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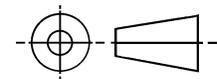
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THIRD ANGLE PROJECTION



ISSUED 2001-07

PREPARED BY SAE SUBCOMMITTEE AE-8C2



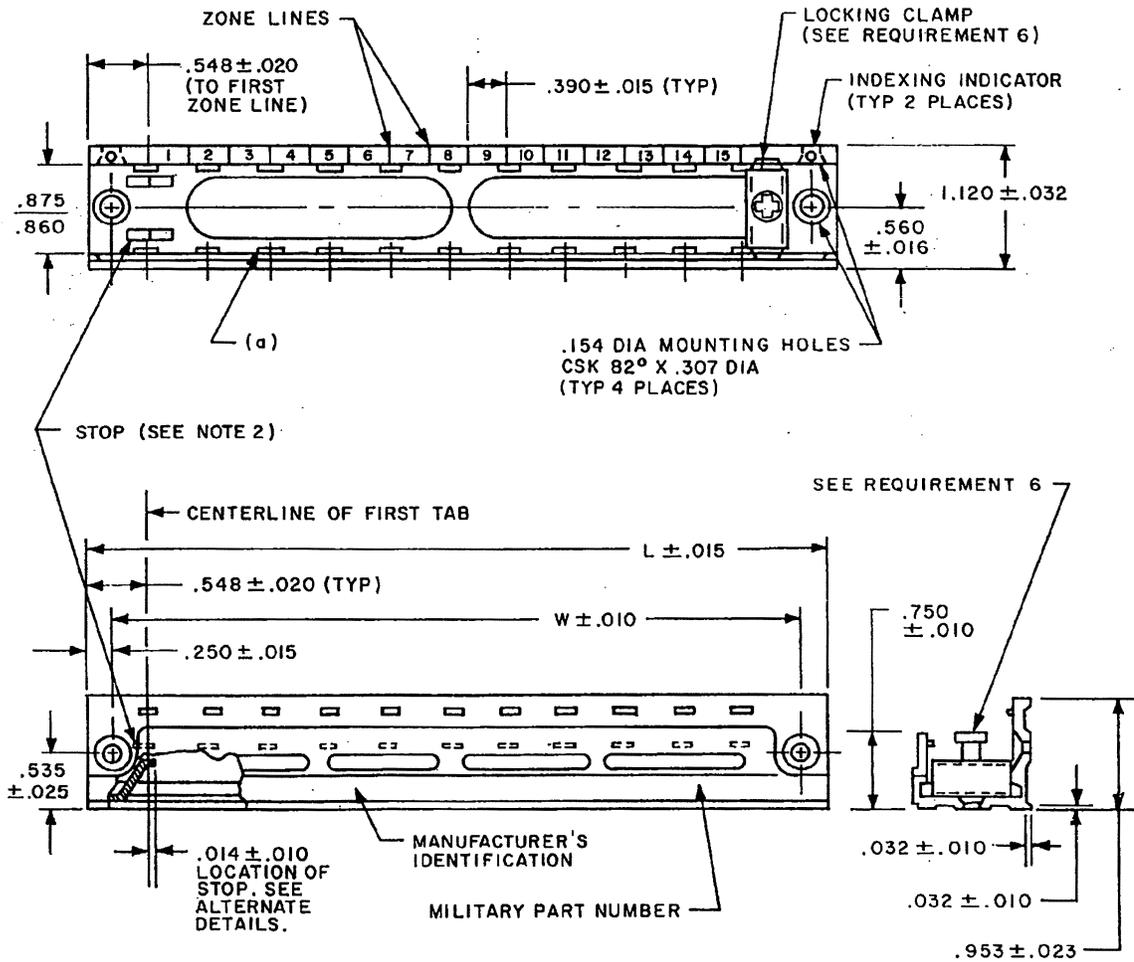
AEROSPACE STANDARD

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

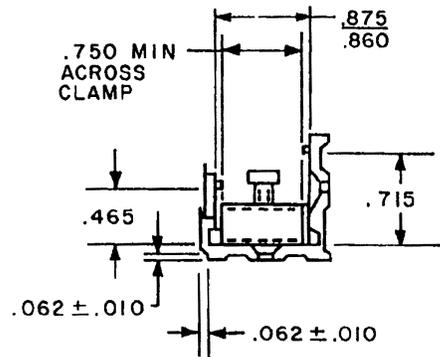
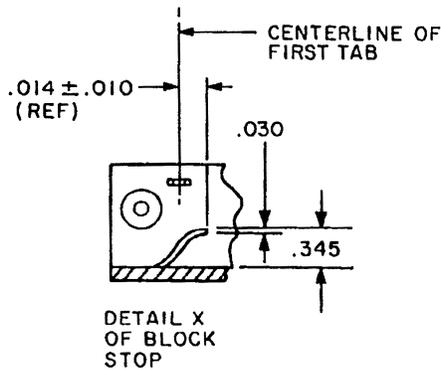
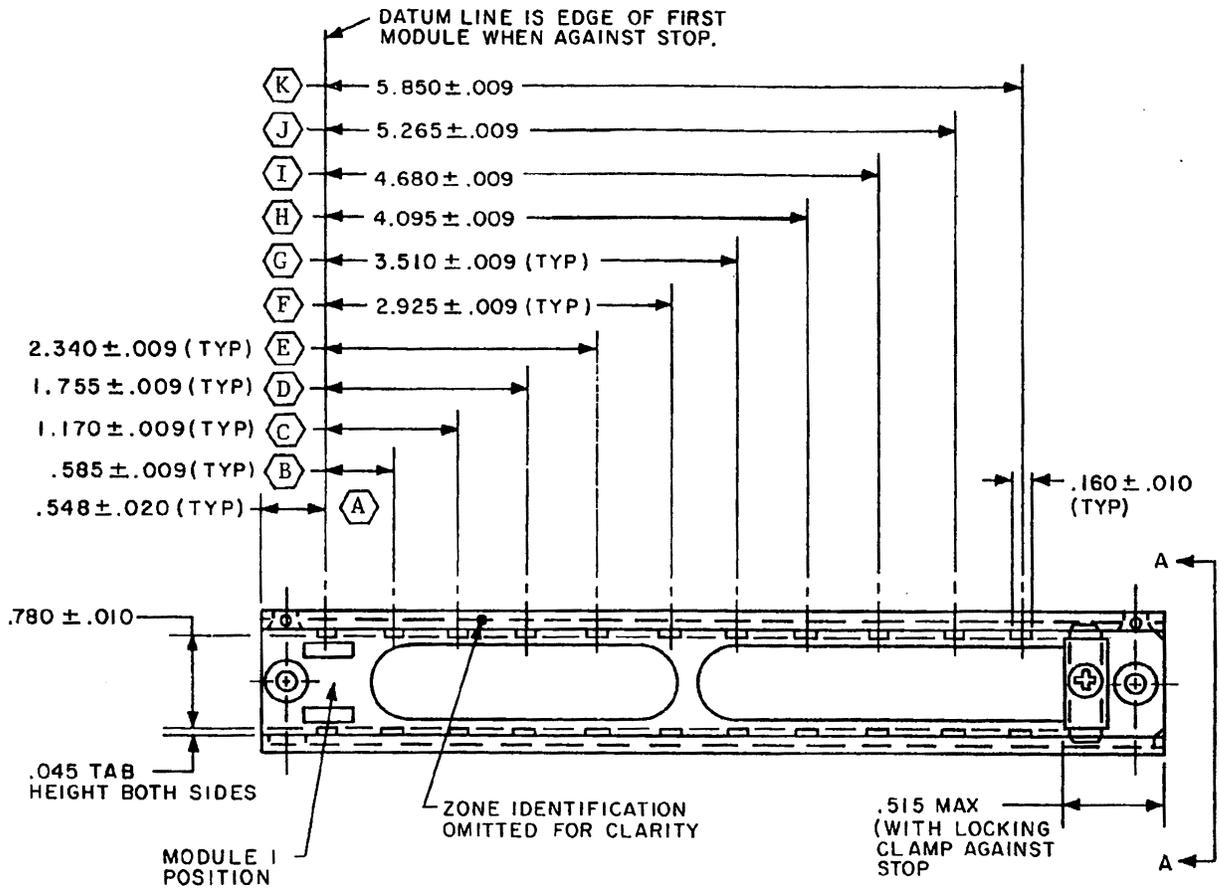
AS81714/16
SHEET 1 OF 8

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THE COMPLETE REQUIREMENTS FOR ACQUIRING THE RACK DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-T-81714.

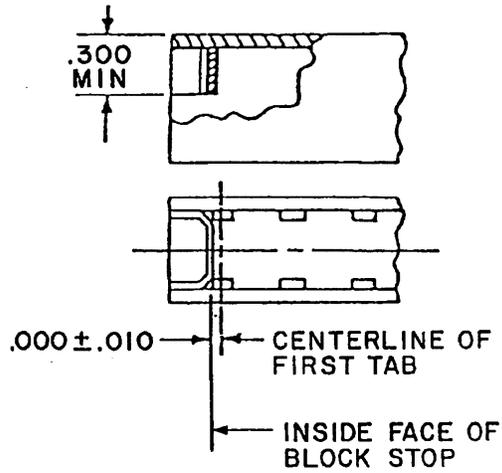


(a) CHANGE IN TAB DESIGN FROM TAPERED TO RECTANGULAR EFFECTIVE NO LATER THAN 1 YEAR FROM DATE OF REVISION B.

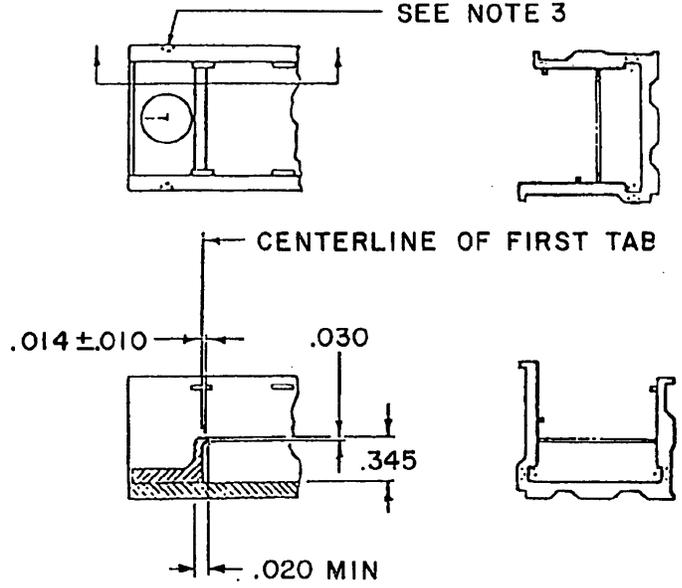


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ALTERNATE DETAILS FOR BLOCK STOP



DETAIL A



DETAIL B

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TABLE I.

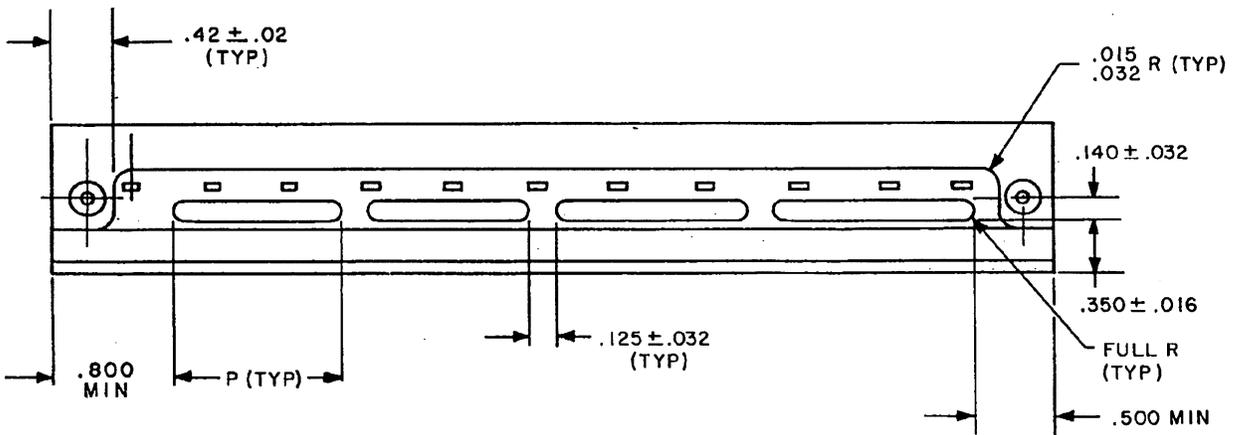
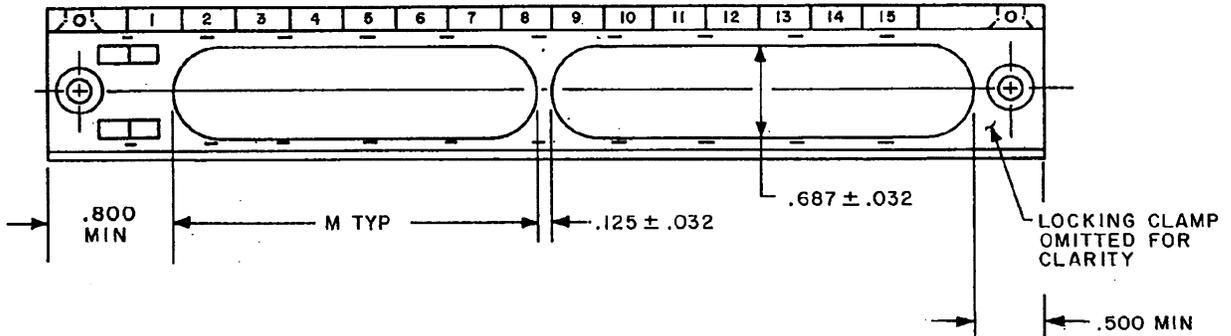
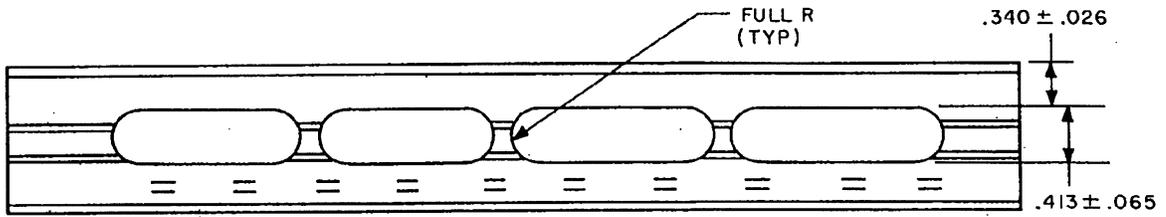
Dash Number	Number of Blocks <u>1/</u>	L	W	M Min	P Min <u>2/</u>	Quantity of Slots		Tab Location
						Bottom	Each Side	
1	10	5.291	4.791	1.67	1.67	2	2	⬡ A Thru ⬡ G
2	3	2.561	2.061	1.09	1.09	1	1	⬡ A Thru ⬡ C
3	4	2.951	2.451	1.48	1.48	1	1	⬡ A Thru ⬡ C
4	5	3.341	2.841	.70	.70	2	2	⬡ A Thru ⬡ D
5	6	3.731	3.231	.90	.90	2	2	⬡ A Thru ⬡ E
6	7	4.121	3.621	1.09	1.09	2	2	⬡ A Thru ⬡ E
7	8	4.511	4.011	1.28	1.28	2	2	⬡ A Thru ⬡ F
8	9	4.901	4.401	1.48	1.48	2	2	⬡ A Thru ⬡ G
9	11	5.681	5.181	1.87	.86	2	4	⬡ A Thru ⬡ H
10	12	6.071	5.571	2.06	.96	2	4	⬡ A Thru ⬡ I
11	13	6.461	5.961	2.26	1.06	2	4	⬡ A Thru ⬡ I
12	14	6.851	6.351	2.45	1.16	2	4	⬡ A Thru ⬡ J
13	15	7.241	6.741	2.65	1.25	2	4	⬡ A Thru ⬡ K

NOTES:

1/ Number of blocks apply 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 sides of the rack.

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Inch	mm	Inch	mm	Inch	mm	Inch	mm
.005	0.13	.350	8.89	1.16	29.46	3.621	91.97
.009	0.23	.390	9.91	1.120	28.45	3.731	94.77
.010	0.25	.413	10.49	1.170	29.72	4.011	101.88
.014	0.36	.42	10.67	1.25	31.75	4.095	104.01
.015	0.38	.465	11.81	1.28	32.51	4.121	104.67
.016	0.41	.500	12.70	1.48	37.59	4.401	111.79
.020	0.51	.515	13.08	1.67	42.42	4.511	114.58
.023	0.58	.535	13.59	1.755	44.58	4.680	118.87
.025	0.64	.548	13.92	1.87	47.50	4.791	121.69
.026	0.66	.560	14.22	2.06	52.32	4.901	124.49
.030	0.76	.585	14.86	2.061	52.35	5.181	131.60
.032	0.81	.687	17.45	2.26	57.40	5.265	133.73
.045	1.14	.70	17.78	2.340	59.44	5.291	134.39
.062	1.57	.715	18.16	2.45	62.23	5.571	141.50
.065	1.65	.750	19.05	2.451	62.26	5.681	144.30
.125	3.18	.780	19.81	2.561	65.05	5.850	148.59
.140	3.56	.800	20.32	2.65	67.31	5.961	151.41
.160	4.06	.86	21.84	2.841	72.16	6.071	154.20
.161	4.09	.875	22.23	2.925	74.30	6.351	161.32
.250	6.35	.90	22.86	2.951	74.96	6.461	164.11
.300	7.62	.953	24.21	3.231	82.07	6.741	171.22
.307	7.80	.96	24.38	3.341	84.86	6.851	174.02
.340	8.64	1.06	26.92	3.510	89.15	7.241	183.92
.345	8.76	1.09	27.69				

REQUIREMENTS:

1. MATERIALS:

RACK AND LOCKING CLAMP; ALUMINUM ALLOY 6063, TEMPER T5 IN ACCORDANCE WITH QQ-A-200/9 OR STAINLESS STEEL IN ACCORDANCE WITH QQ-S-766.

2. FINISH:

ALUMINUM PARTS SHALL BE ANODIC COATED IN ACCORDANCE WITH MIL-A-8625, TYPE II, CLASS 2, BLACK. STAINLESS STEEL PARTS SHALL BE PASSIVATED IN ACCORDANCE WITH QQ-P-35.

3. THE RACK SHALL BE DESIGNED FOR INSTALLATION OF MIL-T-81714/1 THRU /4 AND /17 THRU 20 AND /25 BLOCKS.

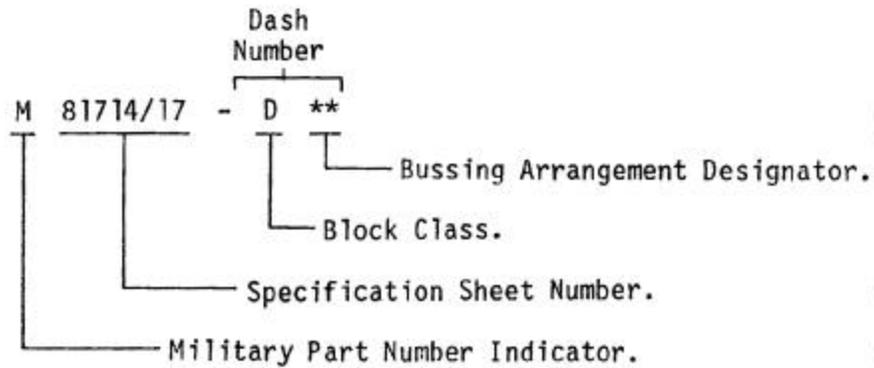
4. ZONE NUMBERS AND ZONE LINES SHALL BE WHITE.

5. RACK TO BE FREE OF ALL BURRS AND SHARP EDGES .015R MAX.

6. LOCKING CLAMP SHALL BE DESIGNED TO BE PERMANENTLY RETAINED IN RACK. THE LOCKING CLAMP SCREW SHALL BE CROSS RECESSED IN ACCORDANCE WITH MS9006, 8-32UNC-2A X .500, CORROSION-RESISTANT STEEL, PASSIVATED, SELF-LOCKING OR EQUIVALENT.

NOTES:

1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN INCHES, TOLERANCES: DECIMALS ± 0.005 .
2. STOP DESIGN OPTIONAL. SEE DETAILS A AND B.
3. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
4. PART NUMBER: THE PART NUMBER CONSISTS OF THE LETTER M, SPECIFICATION SHEET NUMBER, AND DASH NUMBER FROM TABLE I. WHEN PARTS ARE MADE FROM ALUMINUM, ADD NO LETTER AFTER THE DASH NUMBER. WHEN PARTS ARE MADE FROM STAINLESS STEEL, ADD AN S AFTER THE DASH NUMBER.



PART NUMBER EXAMPLE:

M81714/16-1

ALUMINUM FEEDTHRU RACK ASSEMBLY DASH NUMBER 1.

5. INTERNATIONAL INTEREST, SEE SPECIFICATION MIL-T-81714.
6. SUPERSESSION DATA: THIS SPECIFICATION SHEET SUPERSEDES MIL-T-81714/5.