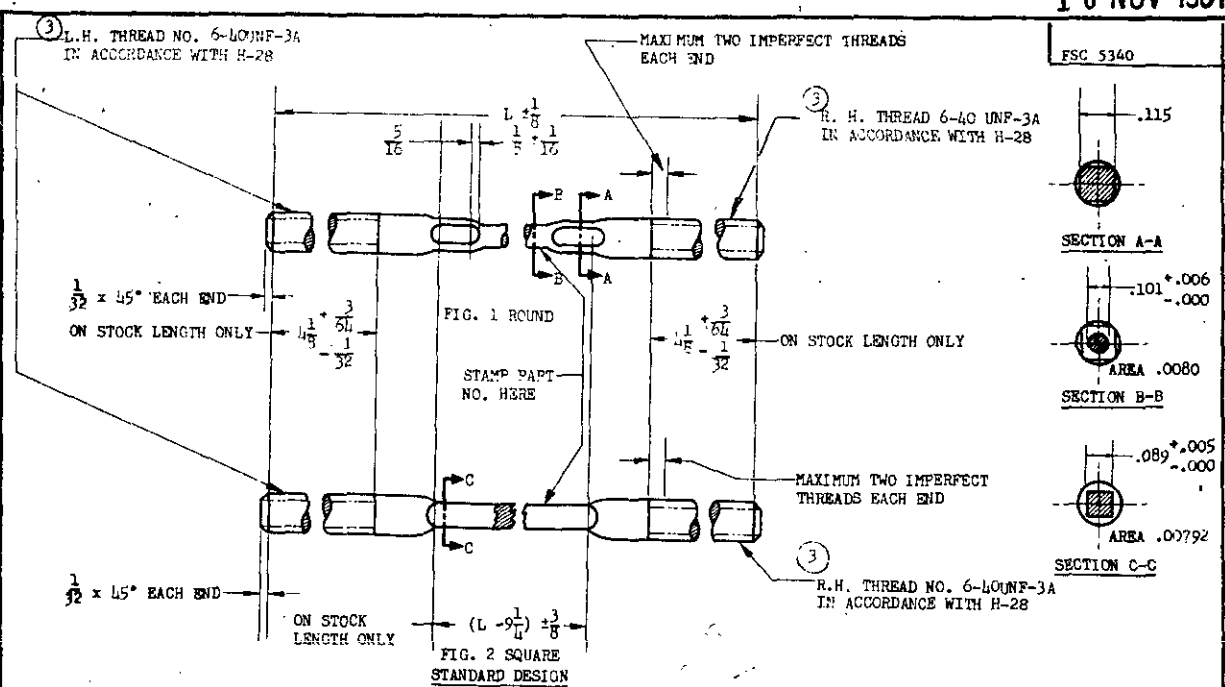


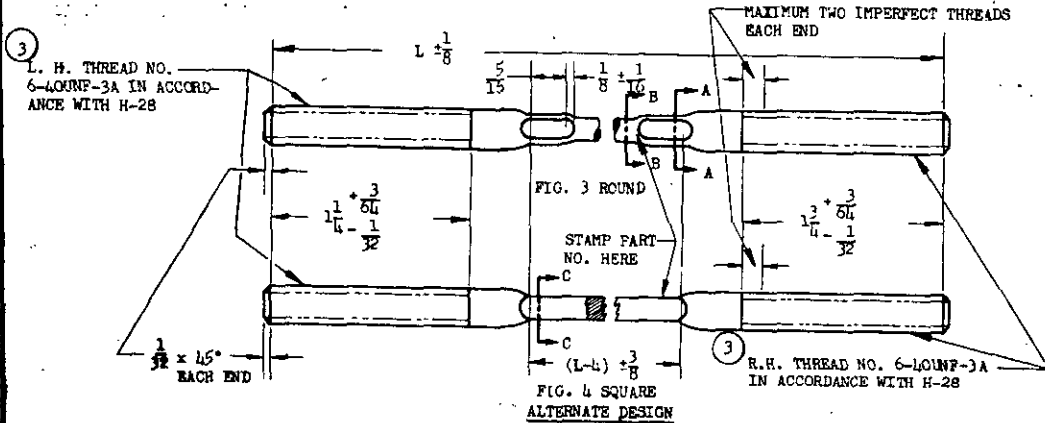
16 NOV 1981

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1. This drawing was prepared by the Air Force and Navy Departments in the Air Force-Navy Tie Rod Standard, AN701-1000 LB (NO. 6-40). It is a standard drawing and is not to be used for any other purpose than as a guide in the manufacture of tie rods. It is not to be used for any other purpose than as a guide in the manufacture of tie rods. It is not to be used for any other purpose than as a guide in the manufacture of tie rods.



DASH NO.	L	DASH NO.	L	DASH NO.	L	DASH NO.	L	DASH NO.	L	DASH NO.	L	DASH NO.	L	DASH NO.	L	DASH NO.	L	DASH NO.	L
18	18	42	42	66	66	90	90	114	114	138	138	162	162	186	186	210	210	234	234
24	24	48	48	72	72	96	96	120	120	144	144	168	168	192	192	216	216	240	240
30	30	54	54	78	78	102	102	126	126	150	150	174	174	198	198	222	222	246	246
36	36	60	60	84	84	108	108	132	132	156	156	180	180	204	204	228	228	252	252
																		276	276



MATERIAL: CARBON STEEL. CORROSION RESISTING STEEL. SEE PROCUREMENT SPECIFICATION.

FINISH: CADIUM PLATE, QQ-P-416, TYPE II, CLASS 3

THREAD: MINIMUM THREAD FOR RIGID TERMINAL AND LOCK NUT 1-1/4. AIRPLANE MANUFACTURERS ARE PERMITTED TO INSTALL RODS WITH MINIMUM LENGTH OF THREADS AS INDICATED IN ALTERNATE DESIGN, ON AIRPLANES SUPPLIED ON GOVERNMENT ORDERS.

LENGTH "L" SHALL BE THE NEAREST 25/100, AS 1825, 1850, 1875, 19, 1925 TO FIT, FIGURING 50% TAKE UP AND 50% LET OUT. TO FIND ROD LENGTH SUBTRACT 1-1/4 FROM LENGTH BETWEEN PIN CENTERS OF ASSEMBLY.

OUT OFF EQUAL AMOUNT FROM EACH END OF STANDARD DESIGN STOCK SIZES FOR INTERMEDIATE LENGTHS. PART NO. SHALL INDICATE THE EXACT LENGTH OF ROD WITH LETTER "A" AFTER BASIC NO. FOR THE ALTERNATE DESIGN.

RODS OF THE STANDARD DESIGN, WHICH WILL BE USED FOR REPLACEMENT PURPOSES, WILL BEAR THE SAME NO. AS THOSE OF THE ALTERNATE DESIGN, WITHOUT THE LETTER "A".

FOR CORROSION RESISTING STEEL RODS INSERT "C" BEFORE DASH NO.

EXAMPLES OF PART NOS.: AN701A3050 = NO. 6-40 ROD, 30-1/2 INCH LONG, ALTERNATE DESIGN, CARBON STEEL.
AN701-3050 = NO. 6-40 ROD, 30-1/2 INCH LONG, STANDARD DESIGN, CARBON STEEL.
AN701C3050 = NO. 6-40 ROD, 30-1/2 INCH LONG, STANDARD DESIGN, CORROSION RESISTING STEEL.

REMOVE ALL BURRS AND SHARP EDGES.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES ON FRACTIONS ±1/64, DECIMALS ±.010, ANGLES ±1/2°.

PROCUREMENT SPECIFICATION REL-T-5684	AIR FORCE-NAVY AERONAUTICAL STANDARD TIE ROD—INTERNAL 1000 LB (NO. 6-40)	AN701
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CANCELLED AFTER 9 NOVEMBER 1981.
NO SUPERSEDING STANDARD.

APPROVED 2 Sep 82 REVISED 1 24 Jun 83 2 8 May 81 3 15 Jun 66 4 16 NOV 81