

Boeing

D. TAKEOFF AND LANDING PERFORMANCE DATA

NOTE:

FIELD LENGTHS SHOWN INCLUDE THE EFFECT OF FAILURE OF ONE ENGINE AND A SUBSEQUENT CLIMB OVER A 50 FT OBSTACLE OR DECELERATION TO A STOP.

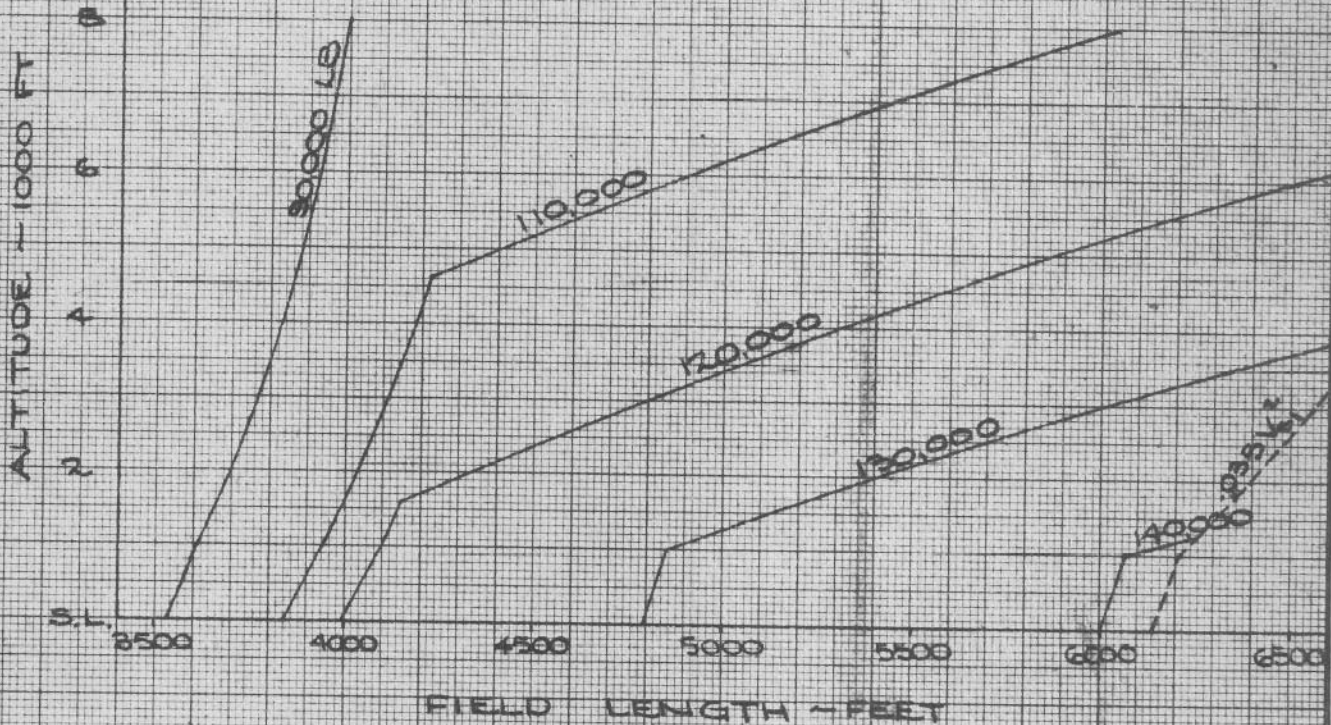
RETRACTION TIME FOR LANDING GEAR EQUALS 10 SECONDS

$V_{MC}$  @ S.L. = 115 WITH RUDDER BOOST

R-4360 SPEC. 7057

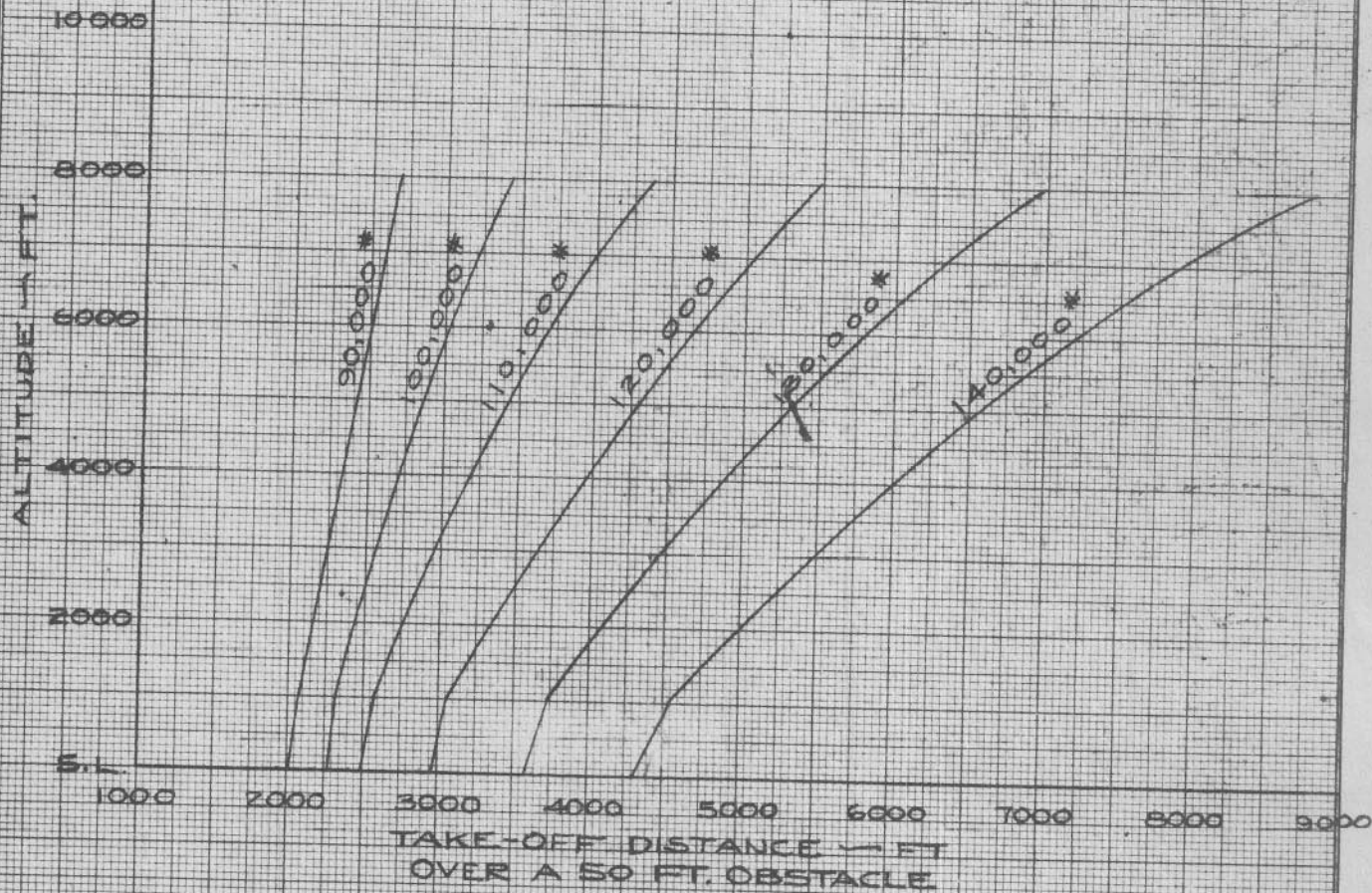
--- COMPLIANCE LIMIT ~ CAR 04.1231 (a)

CAR 04.122



CALC	MS. & R.O.	REVISED	DATE	TAKEOFF FIELD LENGTH VS ALTITUDE WITH RUDDER BOOST BOEING AIRCRAFT COMPANY SEATTLE WASHINGTON	377 -10-33 D-1582 PAGE 19 OF	
CHECK	J.R.S.	11-2-45	M.S.			11-16-45
APR			Thurston			1-8-46
APR						

CONTRACT NO.



CALC	JOHNSON	4-22-46	REVISED	DATE
CHECK			Holbrook	7-15-46
APR	<i>M. J. ...</i>	4-23		
APR	<i>Stines</i>	4-29		

T.O. DISTANCE vs ALTITUDE  
4 ENGINES NO WIND

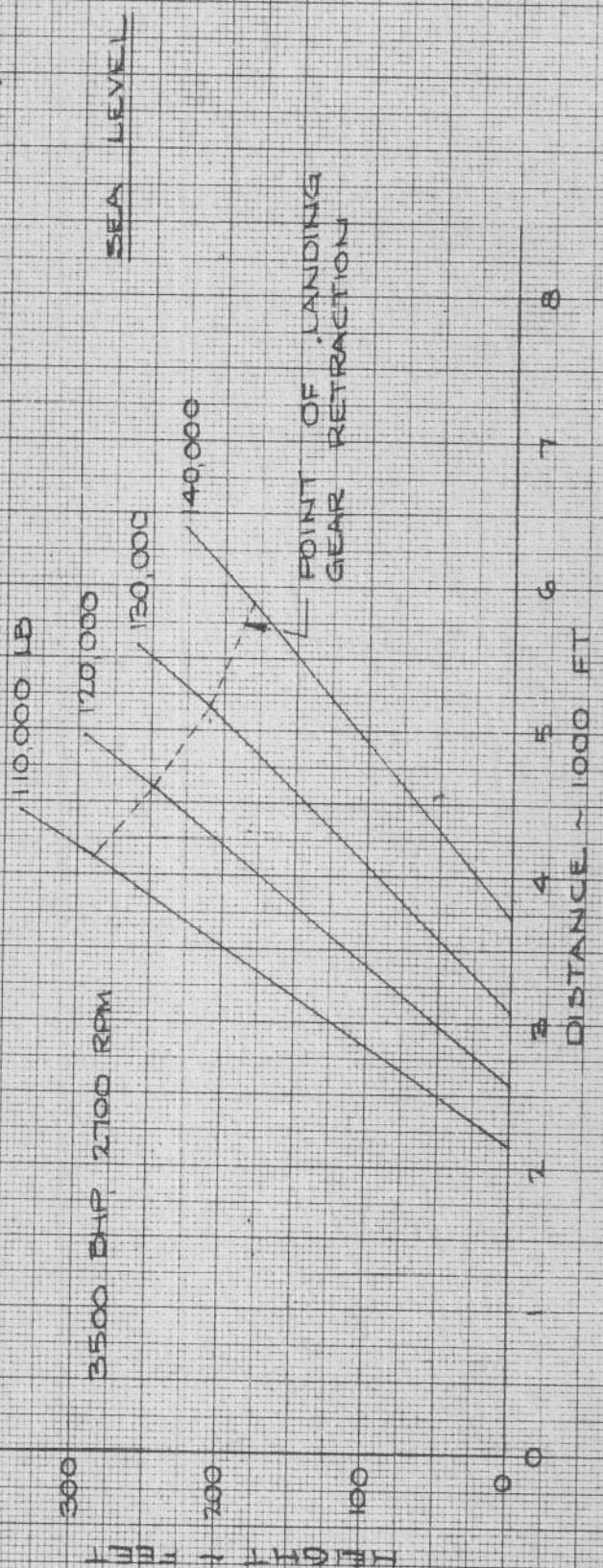
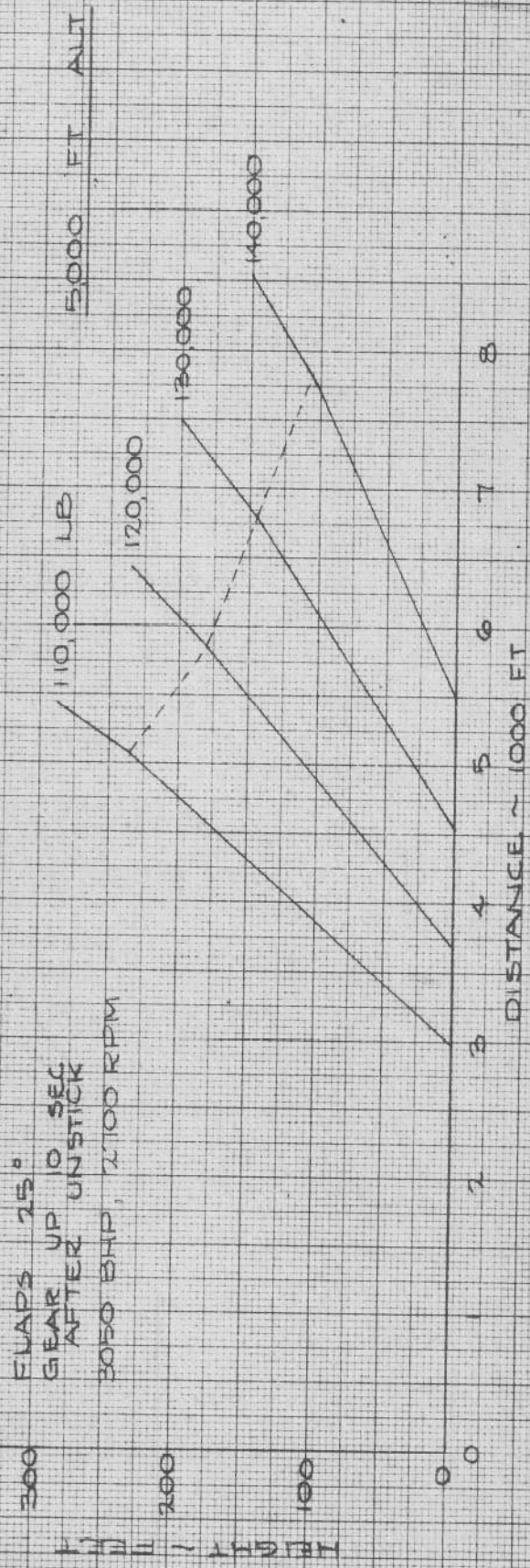
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SEATTLE WASHINGTON

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CALC	Howbrook	11/19/45	REVISED	DATE
CHECK			Prunk	1/3/46
APR				
APR				

TAKEOFF PATH  
4 ENGINES

BOEING AIRCRAFT COMPANY  
SEATTLE WASHINGTON

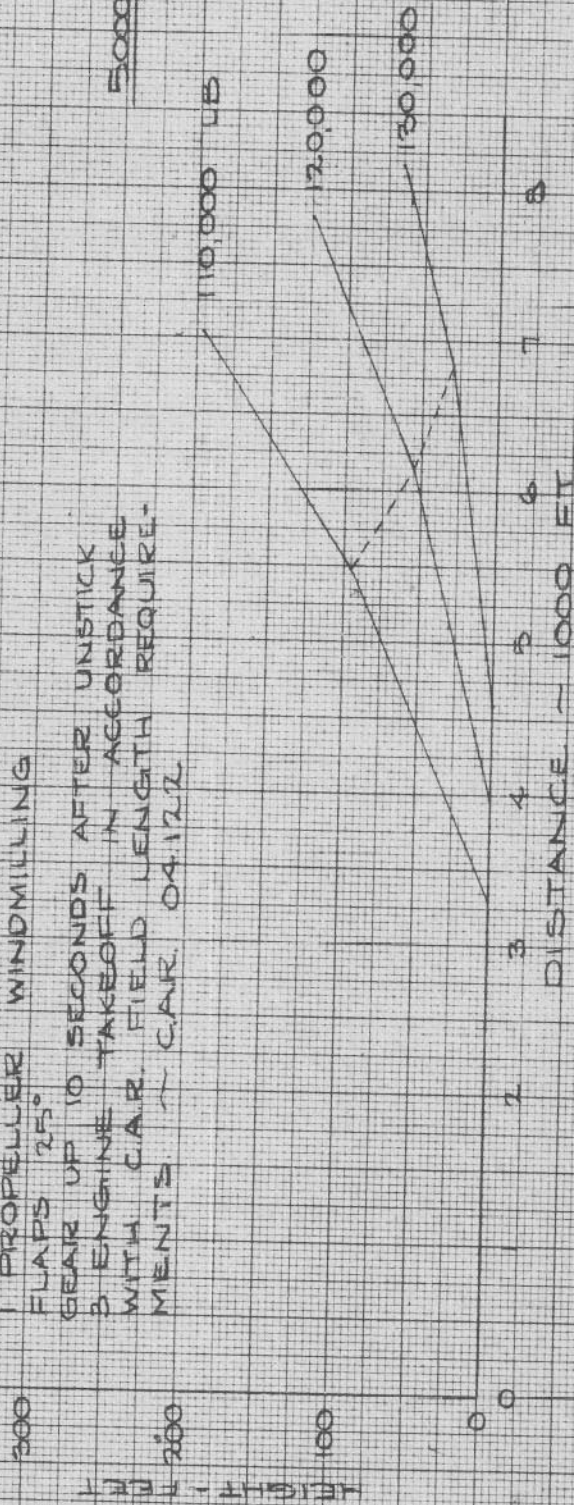
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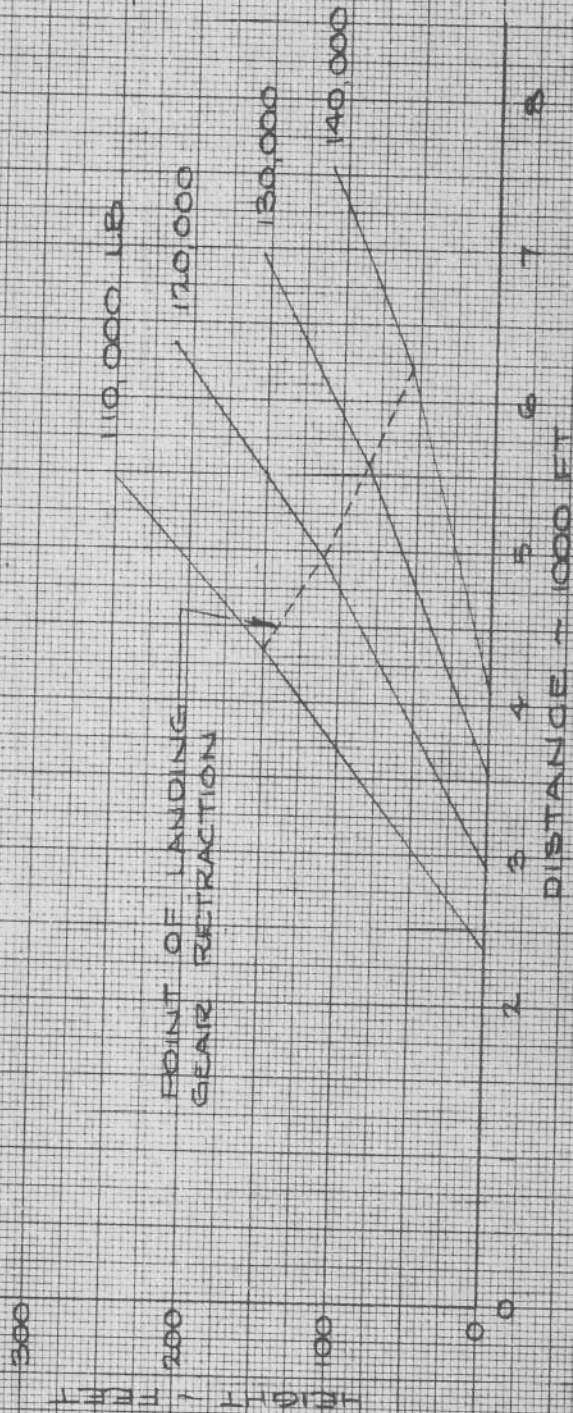
3050 BHP, 2700 RPM  
 1 PROPELLER WINDMILLING  
 FLAPS 25°

GEAR UP 10 SECONDS AFTER UNSTICK  
 3 ENGINE TAKEOFF IN ACCORDANCE  
 WITH C.A.R. FIELD LENGTH REQUIRE-  
 MENTS ~ CAR 04.17.2

5000 FT ALT



SEA LEVEL



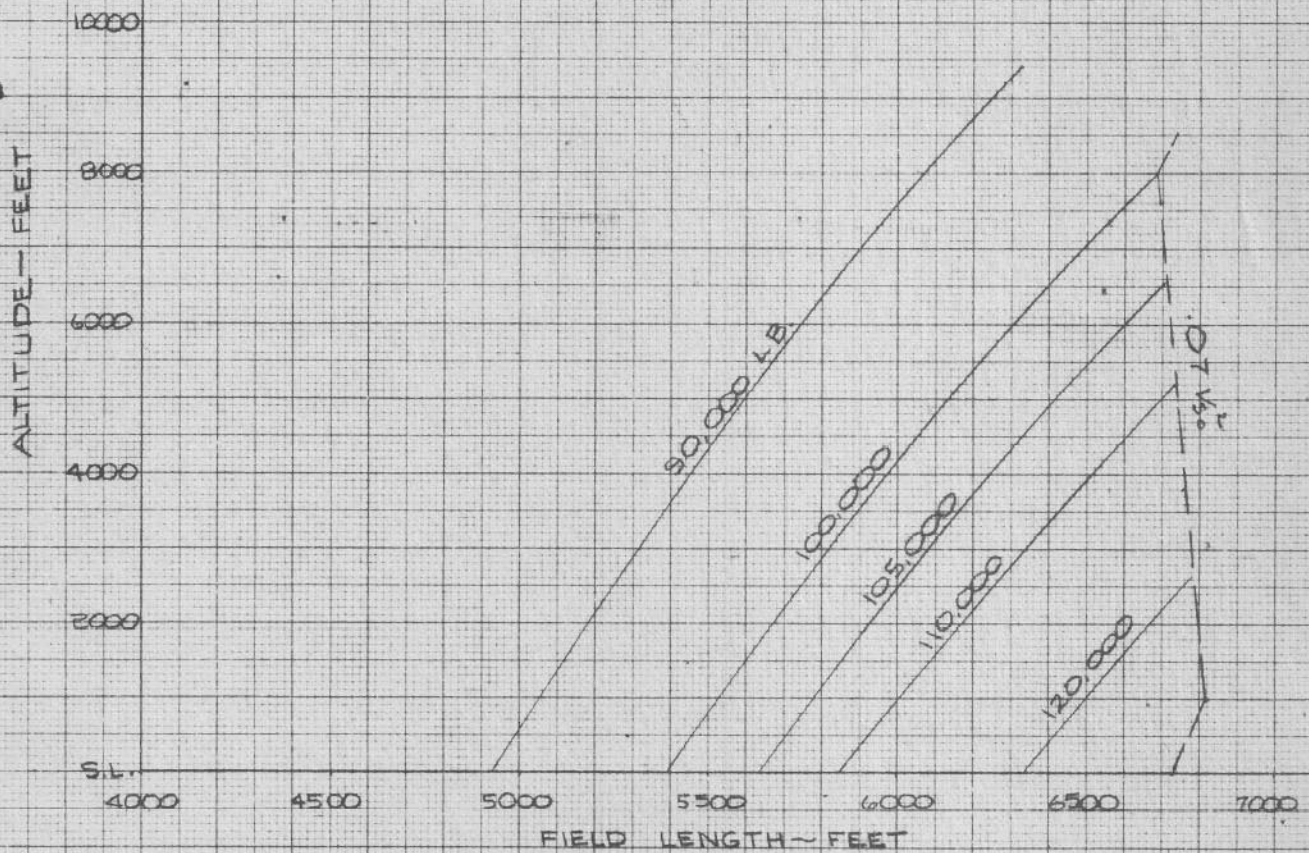
CALC	HOLBROOK	11-19-43	REVISED	DATE
CHECK			HOLBROOK	12-17-45
APR			THURLOW	1-8-46
APR				

TAKEOFF PATHS  
 FAILURE OF ONE ENGINE

BOEING AIRCRAFT COMPANY  
 SEATTLE WASHINGTON

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NOTE:  
 DISTANCE TO LAND OVER  
 50 FT. OBSTACLE = 60% OF  
 FIELD LENGTH SHOWN  
 CAR 04.124  
 COMPLIANCE LIMIT  
 CAR 04.1230(b)  
 BRAKES ONLY



CALC	THURLOW	10/24/45	REVISED	DATE
CHECK	OLASON	10/26	YLB	10/26/45
APR	SMABY	10/29/45	Hedbrook	7/15/46
APR	Steiner	7/17/46		

FIELD LENGTH LANDING  
 BRAKES ONLY

BOEING AIRCRAFT COMPANY  
 SEATTLE WASHINGTON

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NOTE:

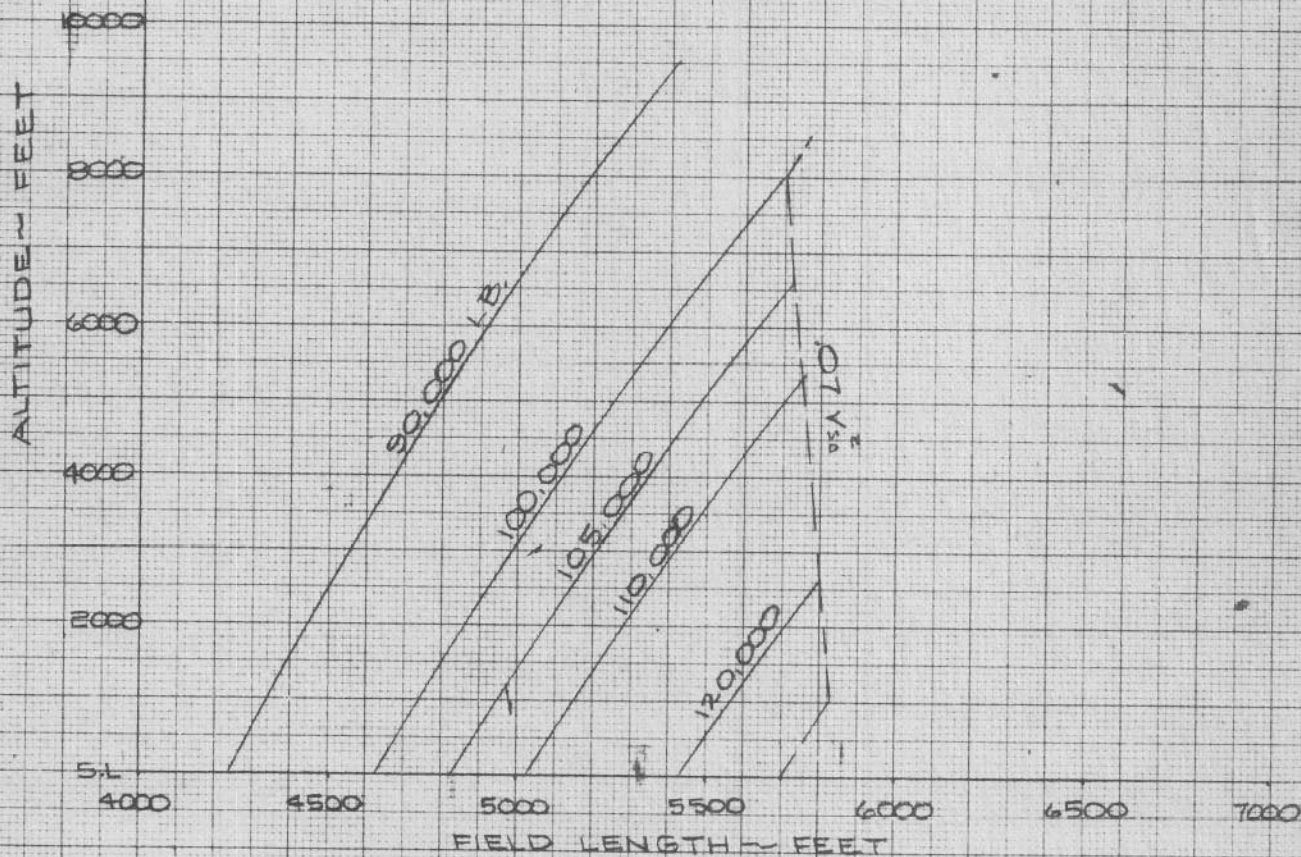
DISTANCE TO LAND OVER  
50 FT. OBSTACLE = 60% OF  
FIELD LENGTH SHOWN

CAR 04.124

COMPLIANCE LIMIT

CAR 04.1230(b)

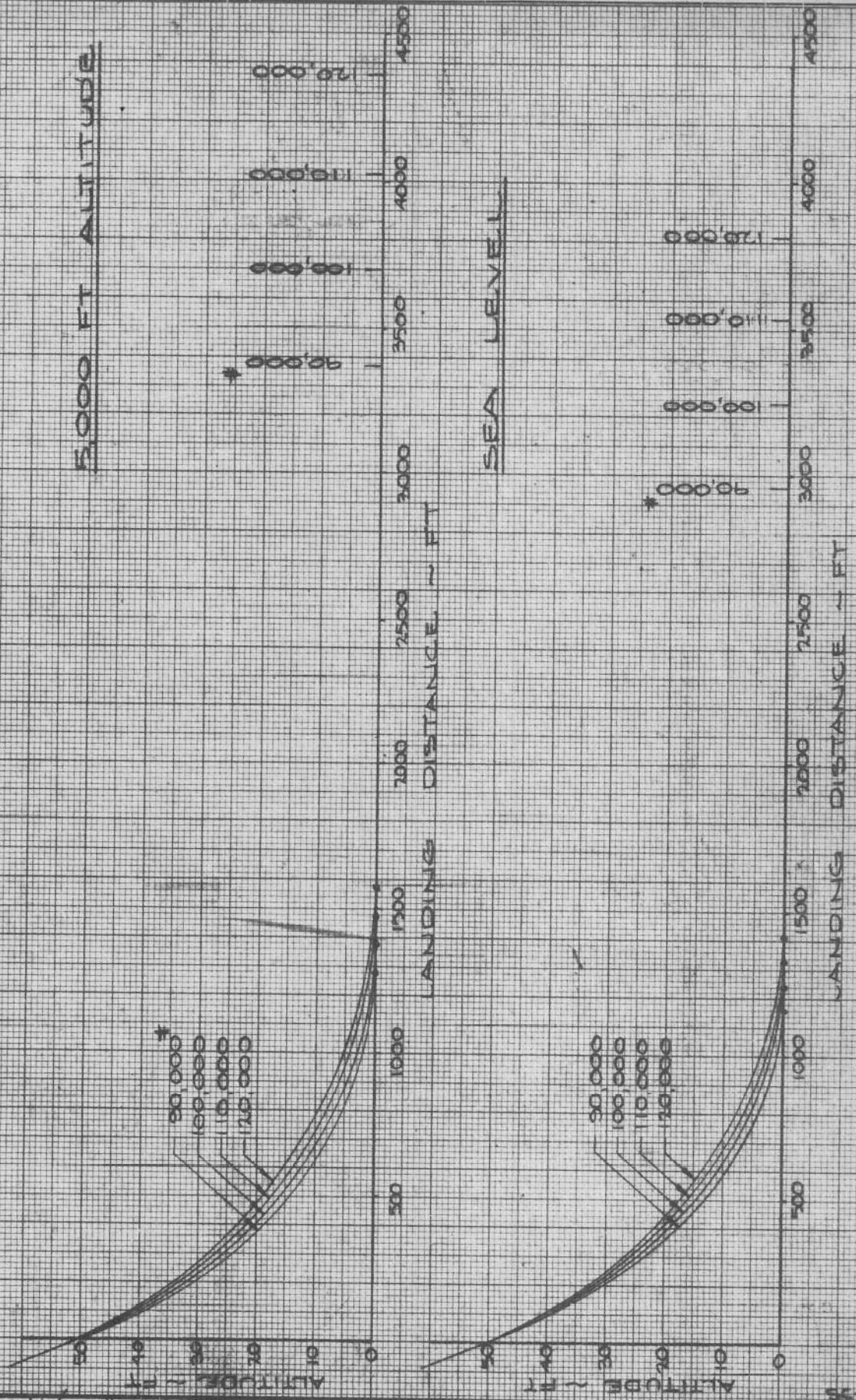
REVERSE THRUST ~ 2 ENGINES



CALC THURLOW 10/16/45 CHECK OLASON 10/26 APR BLUMENTHAL 10/29/46 APR Steiner 7/17/46	REVISED DATE Holbrook 7/5/46	FIELD LENGTH LANDING REVERSE THRUST 2 ENG.	377 -10-33
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NOTE:

THESE LANDING DISTANCES ARE 60% OF FIELD LENGTH REQUIRED.  
BRAKES ONLY.



CALC	<i>Thurston</i>	11-14	REVISED	DATE
CHECK	<i>Wagon</i>	11-14-45		
APR	<i>M. S.</i>	11-13		
APR				

LANDING PATHS  
BRAKES ONLY,  
BOEING AIRCRAFT COMPANY  
SEATTLE WASHINGTON

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