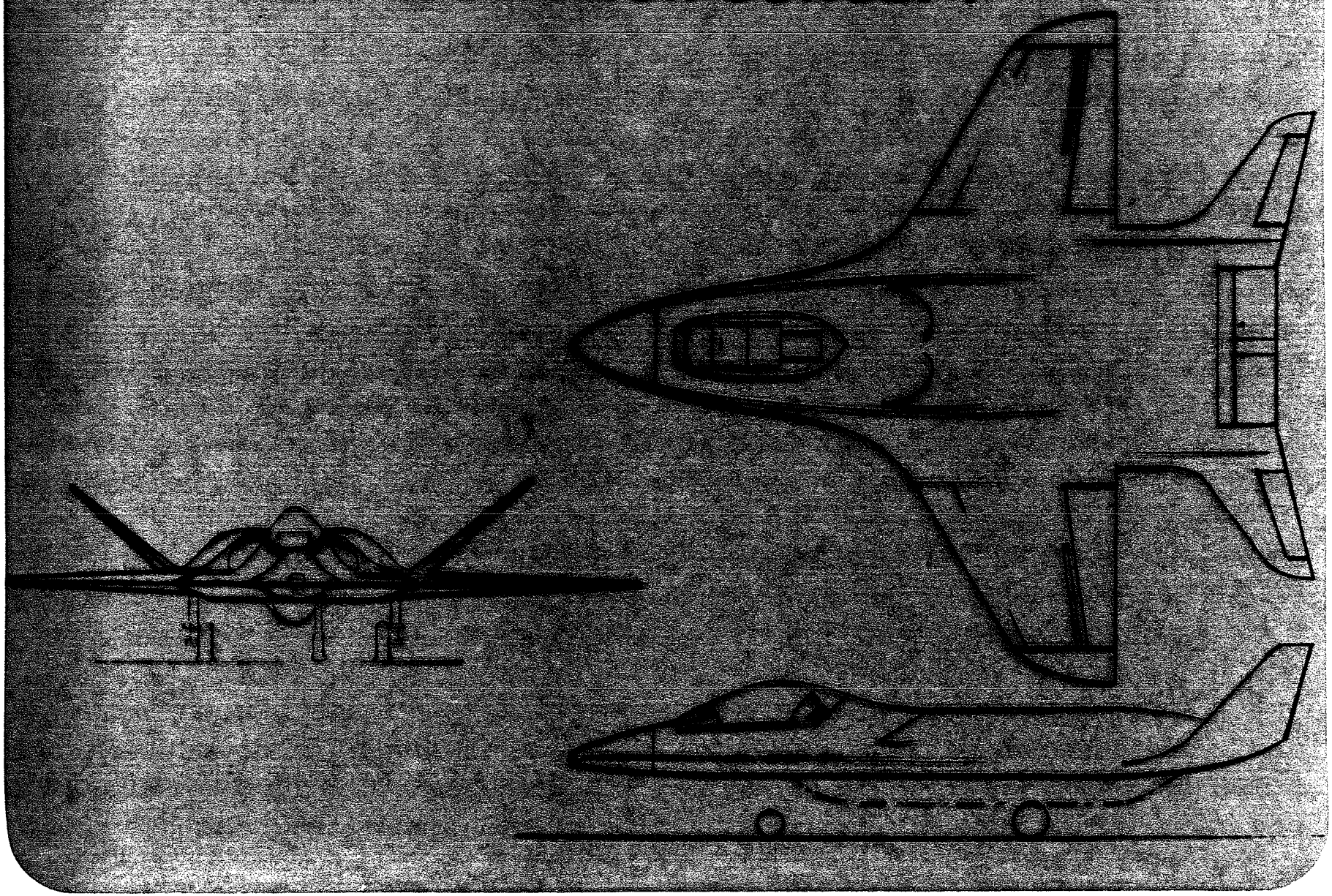
- MISSIONIZED SENSORS
- HIGH AVAILABILITY
- FEWER SPARES REQUIRED
- NO DEDICATED AIRCRAFT



ATLAS

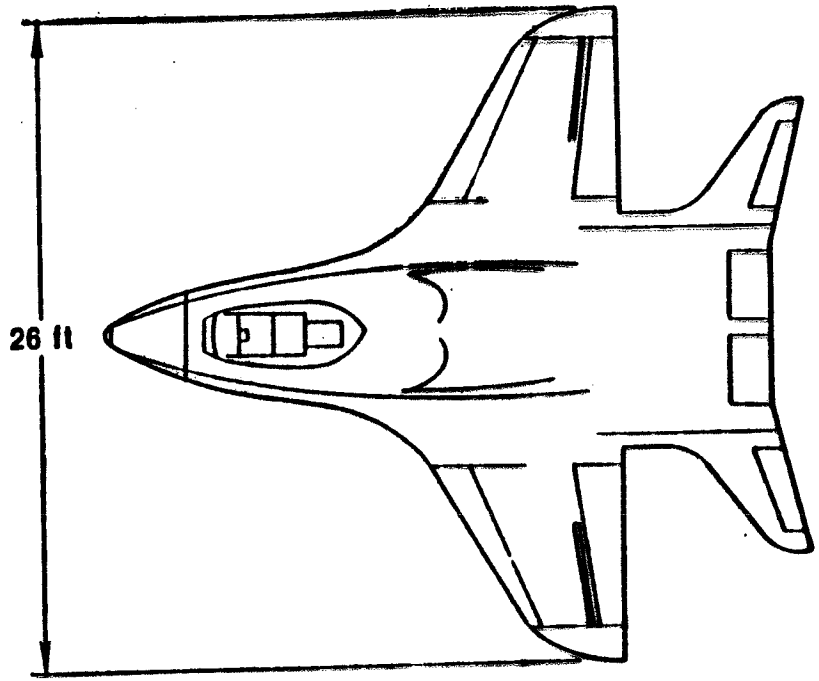
VOUGHT

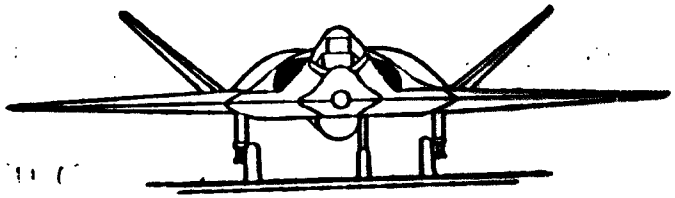
A200 CONFIGURATION CONCEPT

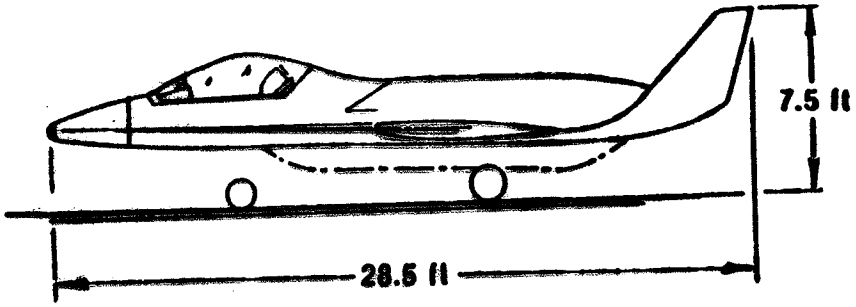


LTV Aircraft Products Group
ADVANCED CONCEPTS

ATLAS A201 CONFIGURATION

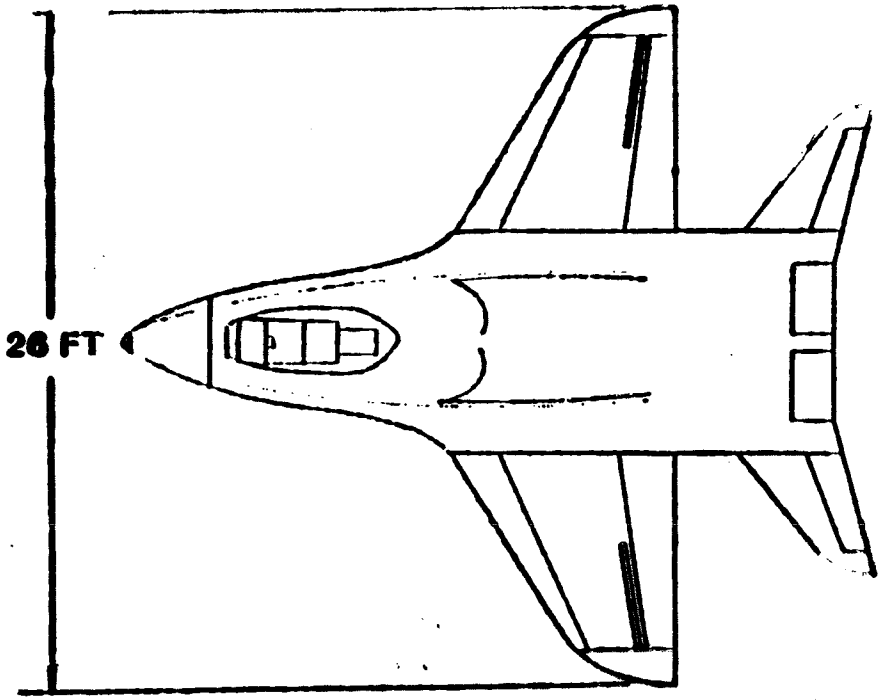




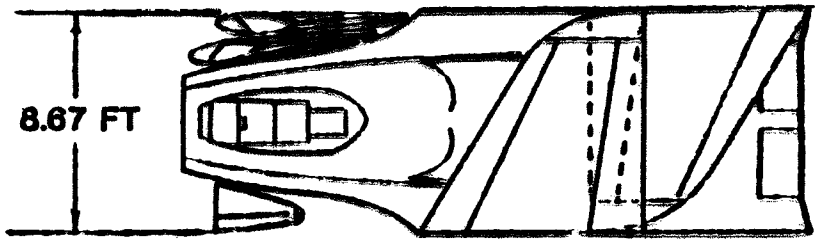


LTV Aircraft Products Group
ADVANCED CONCEPTS

AIR TRANSPORTABLE
LIGHT ATTACK SYSTEM

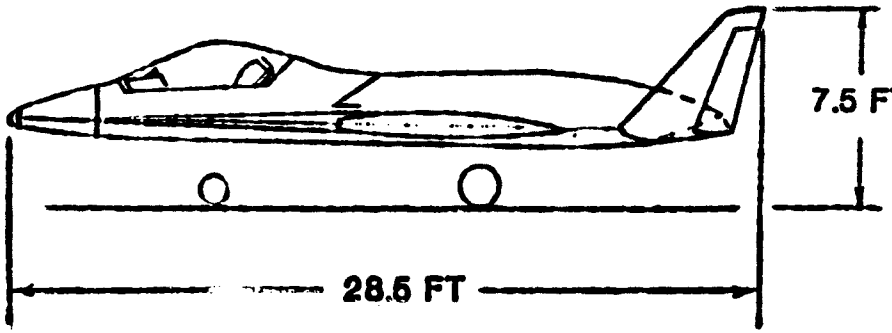


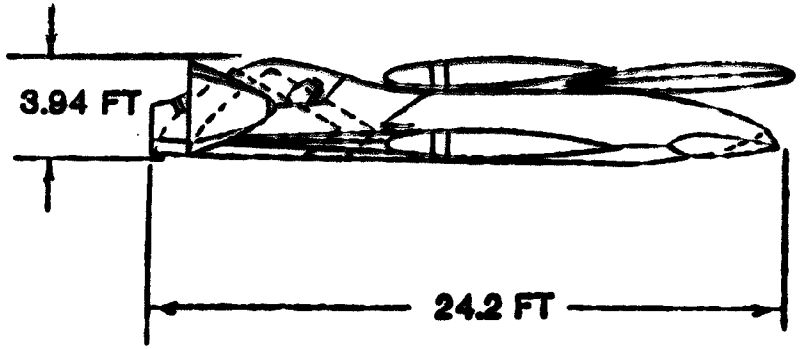
STACKING PALLET CONFIGURATION



28 IN C-5A

18 IN C-17A



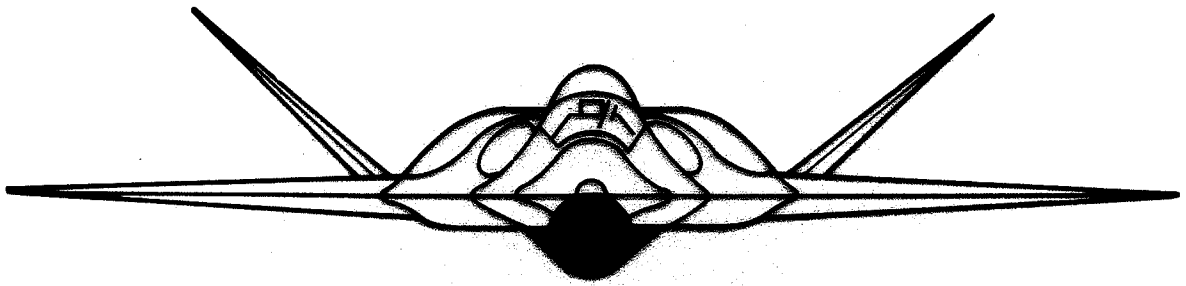


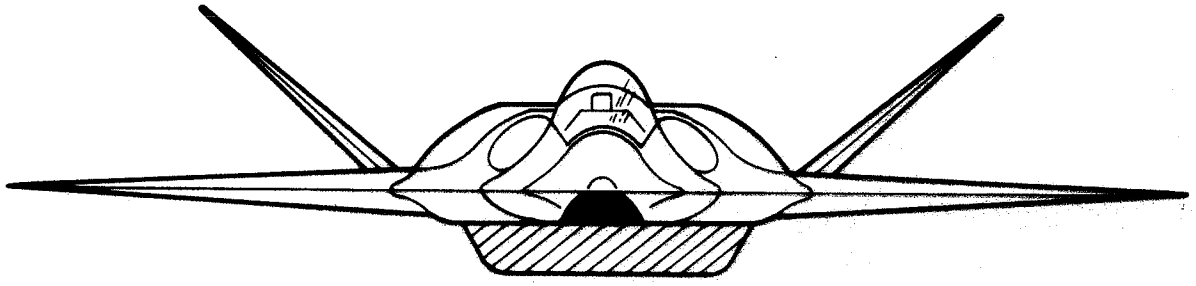
LTV Vought

ATLAS APPLICATION PACS VERSATILITY

DESIGN PAC

- 30 mm Gun
- Rotary Launcher
- 300-gal. Tank
- EW Package





MAXI PAC

- 150-gal. Cavity Tank
- 51 3.6 in. HVM
- 6 8.9 in. MLRS
- 500-gal. Ferry Tank

A200 ACHIEVES SUPERIOR PERFORMANCE

	A200	A100
TAKEOFF WEIGHT - LB	7,710	6,960
DESIGN MISSION FUEL - LB	1,550	1,240
DESIGN WEAPONS LOAD - LB	1,600	1,600
MAX MACH, SEA LEVEL	0.87	0.80
ACCEL TIME $0.3 \leq M \leq 0.6$ - SEC	19	29
SUSTAINED NZ, 300 KTS, SL	5.1	5.0
SEP M = 0.6, SL - FT/SEC	300	162
COMBAT CEILING - FT	48,600	—

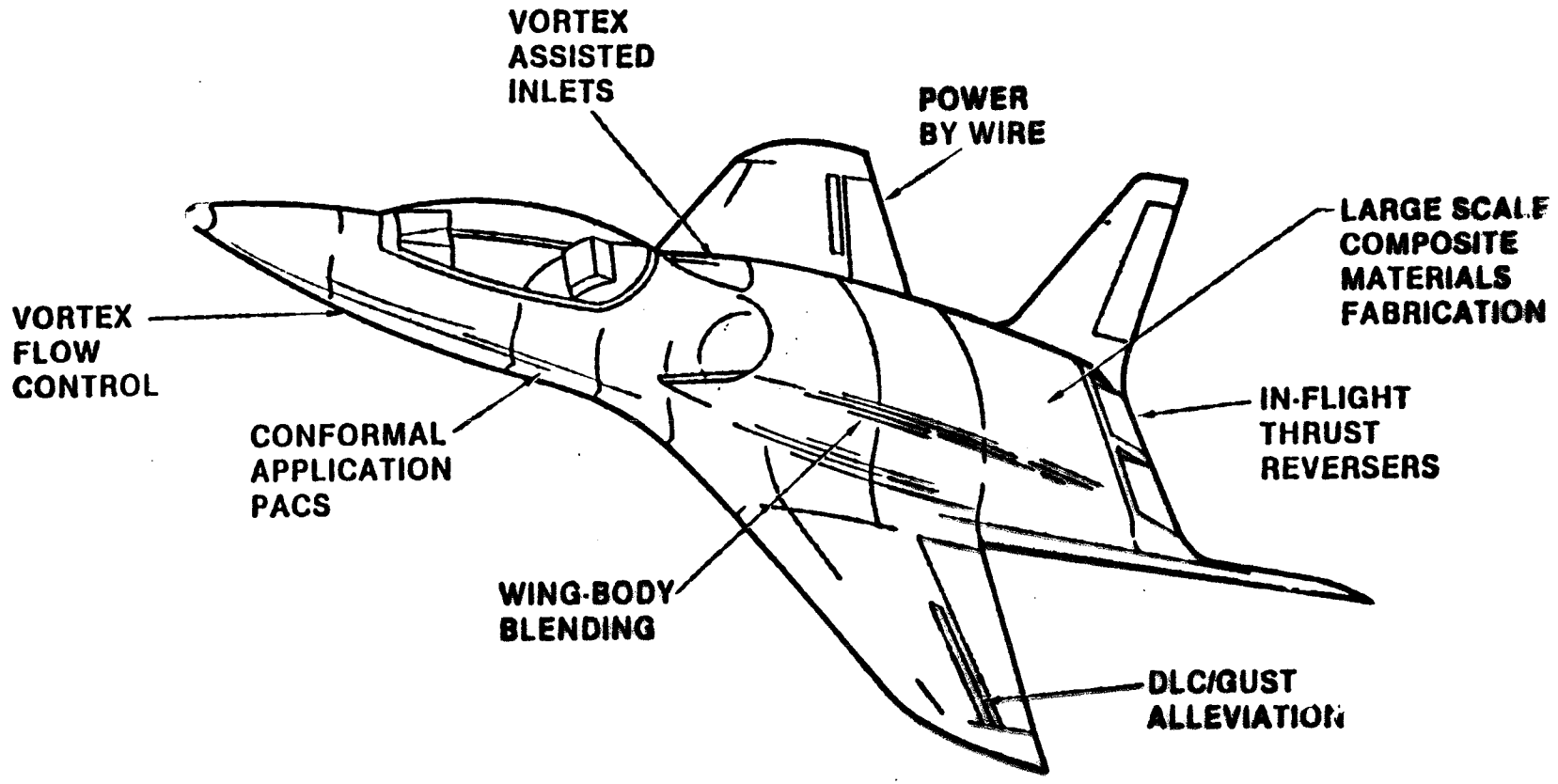
LTV Aircraft Products Group

ADVANCED CONCEPTS

ATLAS Anchors the Ultralight Category (U)

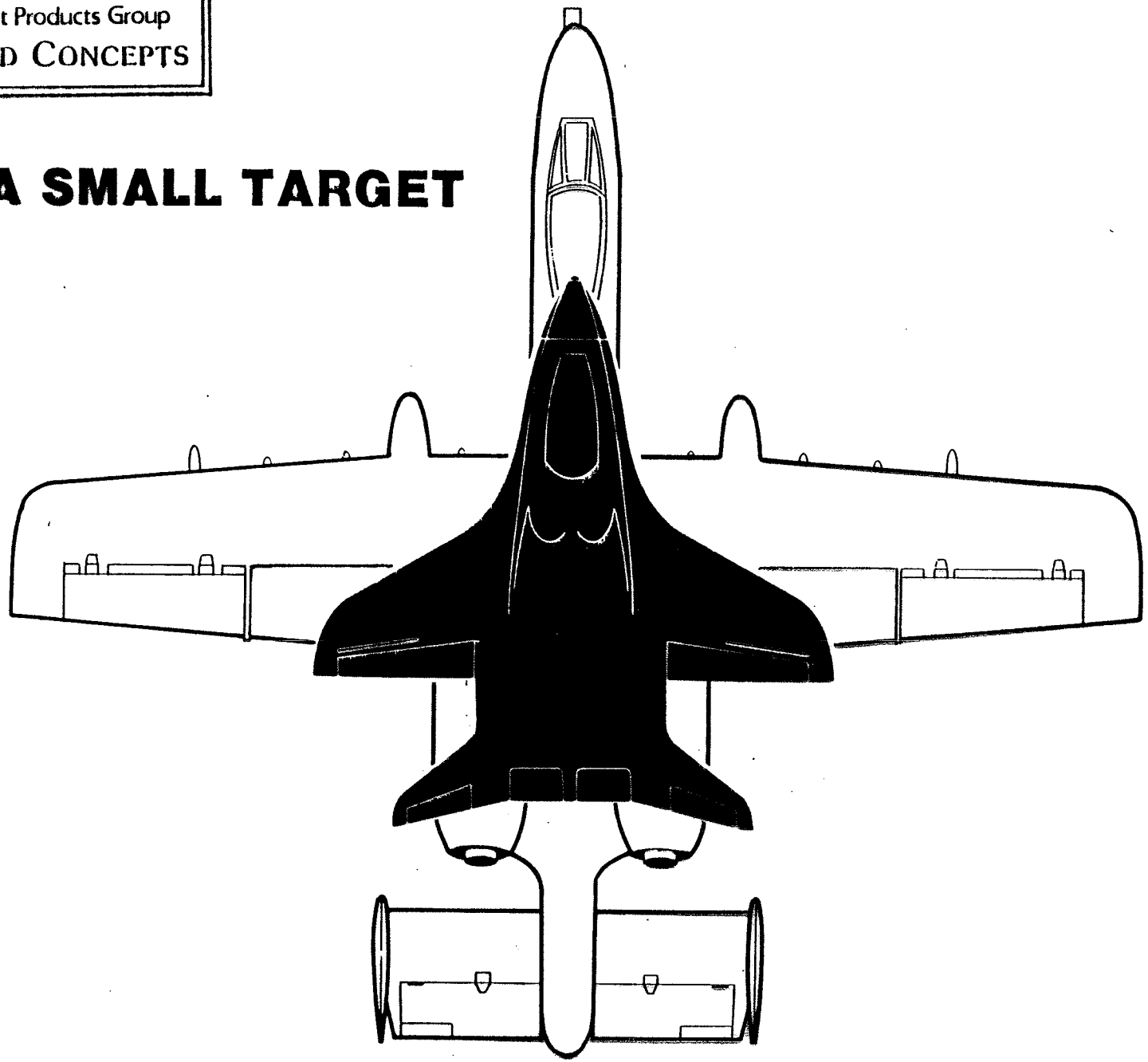
	A200	A201
DESIGN MISSION	ANTIARMOR	ANTIAIR
DESIGN MISSION RADIUS — NM	300	250
ARMAMENT	350 RDS 30 MM	150 RDS 25 MM 6 ASRAAM
TAKEOFF WEIGHT — LB	9,579	11,135
INTERNAL FUEL — LB	3,292	3,315
ARMAMENT WEIGHT — LB	1,600	1,515
INSTALLED AVIONICS — LB	250	460
MAX MACH, SL	0.86	0.83
COMBAT CEILING — FT		45,376
EQ NZ, 300 KT, SL	4.37	3.97
TAKEOFF GROUND ROLL — FT	1,036	1,835
LANDING GROUND ROLL — FT (T/R)	669	1,051

TECHNOLOGY INTEGRATION



LTV Aircraft Products Group
ADVANCED CONCEPTS

A SMALL TARGET

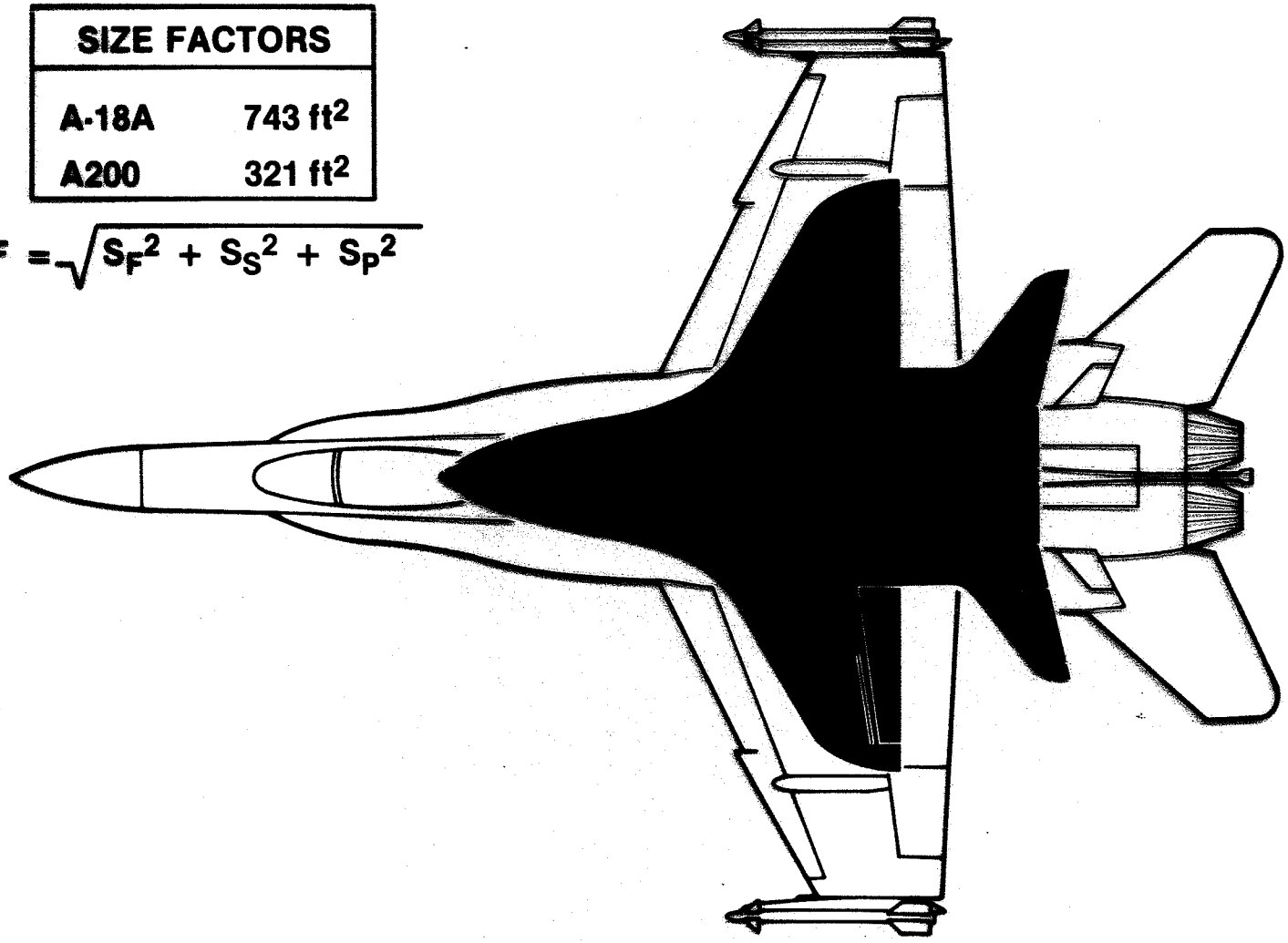


ATLAS A SMALL TARGET

0.432

SIZE FACTORS	
A-18A	743 ft^2
A200	321 ft^2

$$SF = \sqrt{S_F^2 + S_S^2 + S_P^2}$$



P1-1243-2

ATLAS

VOUGHT

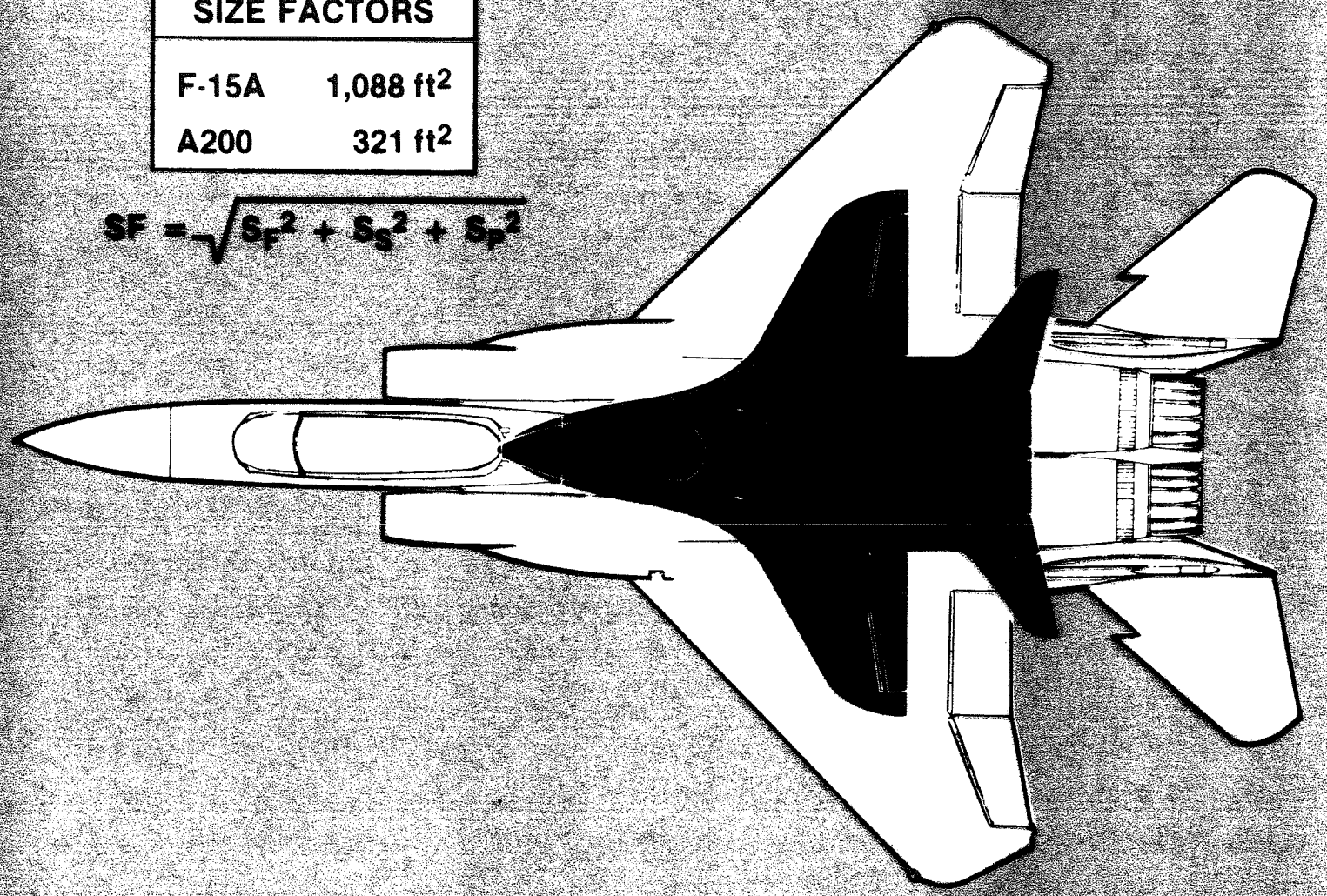
ATLAS A SMALL TARGET

SF RATIO

29.5%

SIZE FACTORS	
F-15A	1,088 ft^2
A200	321 ft^2

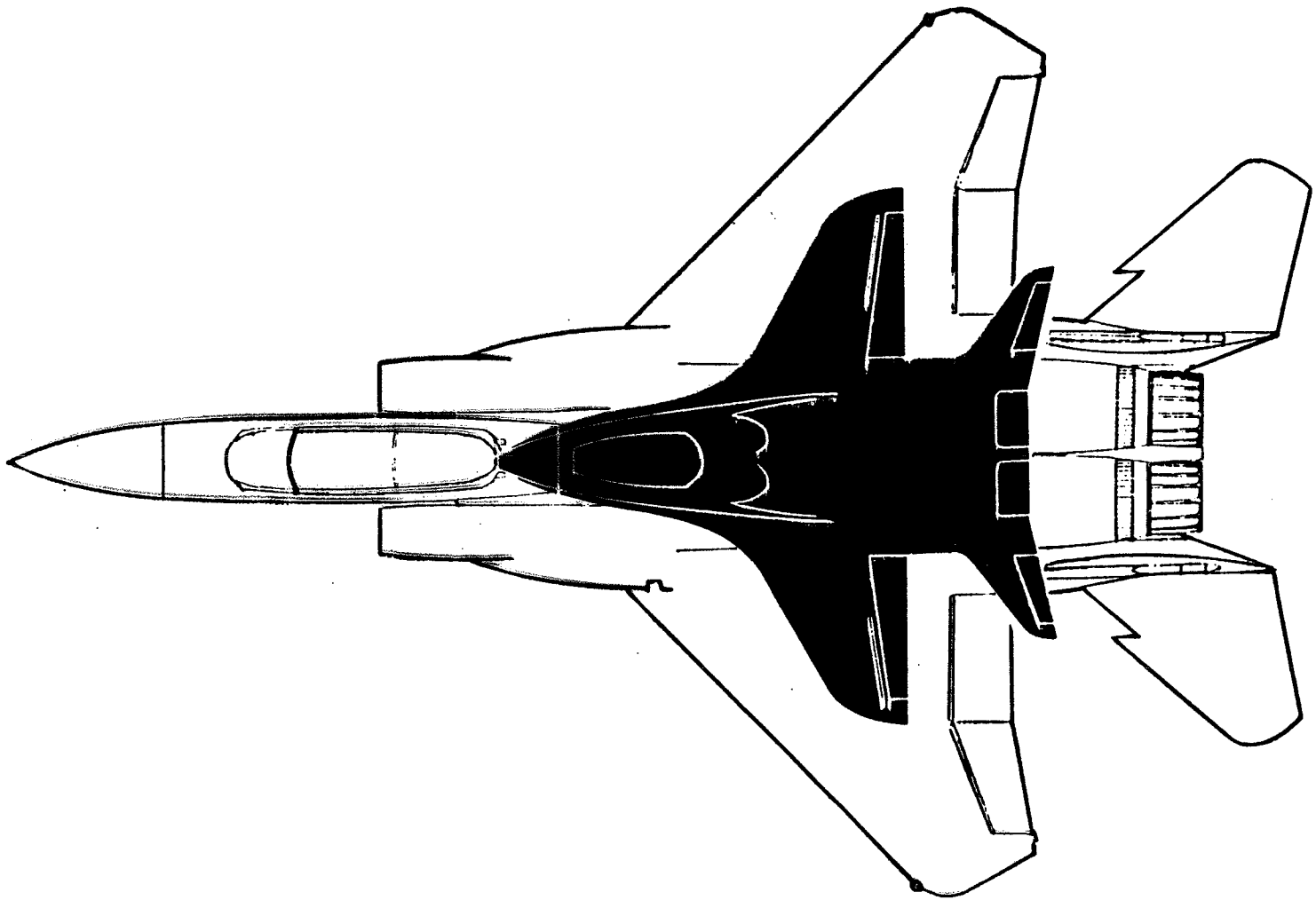
$$SF = \sqrt{S_F^2 + S_S^2 + S_P^2}$$



P1-1243-5

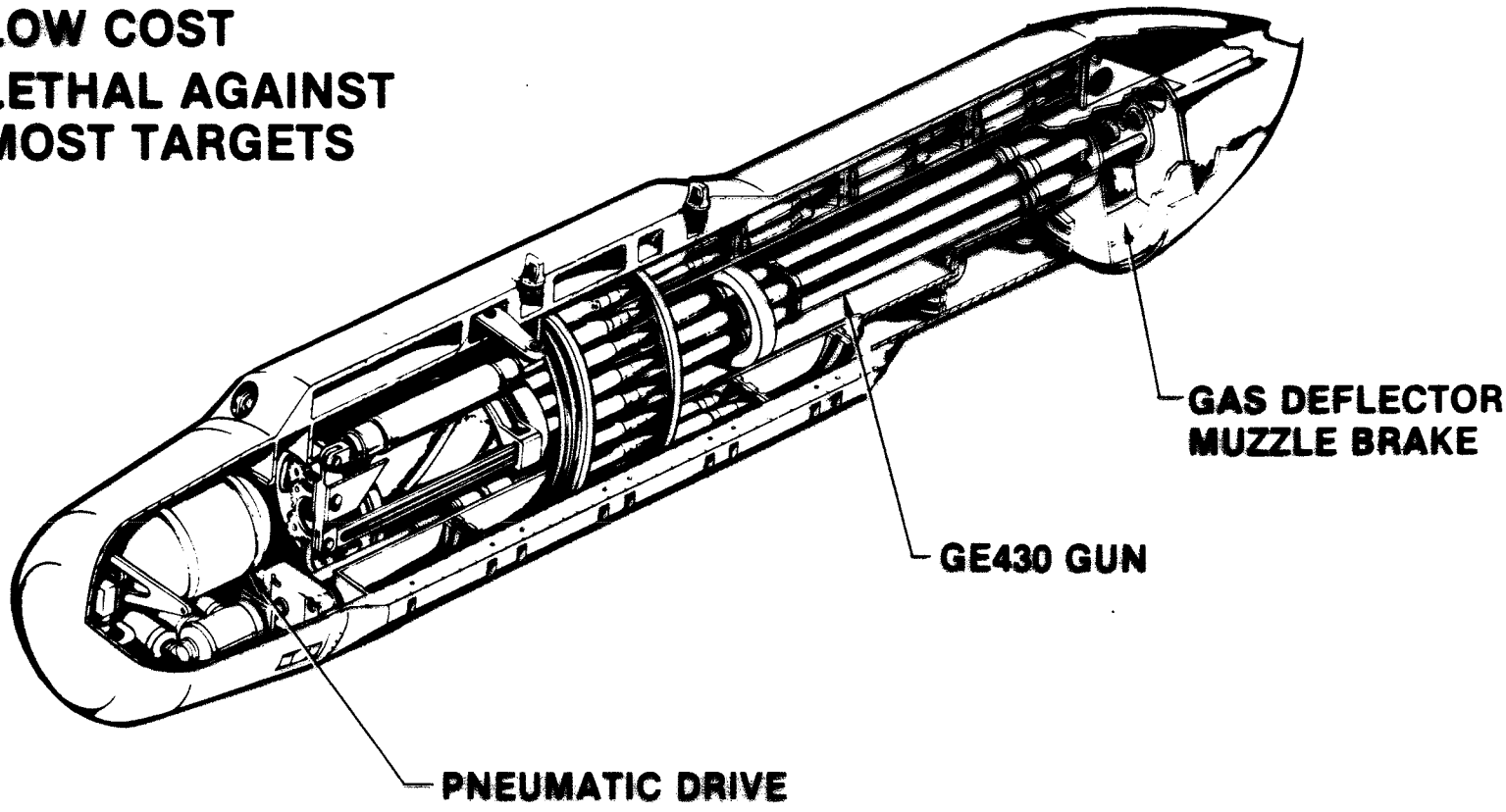
Aircraft Products Group
ADVANCED CONCEPTS

A SMALL TARGET



GE 30 mm GUN POD

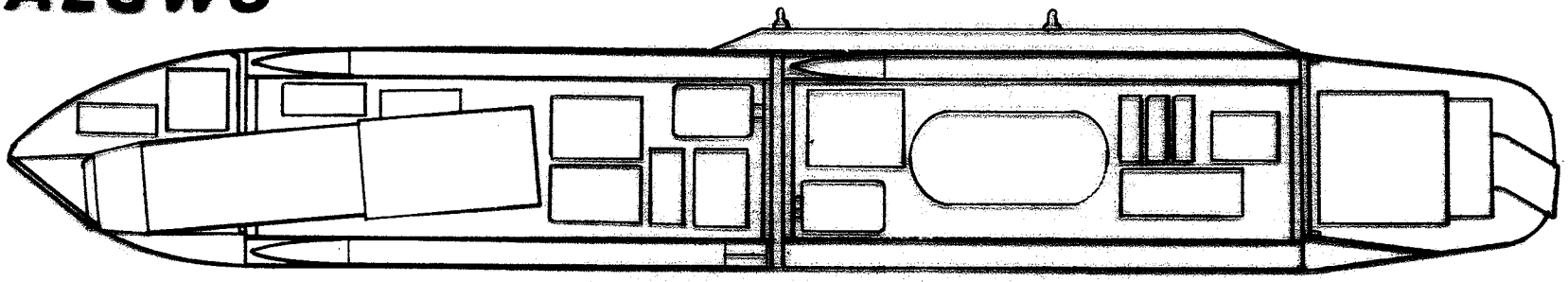
- NEAR-TERM
- LOW COST
- LETHAL AGAINST MOST TARGETS



ATLAS VOUGHT

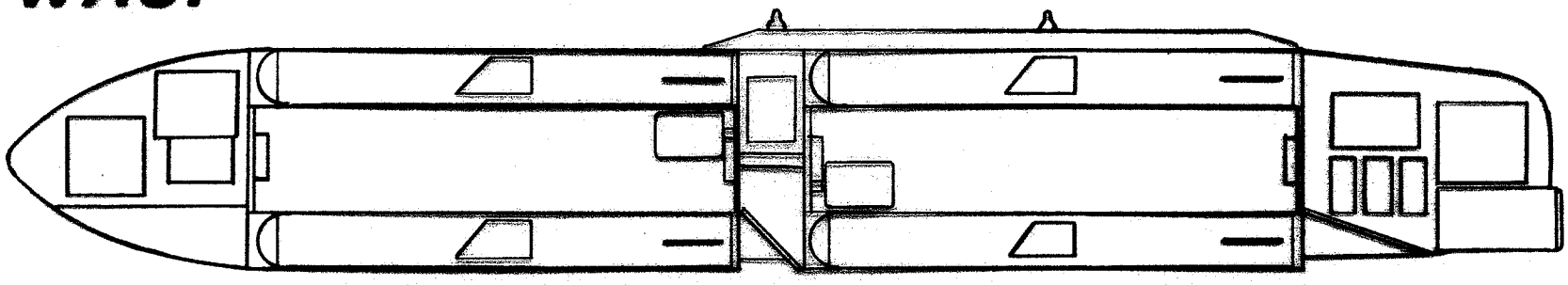
ADVANCED ANTIARMOR WEAPON PODS

ALGWS



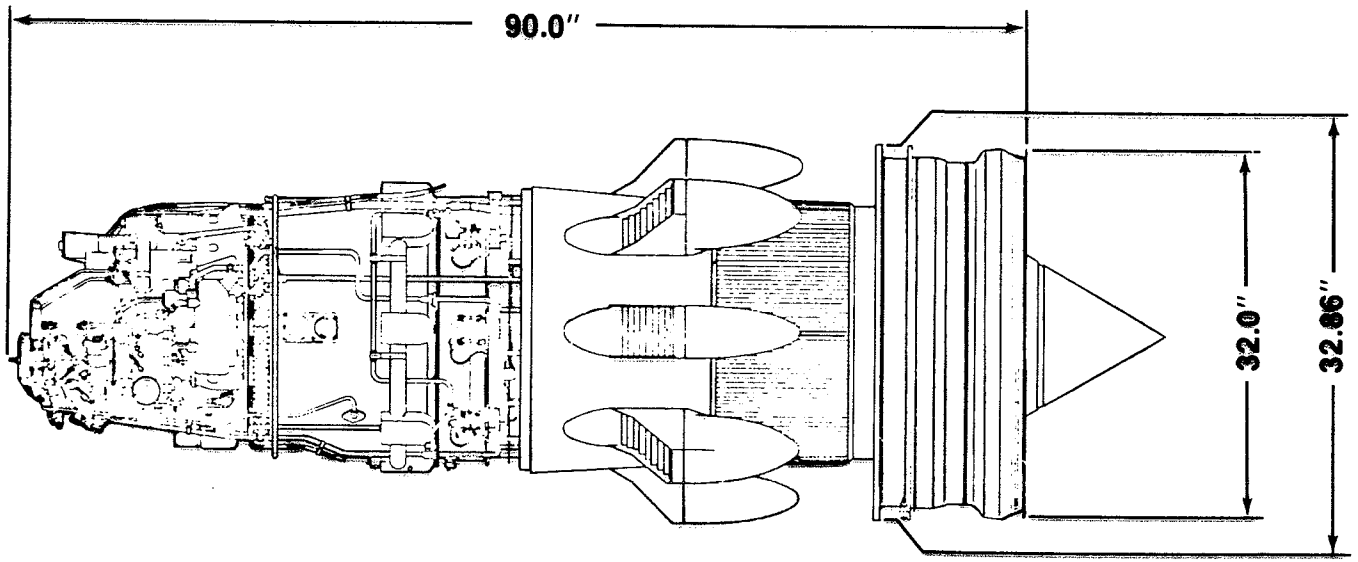
40 2.7 INCH GUIDED ROCKETS

WASP



18 6 INCH MISSILES

BASELINE ENGINE
GARRETT ATF3-6



Intermediate (30 min) performance	
Thrust lb	**5144**
SFC lb/hr/lb	**0.471**
Airflow lb/sec	**160.0**
Weight (w/o nozzle) ~ lb	**1099**

P9-172-6