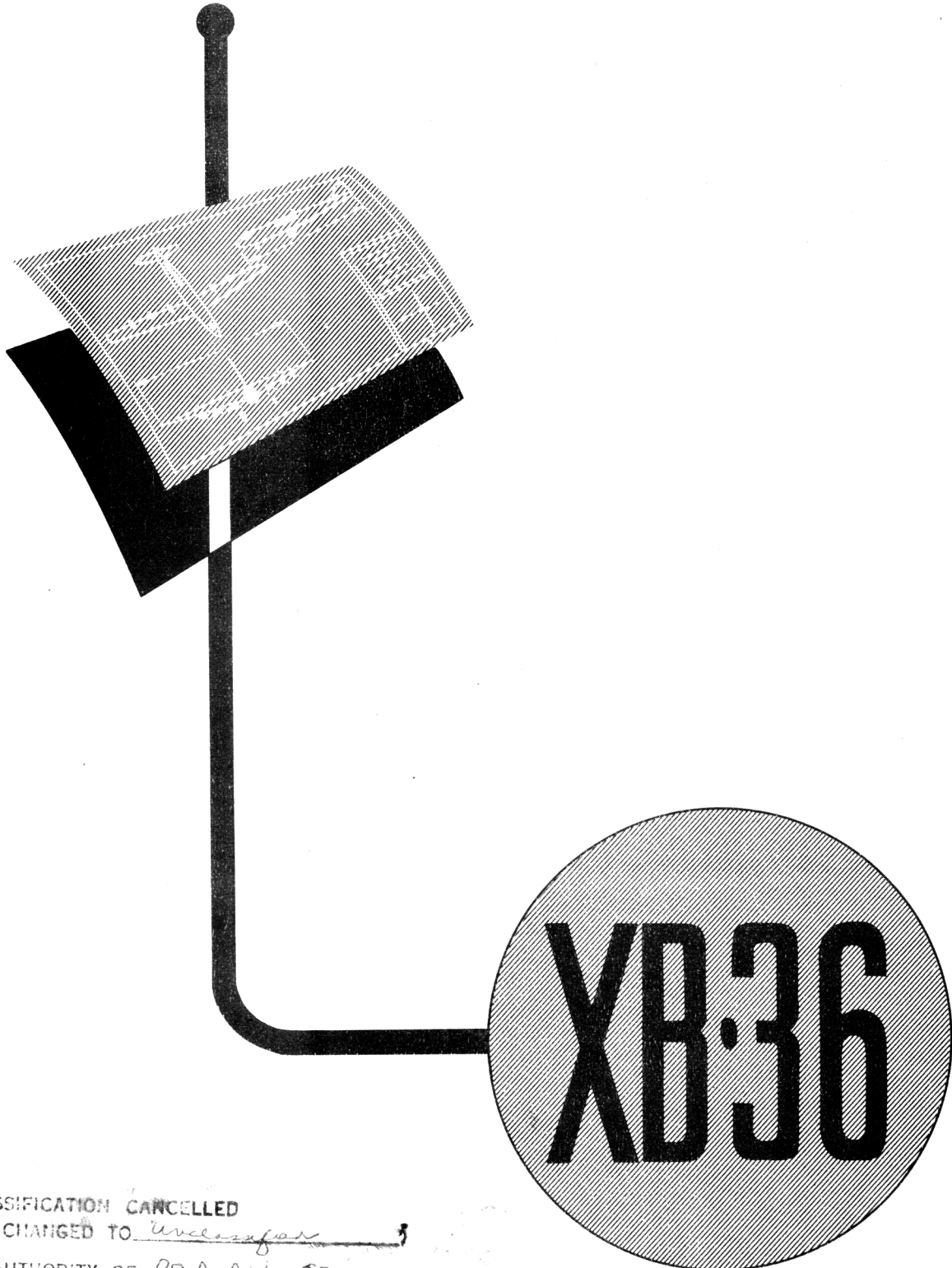
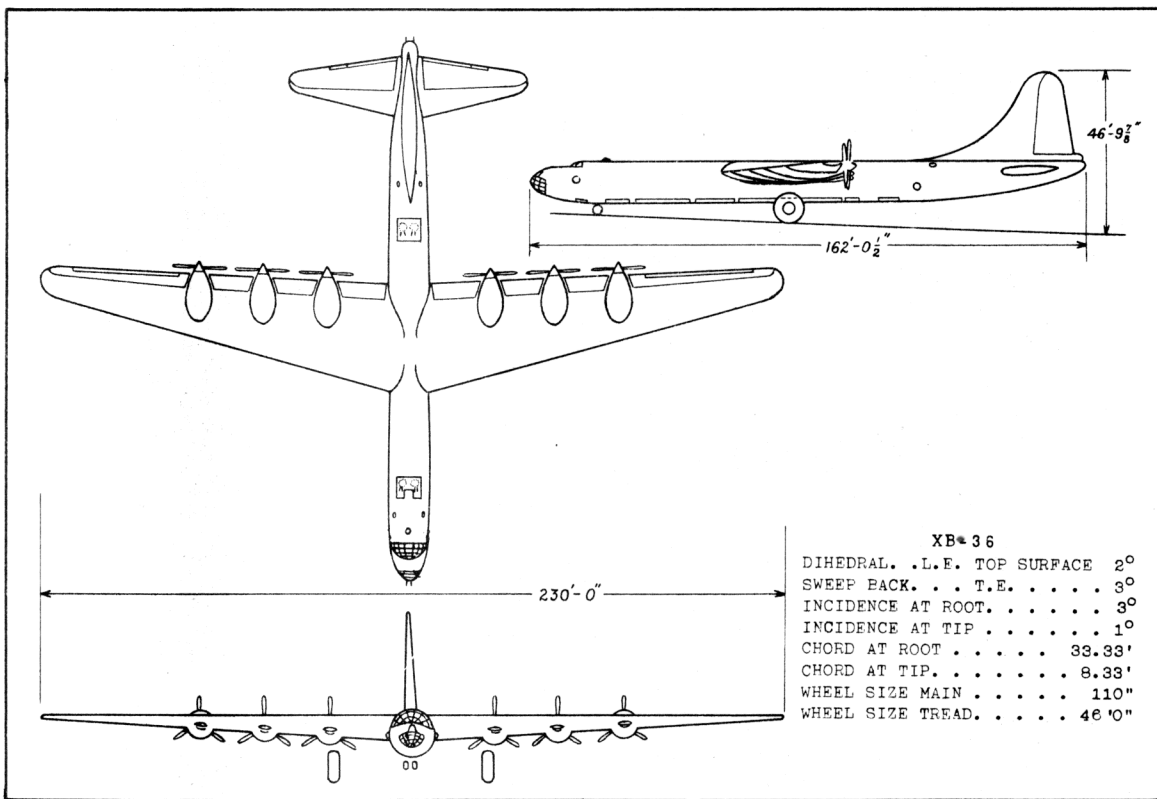
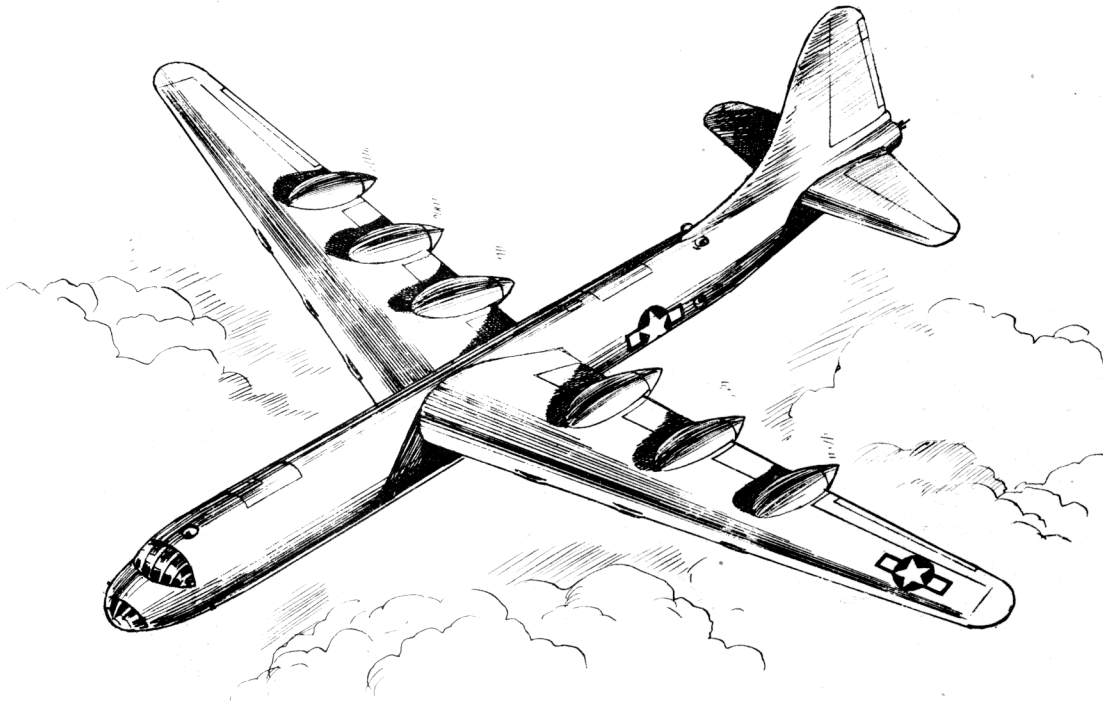


A1
(X) B-36 / char
XB-36



CLASSIFICATION CANCELLED
(OR CHANGED TO Unclassified)
BY AUTHORITY OF DDO DIA 5200 09
(INDIVIDUAL OR WRITTEN AUTHORITY)
BY G. R. Somerton 31 Jul 68
(NAME & GRADE OF INDIVIDUAL MAKING CHANGE) (DATE)

.W-40854-66



TYPE Very Heavy Bomber PROJECT No. MX-149
 Contractor Consolidated Vultee No. on Contract 1
 Contract Number W535-AC-22352 Estimated Flight Date January 1946

I. POWER PLANT

Pratt & Whitney

(1) Number of Engines 6 (Mfr. & Type Engine) R-4360-25
 (2) Supercharger Type BM - Dual Installation
 (3) Propeller Curtiss, 3 Blade, 19' 0" Diameter
 Red. Gear Ratio .381

(4) Engine Ratings:	THRUST	B. H. P.	R. P. M. (Eng.)	FT. ALT.
a. Take Off		3000	2700	S.L.
b. Military		3000	2700	S.L., -35,000'
c. Normal		2500	2550	S.L., -40,000'
d. War Emergency				

II. PERFORMANCE

(1) Speed in Level Flight		M. P. H.	ALT. FEET	THRUST OR B. H. P.
a. High Speed - critical alt		* 347	35,000	3000/Eng.
b. High Speed - sea level		282	S.L.	3000/Eng.
(2) Rate of Climb		FT/MIN	ALT. FEET	WEIGHT
a. War Emergency Power				
b. Military Power Normal Rated		1020	S.L.	274,929#
(3) Time to Climb		MIN.	ALT. FEET	WEIGHT
a. War Emergency Power Normal Rated		39	25,000'	274,929#
b. Military Power				
(4) Range	MILES	M. P. H.	FUEL GALS.	CARGO OR BOMBS LBS.
a. Design Gr. Wt.	*9430		19,804	10,000#
b. Design Gr. Wt.				
c. Alt. Gr. Wt.				
d. Alt. Gr. Wt.	4040		8,365	70,400#
(5) Service Ceiling		FT. ALT.	B. H. P.	WEIGHT
a. With all Engines		*36,080	NRP	274,929#
b. With 1/2 Engines		18,700	NRP	204,250#
(6) Take-Off & Land Over 50' Obs.		TAKE-OFF	LANDING	WEIGHT
a. Design Gross Wt.		6100'	3600'	264,929#
b. Alt. Gross Wt.		5500'		

MODEL DESIGNATION XB-36 TYPE Very Heavy Bomber

III. CHARACTERISTICS

(1) Weight Empty	131,240 lbs.	(4) Length	163'0"
(2) Design Gr. Wt.	274,929 lbs.	(5) Span	230'0"
(3) Alt. Gross Wt.	265,000 lbs.	(6) Wing Area	4772 Sq. Ft.
(7) Wing Loading (#/Sq. Ft.)		Design Gr. Wt.	57.5
(8) Power Loading (#/BHP) at Mil. Power		Alt. Gr. Wt.	52.5
			15.3
			14.7

IV. ARMAMENT

(1) Guns and Cannons:	No.	Cal.	Type or Position	Rds per Gun
a. Normal	2	37 MM	Forward Upper	100
	2	37 MM	Forward Lower	100
	4	.50	Rear Upper	1000
	4	.50	Rear Lower	1000
	2	.50	Tail	1000
	1	37 MM	Tail	300
b. Alternate				

(2) Bombs, Rockets:	No.	Size
	132	500#
	72	1000#
	44	1600#
	28	2000#
	12	4000#

V. CREW Normal 11 Alternate 15

VI. SPECIAL FEATURES: Fuel cells are integral part of wing and are protected with a sealant attached to all exterior sides of the tank with the exception of the upper surface. The two inboard tanks will be unprotected.

Crew compartments are pressurized.

VII. NOTES * Due to inability of P & W to develop a two speed reduction gear (.29 & .50) the following loss in performance has resulted for the D.G.W. condition; Hi-speed-21 mph; service ceiling-600 feet; range-300 miles. In addition 270 miles in range are lost due to higher specific fuel consumption (original s.f.c. valves were assumed that manual leaning and spark adjustment would be available).