

PROJ. NO. (BC) 96-87 K-044-1(28) P.TS. I & II

MINIMUM NUMBER OF FASTENERS REQUIRED PER LETTER OR DIGIT OF BUTTON SUPPORT FRAME

MODIFIED SERIES "E"	LETTER & NUMBER HEIGHT	METAL THICKNESS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	0	1	2	3	4	5	6	7	8	9
	24"	0.040	14	12	10	14	13	13	12	16	6	7	13	9	16	14	14	11	12	11	14	8	12	9	16	10	9	10	12	7	12	14	12	15	11	12	10	11
	20"	0.040	8	9	6	7	9	7	8	9	4	5	8	6	12	10	8	7	8	9	7	6	8	7	12	9	6	8	8	4	8	7	7	8	7	6	9	7
	18"	0.040	8	9	6	7	9	7	8	9	4	5	8	6	12	10	8	7	8	9	8	5	8	7	12	10	6	8	8	4	8	7	7	9	7	6	8	7
	16"	0.040	8	9	6	9	9	7	7	9	4	5	9	5	12	10	8	7	8	9	8	5	7	7	13	8	6	8	8	3	9	8	8	9	8	6	8	8
	15"	0.040	8	7	6	6	9	7	7	7	4	4	7	5	9	7	6	6	7	8	6	5	6	7	13	8	6	8	6	4	8	8	7	7	6	6	8	6
	13.33"	0.040"	6	6	5	5	8	6	6	7	3	4	7	4	9	7	5	5	5	7	6	5	6	5	9	6	4	8	5	3	8	7	6	7	6	5	6	6
	12"	0.040"	6	6	5	5	6	5	6	7	3	4	6	4	8	7	4	5	5	6	6	4	5	5	8	6	4	6	4	3	7	6	5	7	5	5	6	5
	10.67"	0.040"	6	5	5	5	6	5	5	7	3	3	5	4	8	7	4	5	4	5	5	4	5	5	8	5	4	5	4	3	5	5	5	5	5	4	5	4
	10"	0.040"	5	6	5	5	6	5	5	7	3	4	6	4	8	6	4	5	5	6	6	4	5	5	8	5	4	5	4	3	5	5	5	5	6	6	4	6
8"	0.040"	4	4	3	3	5	4	3	5	2	3	4	3	5	5	4	4	4	4	4	4	4	4	3	5	5	4	4	4	2	4	4	3	4	4	3	4	4
6"	0.040"	3	4	3	3	4	4	4	4	2	3	4	3	4	4	4	4	3	4	4	4	3	3	3	5	4	3	4	4	2	3	4	3	4	3	3	4	3

MODIFIED SERIES "E"	LETTER HEIGHT	METAL THICKNESS	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
	18"	0.040"	7	9	7	9	7	6	10	8	4	5	8	4	10	7	8	9	8	5	8	6	7	7	13	6	7	8
	15"	0.040"	7	7	7	7	7	7	9	8	4	5	8	4	9	7	8	7	7	5	8	6	7	7	13	6	8	7
	12"	0.040"	6	7	5	7	6	5	7	7	3	4	7	4	9	6	6	7	7	4	6	5	6	6	7	6	8	7
	10"	0.040"	5	5	5	5	5	5	6	6	3	4	6	4	9	6	6	5	5	4	6	5	6	5	8	6	6	5
	8"	0.040"	4	5	4	5	4	3	5	5	2	3	5	3	6	4	4	5	5	3	4	3	4	3	5	4	4	4
	6"	0.040"	4	3	3	3	4	3	4	4	2	2	4	2	6	4	4	3	3	3	4	2	4	3	5	4	4	4
4 1/2"	0.040"	3	3	3	3	4	3	3	4	2	2	4	2	5	4	4	3	3	3	3	3	2	4	3	5	4	3	4

NOTES:

Tables are provided to determine the number of fasteners (and drilled holes for fasteners) required for a single button support frame. Letters and numbers shall be sheet aluminum of the thickness shown in table. Sheet aluminum shall be ASTM B-209, Alloy 6061-T6 or 3003-H14. Fasteners shall be aluminum self-plugging front entry expanding rivet 1/8" diameter.

[illegible]

3					
2					
1					
NO	DATE	REVISIONS	BY	APP'D	

KANSAS DEPARTMENT OF TRANSPORTATION
FASTENERS FOR
REMOVABLE CUTOUT LEGEND
BUTTON SUPPORT
FRAMES

SHEET NO <u>86</u> OF <u>43</u>		SCALE	APP'D	<i>William F. App...</i>
DESIGNED	DETAILED	QUANTITIES	TRACE	
DESIGN CK	DETAIL CK	QUAN. CK	TRACE CK	