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REV.
A

AS81714/16

FEDERAL SUPPLY CLASS
5940

RATIONALE

FULL REVISION REQUIRED TO CLARIFY REQUIREMENTS, PART NUMBER DESCRIPTION WAS CORRECTED AND EDITORIAL CHANGES WERE MADE AS NECESSARY.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81714.

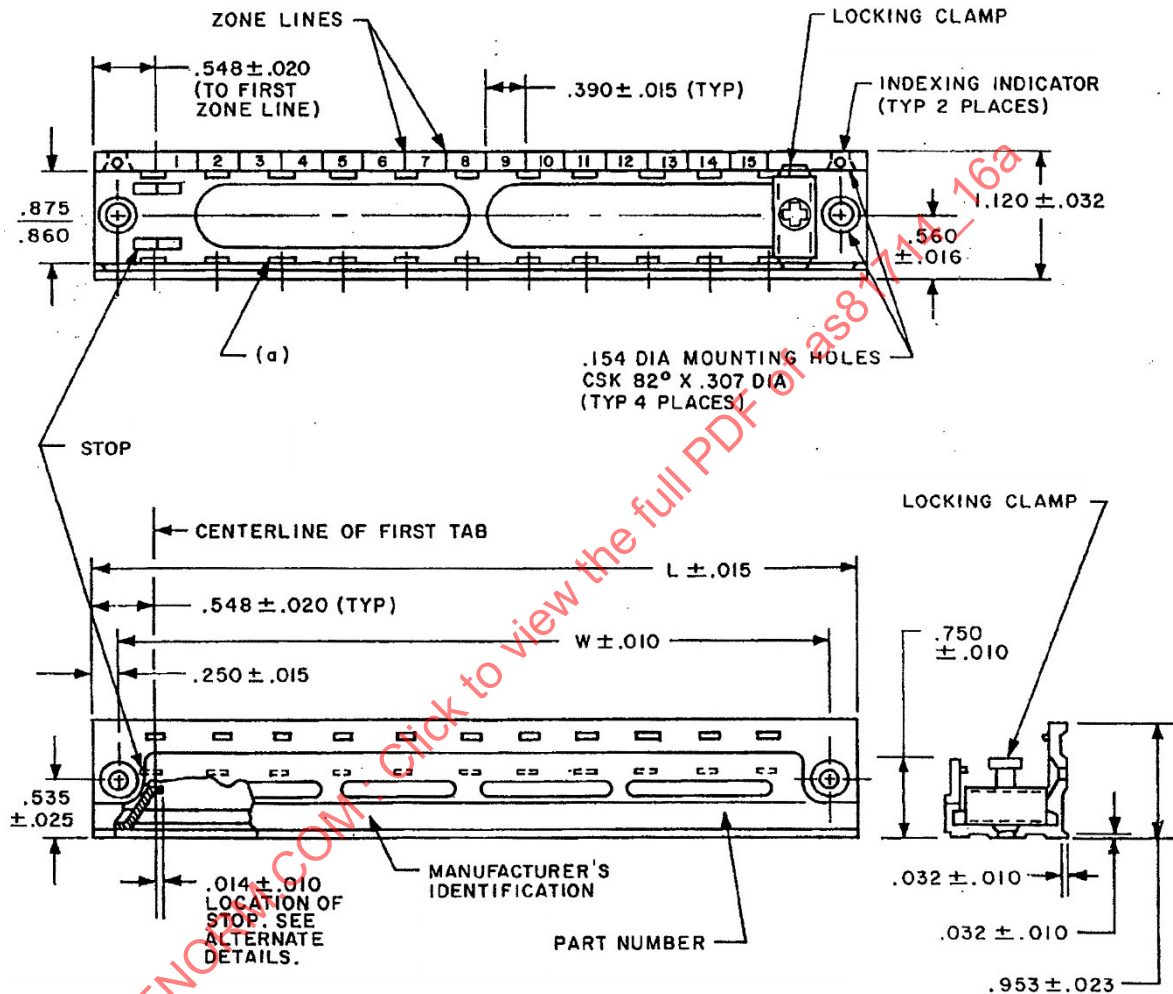
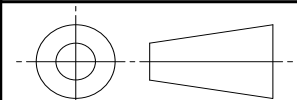


FIGURE 1 - AS81714/16 RACK ASSEMBLY

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS81714



AEROSPACE STANDARD

(R) TERMINAL JUNCTION SYSTEM,
RACK ASSEMBLY, TRACK, FEEDBACK TYPE,
LIGHT WEIGHT, SERIES I

AS81714/16
SHEET 1 OF 5

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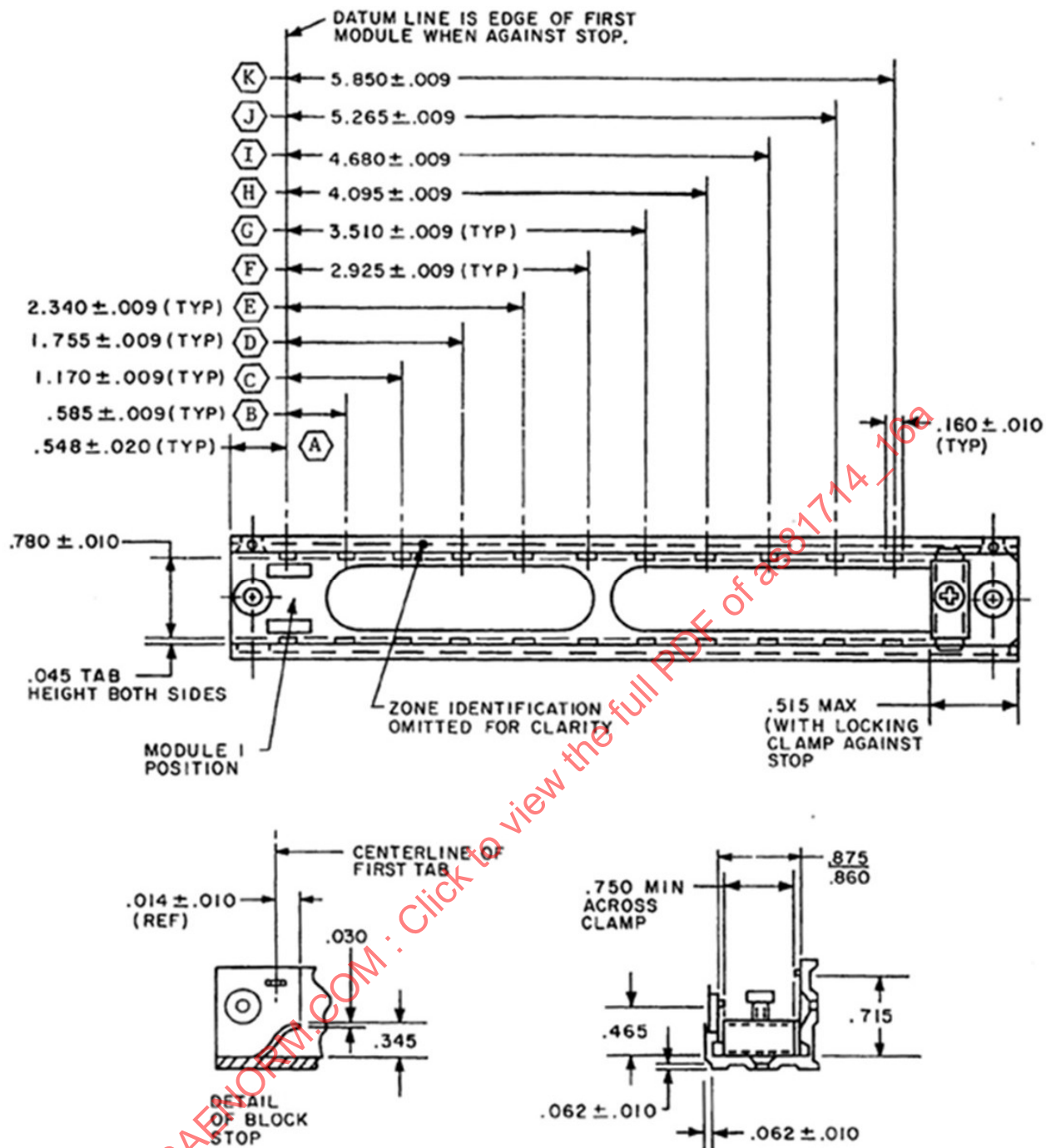
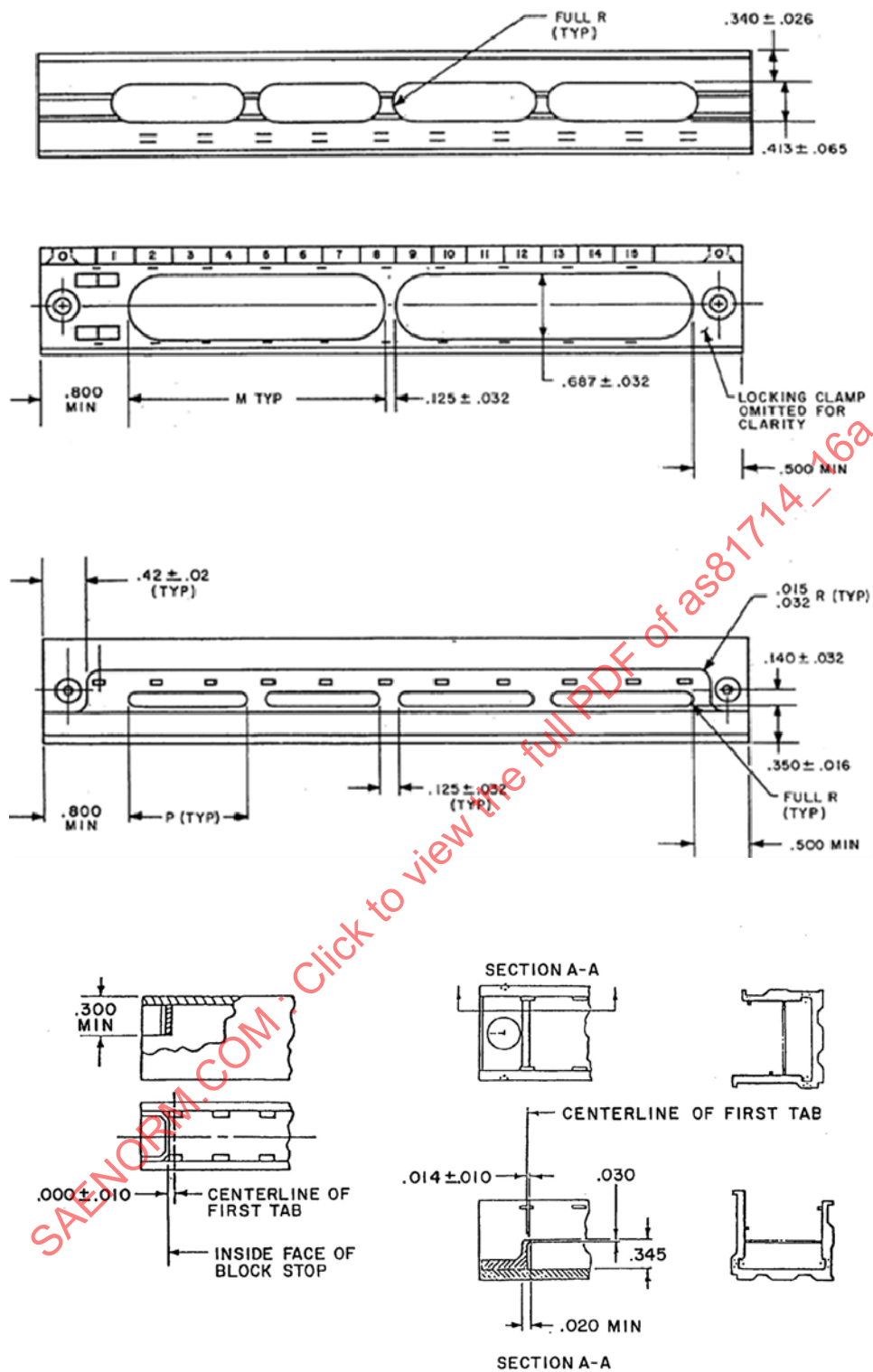


FIGURE 1 - AS81714/16 RACK ASSEMBLY (CONTINUED)



OPTIONAL BLOCK STOP DESIGNS

FIGURE 1 - AS81714/16 RACK ASSEMBLY (CONTINUED)

TABLE 1 - RACK DIMENSIONS AND BLOCK APPLICATION

M81714/16-	NUMBER OF BLOCKS 1/	L	W	M MIN. 2/	P MIN. 2/	QUANTITY OF SLOTS		 TAB LOCATION
						BOTTOM	EACH SIDE	
1	10	5.291	4.791	1.67	1.67	2	2	A - G
2	3	2.561	2.061	1.09	1.09	1	1	A - C
3	4	2.951	2.451	1.48	1.48	1	1	A - C
4	5	3.341	2.841	.70	.70	2	2	A - D
5	6	3.731	3.231	.90	.90			A - E
6	7	4.121	3.621	1.09	1.09			A - E
7	8	4.511	4.011	1.28	1.28			A - F
8	9	4.901	4.401	1.48	1.48			A - G
9	11	5.681	5.181	1.87	.86			A - H
10	12	6.071	5.571	2.06	.96		4	A - I
11	13	6.461	5.961	2.26	1.06			A - I
12	14	6.851	6.351	2.45	1.16			A - J
13	15	7.241	6.741	2.65	1.25			A - K

1/ NUMBER OF BLOCKS APPLIES TO THE 22HD, 22, 20, AND 16 SIZES. THE NUMBER OF SIZE 12 BLOCKS IS THE NUMBER SHOWN DIVISIBLE BY 3.

2/ DIMENSION APPLIES TO BOTH SIDE OF BACK.

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81714.

1. CONFIGURATION:

CONFIGURATION SHALL BE IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES AND UNLESS OTHERWISE SPECIFIED, TOLERANCE SHALL BE $\pm .005$ INCHES.

RACK SHALL BE FREE OF ALL BURRS. SHARP EDGES SHALL BE .015R MAX.

LOCKING CLAMP SHALL BE DESIGNED TO BE PERMANENTLY RETAINED IN RACK. THE LOCKING CLAMP SCREW SHALL BE CROSS RECESSED IN ACCORDANCE WITH NASM9006, 8-32UNC-2A X .500.

2. MATERIALS:

RACK AND LOCKING CLAMP SHALL BE ALUMINUM ALLOY 6063, TEMPER T5 IN ACCORDANCE WITH ASTM B241 OR ASTM B221 OR STAINLESS STEEL IN ACCORDANCE WITH ASTM A240.

LOCKING CLAMP SCREW SHALL BE CORROSION-RESISTANT STEEL, PASSIVATED, SELF-LOCKING OR EQUIVALENT.

3. FINISH AND MARKING:

ALUMINUM PARTS SHALL BE ANODIC COATED IN ACCORDANCE WITH MIL-A-8625, TYPE II, CLASS 2, AND COLORED BLACK. STAINLESS STEEL PARTS SHALL BE PASSIVATED IN ACCORDANCE WITH ASTM A967.

THE ZONE NUMBERS AND ZONE LINES SHALL BE WHITE (SEE FIGURE 1).

4. MARKING:

PART NUMBER IDENTIFICATION (PIN) SHALL BE AS SHOWN WITHOUT THE SPACES.

<u>M</u>	<u>81714/16</u>	<u>-10</u>	<u>S</u>	STAINLESS STEEL (LEAVE BLANK FOR ALUMINUM)
				DASH NUMBER (FRAME LENGTH SEE TABLE 1)
				BASIC AND DETAIL SPECIFICATION NUMBER
				PART NUMBER DESIGNATOR