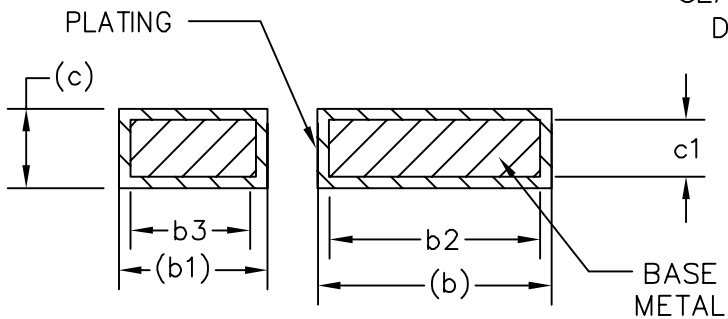


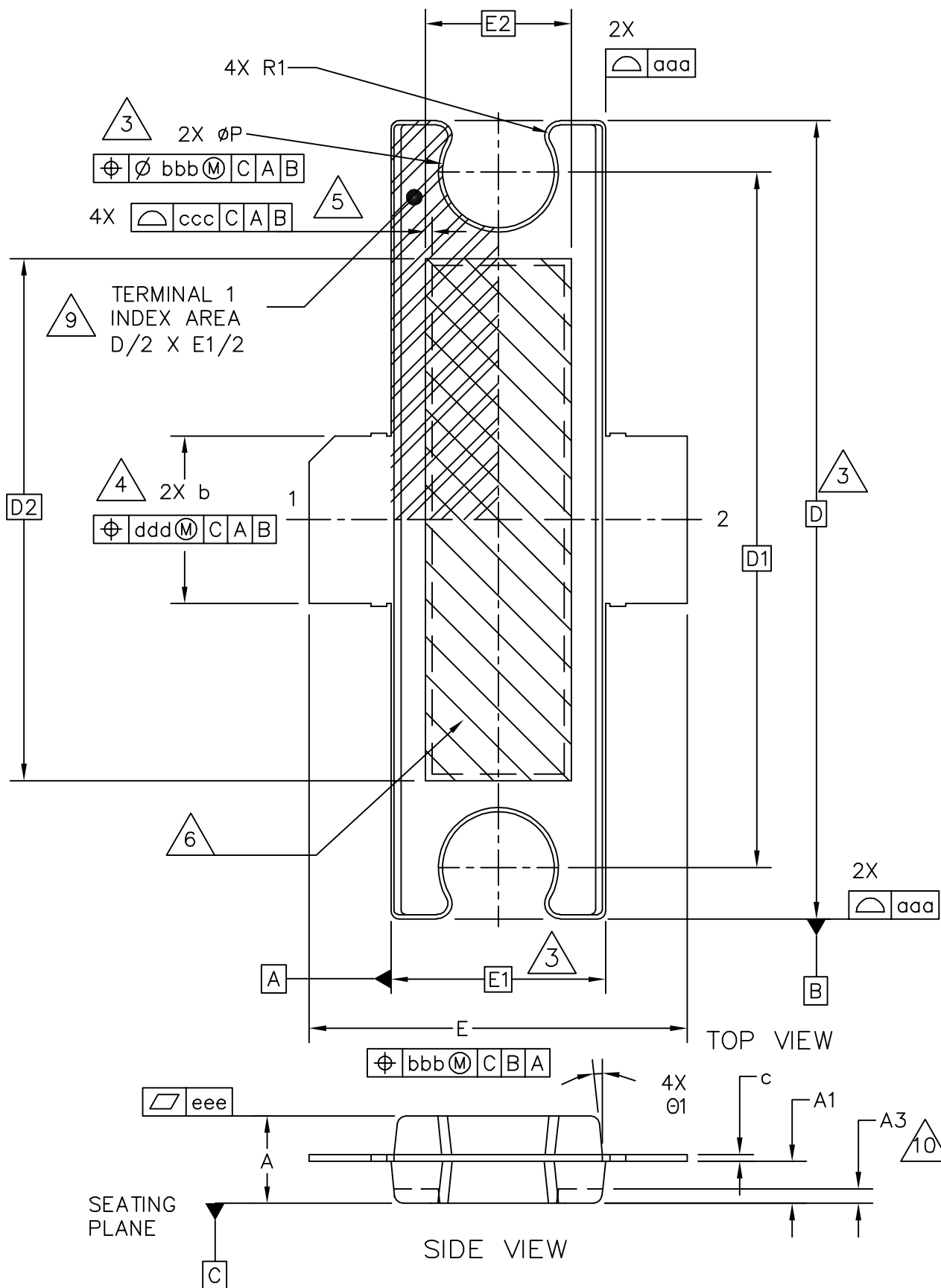
BOTTOM VIEW

SEATING PLANE  
DATUM "C"

DETAIL "C"

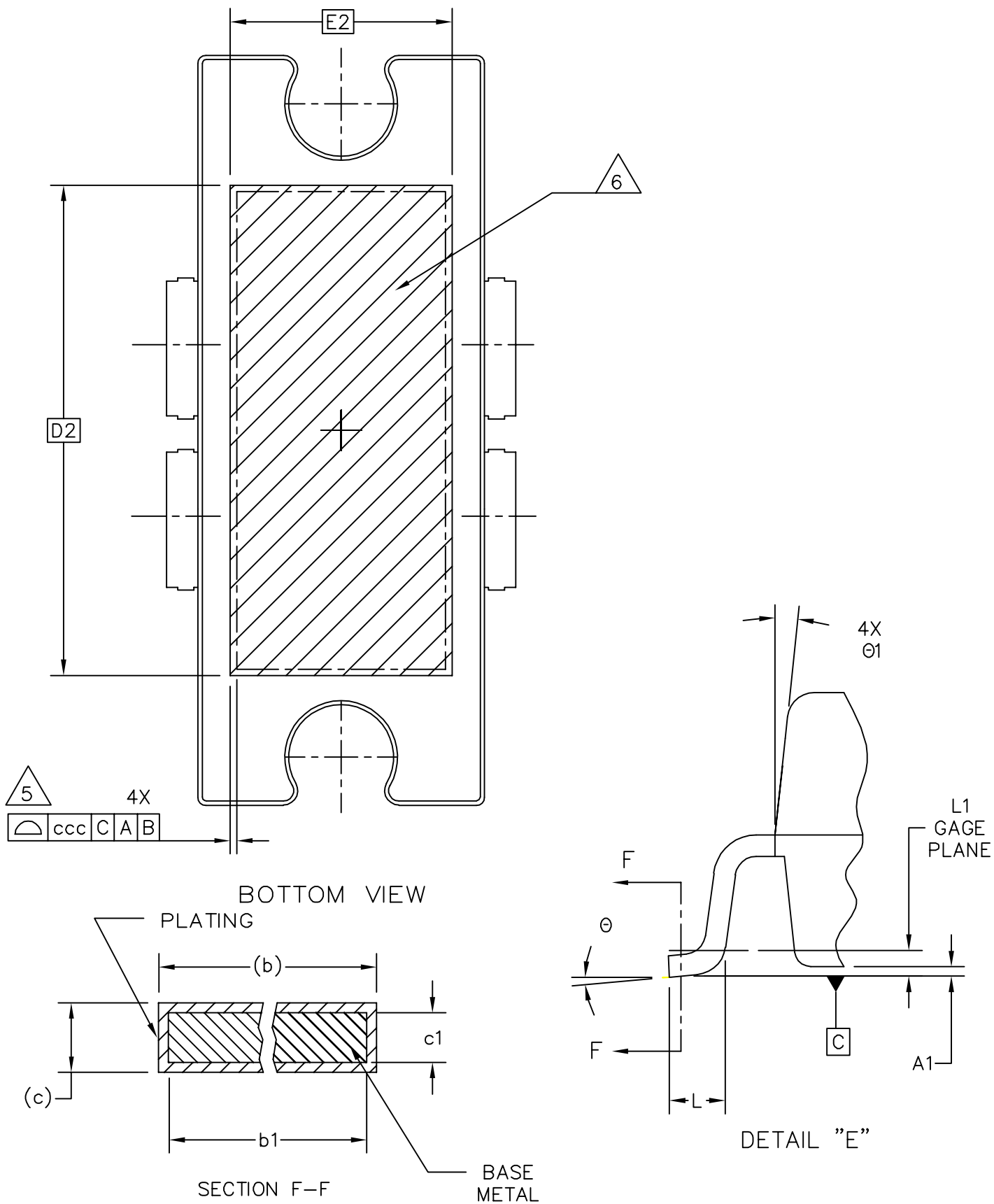


SECTION B-B  
ROTATED 90° CCW









SUMMARY TABLE				
BODY SIZE	LEAD COUNT	VARIATIONS		
		"C" FORM	STRAIGHT LEAD	GULL WING
6.35 X 23.62	6	AA	BA	--
9.02 X 23.62	4	--	BB	CB
6.35 X 23.62	2	AC	BC	--

COMMON DIMENSIONS				
SYMBOL	MIN	NOM	MAX	NOTE
A3	0.35	0.43	0.51	10
c	0.15	-----	0.31	
c1	0.15	0.20	0.28	
D	-----	23.62 BSC	-----	3
D1	-----	20.57 BSC	-----	
D2	-----	15.44 BSC	-----	
D3	12.50	12.70	12.90	10
E3	1.20	1.40	1.60	10
P	3.20	3.30	3.40	3
R1	0.36	0.46	0.56	
Ø1	4°	6°	8°	
NOTES	1, 2			
REF	10-429			
ISSUE	B			

TOLERANCE OF FORM & POSITION	
aaa	0.20
bbb	0.15
ccc	0.20
ddd	0.10
eee	0.05
NOTES	1, 2
REF	10-387
ISSUE	A

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE  2, 4, & 6 LEAD SCREW DOWN POWER PACKAGE	ISSUE  C	DATE OCT 07	TO-272	SHEET  7 OF 12
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VARIATIONS								
	AA				AC			
SYMBOL	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE
A	----	----	2.80		----	----	2.80	
A1	0.00	0.04	0.08		0.00	0.04	0.08	
A2	2.49	2.59	2.69		2.49	2.59	2.69	
A4	1.10	1.30	1.50		1.10	1.30	1.50	
b	4.90	-----	5.12	4	4.90	-----	5.12	4
b1	1.98	----	2.20	4	-----	-----	-----	
b2	4.90	4.98	5.06		4.90	4.98	5.06	
b3	1.98	2.06	2.14		-----	-----	-----	
b4	-----	3.00 BSC	-----	7	-----	3.00 BSC	-----	7
e	-----	4.90 BSC	-----		-----	-----	-----	
E	7.52	7.62	7.72		7.52	7.62	7.72	
E1	-----	6.35 BSC	-----	3	-----	6.35 BSC	-----	3
E2	-----	4.32 BSC	----		-----	4.32 BSC	----	
k	0.66	0.76	0.86		0.66	0.76	0.86	
L	1.50	1.65	1.80		1.50	1.65	1.80	
R2	0.15	-----	0.30		0.15	-----	0.30	
ϑ	0°	1.5°	4°		0°	1.5°	4°	
N	6			12	2			12
NOTES	1, 2				1, 2			
REF	10-387, 10-444				10-429, 10-444			
ISSUE	C				C			

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE  2, 4, & 6 LEAD SCREW DOWN POWER PACKAGE	ISSUE  C	DATE OCT 07	TO-272	SHEET  8 OF 12
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VARIATIONS								
	BA				BB			
SYMBOL	MIN	NOM	MAX	NOTE	MIN	NOM	MAX	NOTE
A	2.49	2.59	2.69		2.49	2.59	2.69	
A1	0.96	1.04	1.12		0.96	1.04	1.12	
b	4.90	-----	5.12	4	4.14	-----	4.40	4
b1	1.98	-----	2.20	4	-----	-----	-----	
b2	4.90	4.98	5.06		4.14	4.24	4.34	
b3	1.98	2.06	2.14		-----	-----	-----	
b4	-----	3.00 BSC	-----	7	-----	3.00 BSC	-----	7
e	-----	4.90 BSC	-----		-----	2.69 BSC	-----	
E	7.52	7.62	7.72		14.00	14.10	14.20	
E1	-----	6.35 BSC	-----	3	-----	9.02 BSC	-----	3
E2	-----	4.32 BSC	---		-----	6.98 BSC	---	
k	0.66	0.76	0.86		0.66	0.76	0.86	
N	6			12	4			12
NOTES	1, 2				1, 2			
REF	10-429, 10-444				10-429			
ISSUE	C				B			

VARIATIONS				
	BC			
SYMBOL	MIN	NOM	MAX	NOTE
A	2.49	2.59	2.69	
A1	0.96	1.04	1.12	
b	4.90	-----	5.12	4
b1	-----	---	-----	
b2	4.90	4.98	5.06	
b3	-----	-----	-----	
b4	-----	3.00 BSC	-----	7
e	-----	-----	-----	
E	7.52	7.62	7.72	
E1	-----	6.35 BSC	-----	3
E2	-----	4.32 BSC	---	
k	0.66	0.76	0.86	
N	2			12
NOTES	1, 2			
REF	10-429, 10-444			
ISSUE	C			

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE  2, 4, & 6 LEAD SCREW DOWN POWER PACKAGE	ISSUE  C	DATE OCT 07	TO-272	SHEET  9 OF 12

VARIATIONS				
	CB			
SYMBOL	MIN	NOM	MAX	NOTE
A	-----	-----	2.80	
A1	0.02	0.06	0.10	
A2	2.49	2.59	2.69	
b	4.14	-----	4.40	4
b1	-----	----	-----	
b2	4.14	4.24	4.34	
b3	-----	-----	-----	
b4		3.00 BSC		7
e	-----	2.69 BSC	-----	
E	10.90	11.00	11.10	
E1	-----	9.02 BSC	-----	3
E2	-----	6.98 BSC	----	
L	0.43	0.53	0.63	
L1		0.25 BSC		
ϑ	2°	5°	8°	
N	4			12
NOTES	1, 2			
REF	10-429			
ISSUE	B			

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE  2, 4, & 6 LEAD SCREW DOWN POWER PACKAGE	ISSUE  C	DATE OCT 07	TO-272	SHEET  10 OF 12
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## NOTES

1. DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-1994.

2. ALL DIMENSIONS IN MILLIMETERS.

3. D, E1 AND  $\phi P$  ARE DETERMINED AT THE PLANE WHERE THE TOP OF THE LEADS EXIT THE PACKAGE. D, E1, AND  $\phi P$  DO NOT INCLUDE MOLD PROTRUSION. MOLD PROTRUSION SHALL NOT EXCEED 0.15mm PER SIDE.

4. THE b AND b1 DIMENSIONS DO NOT INCLUDE DAM BAR PROTRUSION. ALLOWABLE PROTRUSION SHALL BE 0.15mm TOTAL IN EXCESS OF THE b AND b1 DIMENSION AT MAXIMUM MATERIAL CONDITION.

5. UNILATERAL PROFILE TOLERANCE DEFINES THE MINIMUM EXPOSED AREA OF THE HEAT SLUG. THE PROFILE APPLIES TO ALL EDGES. THE MAXIMUM EXPOSED AREA OF THE HEAT SLUG MAY EXTEND TO THE PACKAGE EDGE.

6. HATCHED AREA REPRESENTS THE EXPOSED AREA OF THE HEAT SLUG.

7. LEAD EDGE MAY BE UNDERCUT BY UP TO 0.5mm IN THIS ZONE.

8. TERMINALS 3A, 3B, 3C AND 3D ARE ELECTRICALLY COMMON.

9. THE TERMINAL #1 IDENTIFIER AND TERMINAL NUMBERING CONVENTION SHALL CONFORM TO JEP95, SECTION 3 AND SPP-012. DETAILS OF TERMINAL #1 IDENTIFIER ARE OPTIONAL, BUT MUST BE LOCATED WITHIN THE ZONE INDICATED. THE TERMINAL #1 IDENTIFIER MAY BE EITHER A MOLD OR MARKED FEATURE.

10. FOR STRAIGHT LEAD AND GULL WING VARIATIONS, DIMENSIONS D3, E3, AND A3 DEFINE OPTIONAL FEATURES.

11. HOLES THROUGH TO THE HEAT SLUG SIZE AND, LOCATION ARE OPTIONAL.

12. N IS THE TOTAL NUMBER OF TERMINALS.

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE  2, 4, & 6 LEAD SCREW DOWN POWER PACKAGE	ISSUE  C	DATE  OCT 07	TO-272	SHEET  11 OF 12
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# Change Record

If the change involves any words added or deleted (excluding deletion of accidentally repeated words), the change is to be included below. Punctuation changes may or may not be included.

Initial Issue: —	Date: NOV 99	Item: 10-387
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Revision History:
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Issue: B	Date: Feb 04	Item: 10-429
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Issue: C	Date: Oct 07	Item: 10-444
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Location	Change from:	Change to:
SHT 8: Variations AA & AC: Symbol E2	6.10 BSC	4.32 BSC
SHT 9: Variations BA & BC: Symbol E2	6.10 BSC	4.32 BSC
SHT'S 1 & 3	TERMINAL 1 INDEX	TERMINAL 1 INDEX AREA D/2 X E1/2 ADDED HATCHED AREA

Issue:	Date:	Item:
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Location	Change from:	Change to:

Issue:	Date:	Item:
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Location	Change from:	Change to: