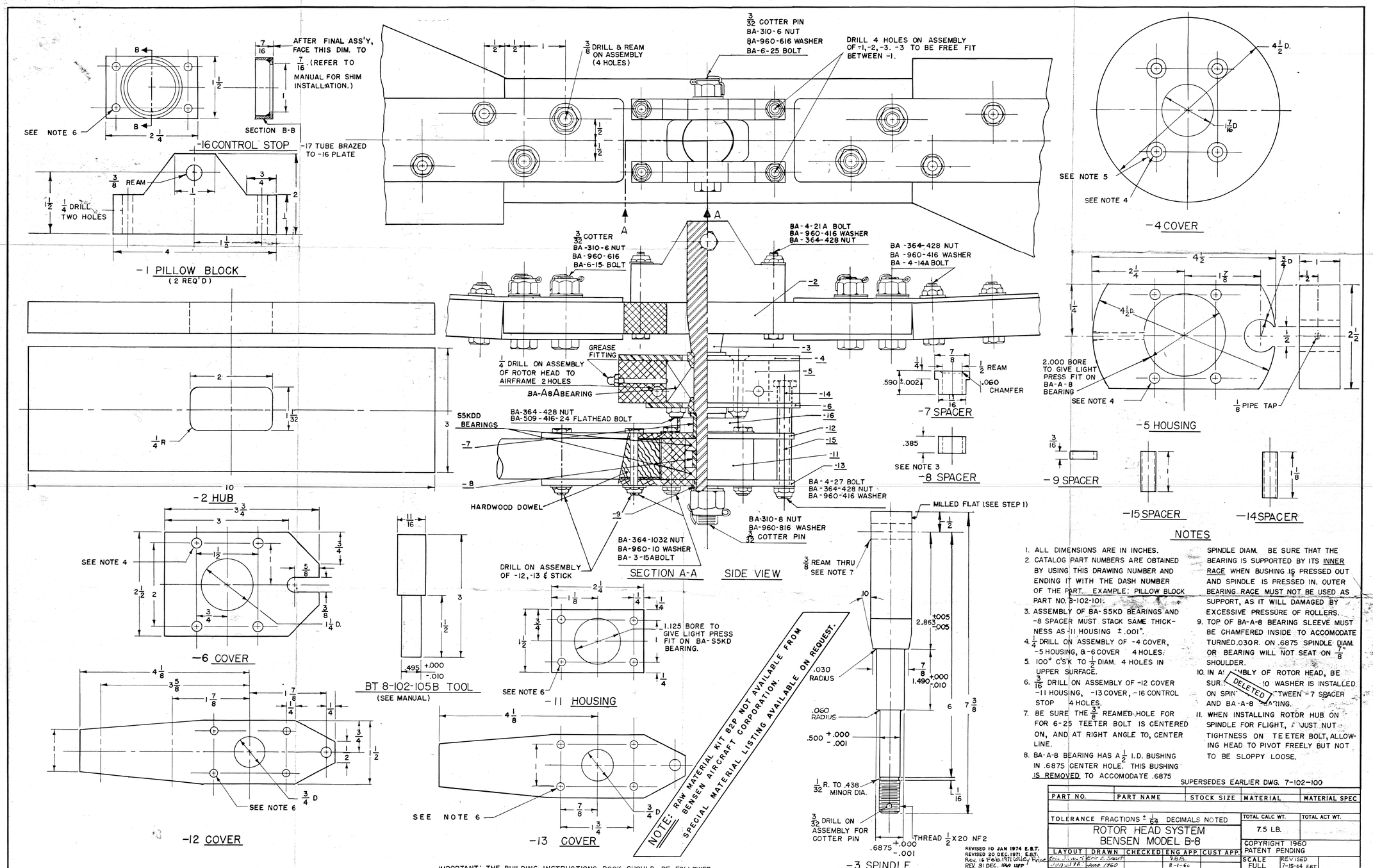

NOTES

1. ALL DIMENSIONS ARE IN INCHES.
2. CATALOG PART NUMBERS ARE OBTAINED BY USING THIS DRAWING NUMBER AND ENDING IT WITH THE DASH NUMBER OF THE PART. EXAMPLE: PILLOW BLOCK PART NO. 8-102-101.
3. ASSEMBLY OF BA-S5KD BEARINGS AND -8 SPACER MUST STACK SAME THICKNESS AS -11 HOUSING ±.001".
4. 1/4 DRILL ON ASSEMBLY OF -4 COVER, -5 HOUSING, & -6 COVER 4 HOLES.
5. 100° C'S'K TO 1/2 DIAM. 4 HOLES IN UPPER SURFACE.
6. 3/16 DRILL ON ASSEMBLY OF -12 COVER -11 HOUSING, -13 COVER, -16 CONTROL STOP 4 HOLES.
7. BE SURE THE 3/8" REAMED HOLE FOR FOR 6-25 TEETER BOLT IS CENTERED ON, AND AT RIGHT ANGLE TO, CENTER LINE.
8. BA-A-8 BEARING HAS A 1/2 I.D. BUSHING IN .6875 CENTER HOLE. THIS BUSHING IS REMOVED TO ACCOMODATE .6875 SPINDLE DIAM. BE SURE THAT THE BEARING IS SUPPORTED BY ITS INNER RACE WHEN BUSHING IS PRESSED OUT AND SPINDLE IS PRESSED IN. OUTER BEARING RACE MUST NOT BE USED AS SUPPORT, AS IT WILL DAMAGED BY EXCESSIVE PRESSURE OF ROLLERS.
9. TOP OF BA-A-8 BEARING SLEEVE MUST BE CHAMFERED INSIDE TO ACCOMODATE TURNED .030 R. ON .6875 SPINDLE DIAM. OR BEARING WILL NOT SEAT ON 7/8" SHOULDER.
10. IN A[illegible]MBLY OF ROTOR HEAD, BE SUR[illegible] [illegible]O WASHER IS INSTALLED ON SPIN[illegible] [illegible]TWEEN -7 SPACER AND BA-A-8 [illegible]ARING.
11. WHEN INSTALLING ROTOR HUB ON SPINDLE FOR FLIGHT, A[illegible]JUST NUT TIGHTNESS ON TE[illegible]ETER BOLT, ALLOWING HEAD TO PIVOT FREELY BUT NOT TO BE SLOPPY LOOSE.

DELETED

SUPERSEDES EARLIER DWG. 7-102-100

PART NO.	PART NAME	STOCK SIZE	MATERIAL	MATERIAL SPEC

TOLERANCE FRACTIONS ± 1/64 DECIMALS NOTED

ROTOR HEAD SYSTEM
BENSEN MODEL B-8

TOTAL CALC WT. 7.5 LB.
TOTAL ACT WT.

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PATENT PENDING

LAYOUT	DRAWN	CHECKED	ENG APP.	CUST APP.
Eric E. Swift	Eric E. Swift		J.B.B.	
11/13/176	June 1960		8-1-60	

SCALE FULL — REVISED 7-15-64 E.B.T.

BENSEN AIRCRAFT CORP.

8-102-100

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REV. 31 DEC. 1969 WFP
REVISED 1 OCT. 1968 - HMC
REV. 11 OCT. 1967 GWK
REV. 17 JULY 1967 GWK

IMPORTANT: THE BUILDING INSTRUCTIONS BOOK SHOULD BE FOLLOWED CLOSELY IN CONJUNCTION WITH THIS DRAWING.

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