

beml

COMPANY STANDARDS

ANNEXURE - A

DATE : 2007-03 27

TITLE :

BEML LOGO

STD NO.: DS^19-C

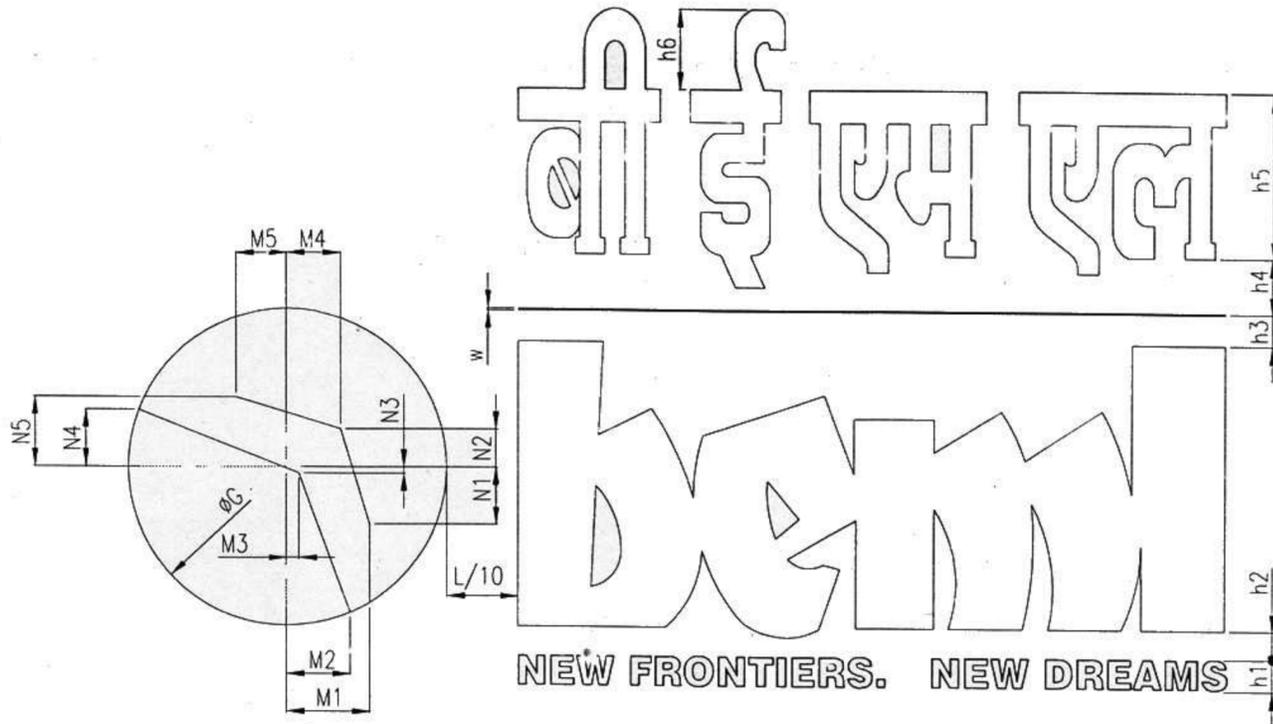


FIGURE - A

TABLE - B

Unit in mm

LENGTH L	10	15	25	50	75	100	150	200	212	225	250	300	500	750	1000	1350
Ø G	4.5	6.75	11.25	22.5	33.75	45	67.5	90	94.5	101.24	112.5	135.0	225	387.5	550	607.44
M1	1.17	1.75	2.92	5.85	8.77	11.7	17.5	23.4	24.57	26.32	29.25	35.1	58.50	89.74	117	158
M2	0.9	1.35	2.25	4.5	6.75	9	13.5	18.0	18.9	20.25	22.5	27.0	45	67.5	90	121.5
M3	0.18	0.27	0.45	0.9	1.35	1.8	2.7	3.6	3.78	4.05	4.5	5.4	9	13.5	18	24.3
M4	0.76	1.15	1.91	3.82	5.73	7.6	11.4	15.2	16.06	17.21	19.4	22.8	38.8	57.37	76.0	103.25
M5	0.72	1.08	1.8	3.6	5.4	7.2	10.8	14.4	15.12	16.2	18.0	21.6	36.0	54.0	72.0	97.19
N1	0.81	1.21	2.02	4.05	6.06	8.1	12.12	16.2	17.0	18.22	20.25	24.3	40.5	60.75	81.0	109.34
N2	0.54	0.81	1.35	2.70	4.05	5.4	8.10	10.8	11.3	12.15	13.50	16.2	27.00	40.50	54.0	72.9
N3	(0.09)	(0.13)	(0.22)	0.45	0.66	0.90	1.35	1.8	1.89	2.02	2.25	2.70	4.50	6.75	9.0	12.15
N4	0.81	1.21	2.02	4.05	6.06	8.10	12.15	16.2	17.01	18.22	20.25	24.30	40.50	60.75	81.0	109.3
N5	1.0	1.5	2.5	5.0	7.5	10.0	15.0	20.0	21.2	22.5	25.0	30.0	50.0	75.0	100.0	135.0
h1	(0.45)	0.68	1.13	2.25	3.39	4.50	6.75	9.0	9.47	10.15	11.25	13.50	22.50	33.75	45.0	60.9
h2	(0.41)	0.61	1.02	2.05	3.06	4.10	6.15	8.20	8.6	9.21	10.25	12.30	20.50	30.75	41.0	55.3
h3	(0.45)	0.68	1.13	2.25	3.37	4.5	6.75	9.0	9.45	10.5	11.25	13.50	22.50	33.75	45.0	60.9
h4	0.67	1.0	1.67	3.35	5.0	6.7	10.05	13.4	14.00	15.0	16.75	20.1	33.5	50.25	67.0	88.8
h5	2.45	3.67	6.12	12.25	18.37	24.5	36.75	49.0	52.0	55.0	61.25	73.5	122.5	183.75	245.0	330.75
h6	1.2	1.8	3.0	6.0	7.5	12.0	18.0	24.0	25.4	27.0	30.0	36.0	60.0	90.0	120.0	162
W	(0.03)	(0.05)	(0.08)	(0.16)	(0.25)	(0.30)	0.50	0.60	0.70	0.75	0.80	0.90	1.60	2.4	3.2	4.5

- Note : 1). Figures shown in brackets are calculated - suitable sizes may be adopted.
 2). Colour scheme – beml and Hindi letters in Blue, Globe in 'Red', bird on globe in white and corporate slogan NEW FRONTIERS. NEW DREAMS. and parting line between beml and Hindi letters in black.

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COPY NO. 02



COMPANY STANDARDS

DS1019-C

TITLE :

BEML LOGO

PAGE NO. 1 OF 6

DATE : 2003-08-16

0. GENERAL :

This Standard is based on the original design of BEML Logo from M/s National Institute of Design, Ahmedabad. Since representation of Logo on design drawings needed sizing of Logo based on dimensions, this standard has been formulated for representation of Logo on design drawings with stipulated dimensions. This issuance is brought out to incorporate higher size logos for equipments like BE1600 & 10 Cu.m Rope shovel.

This issuance supersedes DS1019-C issue-0 dated 1989-05-03 and its amendment.

1. SCOPE :

This standard stipulates dimensions, method of indication on drawings and application of Company Logo, which is common to all the units.

2. DIMENSIONS :

Dimensions of the Logo derived from photo designed by M/s N.I.D. are indicated in Figures-2a, 2b, 2c and 2d and Table-1A, 1B, 1C and 1D.

3. METHOD OF INDICATING ON DRAWINGS :

Appropriate size of Logo shall be selected depending on the size of the part on which this Logo is to be indicated.

For easy identification, Logo is designated by the nominal length sizes as given in Tables-1A to 1D and Figures-2a to 2d.

Alpha letter L followed by appropriate length code signifies the length of Logo in mm to be cast/ embossed /indented/ printed, as shown in Figure-1.



(FOR NOMINAL LENGTH – L 25)

FIGURE-1

The proportionate dimensions for different lengths are given in Figures 2a to 2d and Tables-1A to 1D.

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PREPARED BY: CSD/
CFWC ON DRAFTING

ISSUE NO:
ONE

REPLACEMENT FOR:

REF:

APPROVED BY:

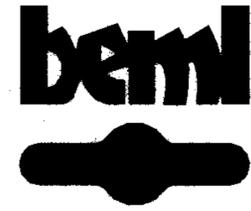
V.S. Bharedwaj
G

D(G)

D(P)

DS1019-C

COMPANY STANDARDS



PAGE NO. 2 OF 6

TITLE :

BEML LOGO

DATE : 2003-08-16

4. APPLICATIONS :

This Logo shall be printed, cast, embossed or indented, as specified in the drawing.

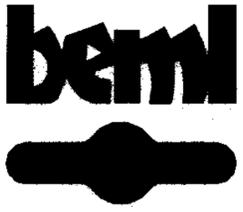
- 4.1 If the Logo is to be cast, embossed or indented, the specification / drawing shall indicate the depth or height as per the requirement.
- 4.2 For anodized plates, the BEML Logo shall have a satin silver finish against a black back-ground.

For printing, BEML Logo shall have any one of the following colours :

<u>COLOUR</u>	<u>IS REFERENCE</u>
BLACK	---
ALUMINIUM WHITE	---
GULF RED	Shade 473 of IS: 5
NAVY BLUE	Shade 106 of IS: 5

The back ground colour shall be the same as the colour of material on which it is printed. (In other words, no intermediate colour shall be used other than the Logo's colour and the background colour).

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COMPANY STANDARDS

DS1019-C

TITLE :

BEML LOGO

PAGE NO. 3 OF 6

DATE : 2003-08-16

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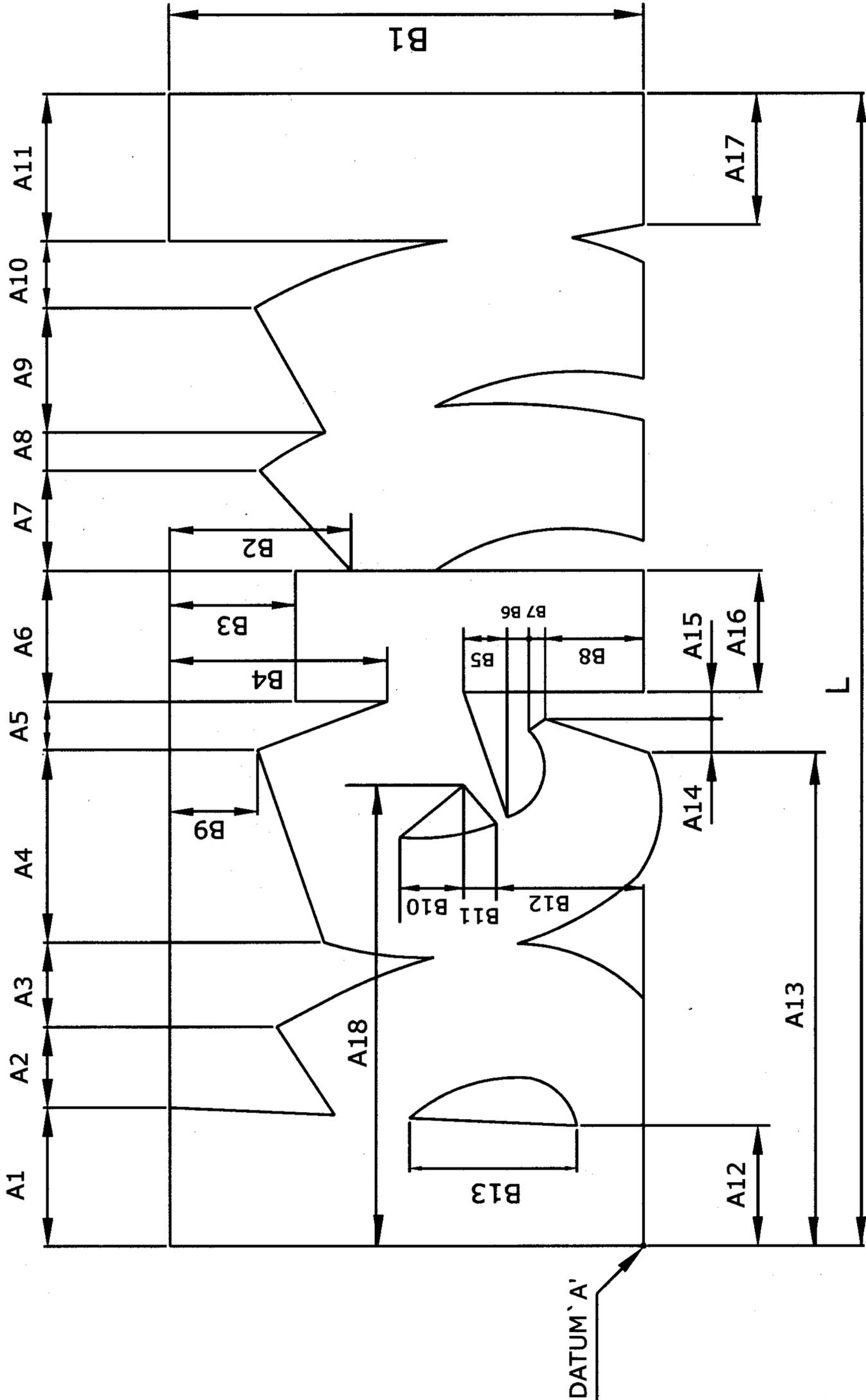


FIGURE-2a

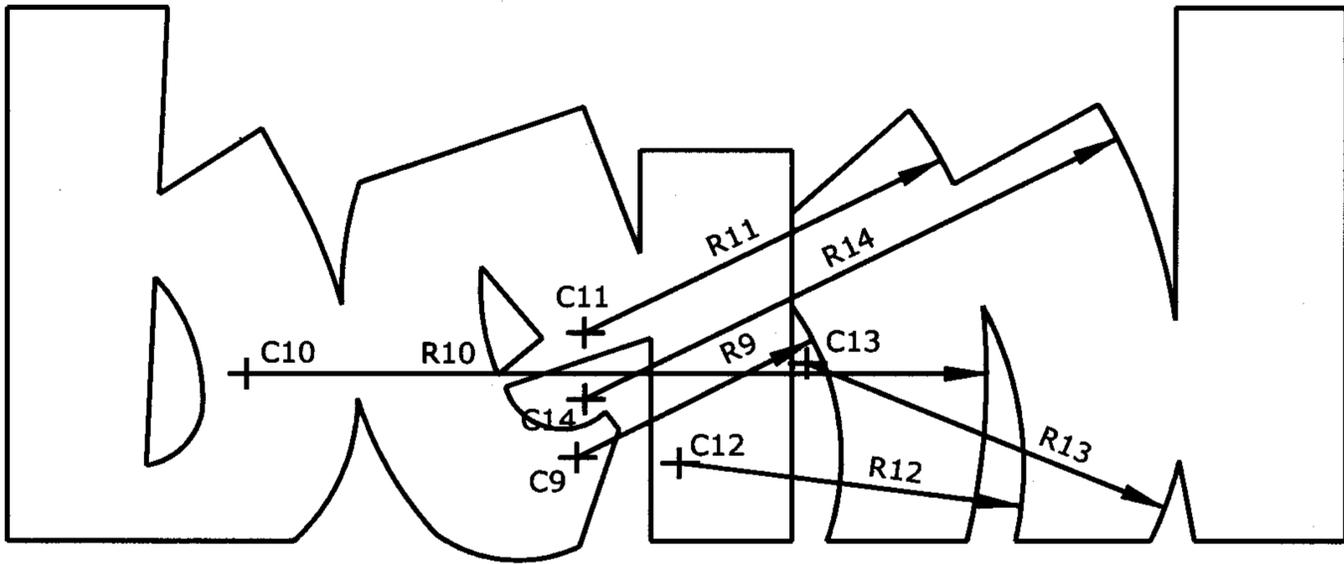
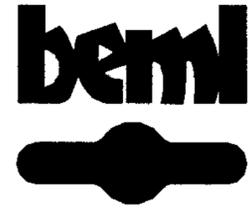


FIGURE-2b

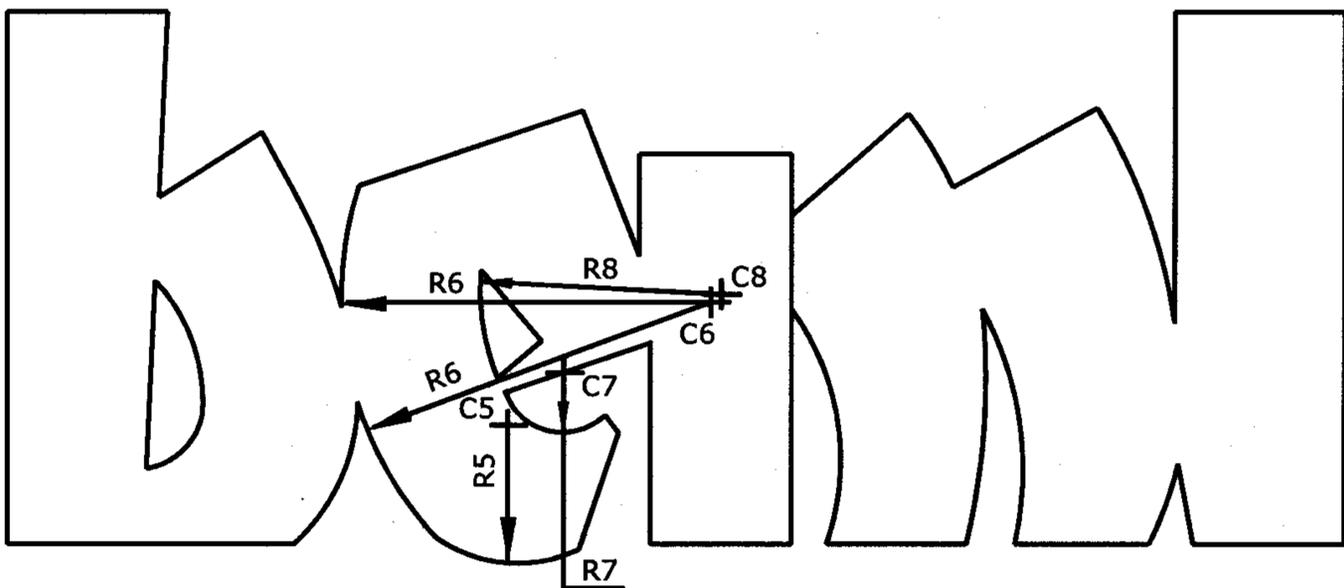


FIGURE-2c

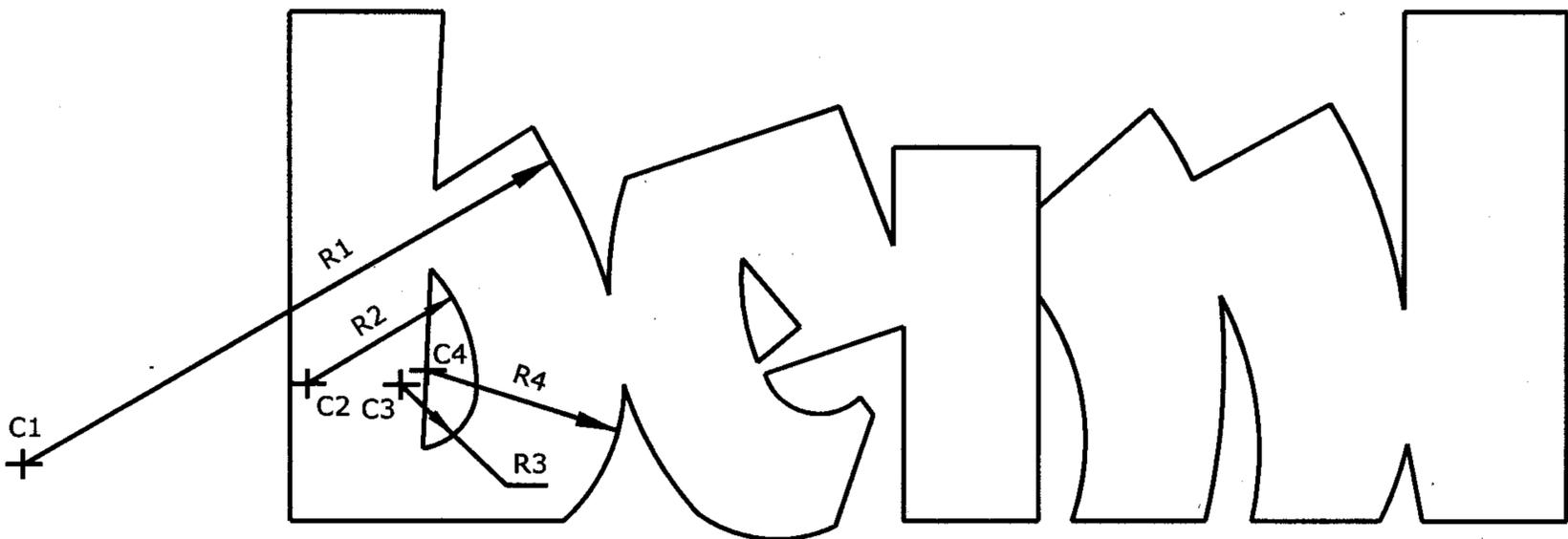
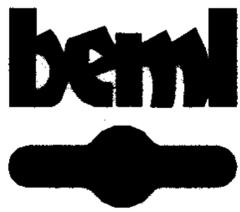


FIGURE-2d

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COMPANY STANDARDS

DS1019-C

TITLE :

BEML LOGO

PAGE NO. 5 OF 6

DATE : 2003-08-16

TABLE-1A (Reference : Figure-2a)

Unit : mm

L	10	15	25	50	75	100	150	200	212*	250	300	500	750	1000	1350
A1	1.2	1.8	3	6	9	12	18	24	25.5	30	36	60	90	120	162
A2	0.7	1.1	1.8	3.5	5.3	7	10.5	14	15	17.5	21	35	53	70	94.5
A3	0.7	1.1	1.8	3.7	5.5	7.3	11	14.6	15.5	18.2	22	36.5	55	73	99
A4	1.7	2.6	4.4	8.7	13.1	17.4	25.1	34.8	37	43.5	50.2	87	131	174	225.9
A5	0.4	0.6	1.1	2.1	3.2	4.2	6.3	8.4	9.0	10.5	12.6	21	32	42	56.7
A6	1.1	1.7	2.8	5.7	8.5	11.3	17	22.6	24	28.2	34	56.5	85	113	153
A7	0.9	1.4	2.4	4.7	7.1	9.4	13.1	18.8	20	23.5	26.2	47	71	94	117.9
A8	0.3	0.5	0.8	1.7	2.5	3.3	5.0	6.6	7.0	8.2	10	16.5	25	33	45
A9	1.1	1.6	2.7	5.4	8.1	10.8	16.2	21.6	23	27	32.4	54	81	108	145.8
A10	0.4	0.6	1.1	2.1	3.2	4.2	6.3	8.4	9	10.5	12.6	21	32	42	78.3
A11	1.3	1.9	3.2	6.4	15.5	12.7	19.1	25.4	27	31.8	38.2	63.5	95.5	127	171.9
A12	1.0	1.5	2.6	5.1	7.7	10.3	15.2	20.6	22	25.3	30.4	50.5	77	101	136.8
A13	4.3	6.4	10.7	21.5	32.2	42.9	64.4	85.8	91	107	128.8	214	322	428	577.8
A14	0.3	0.4	0.7	1.4	2.1	2.8	4.2	5.6	6	7	8.4	14	21	28	39.6
A15	0.2	0.3	0.6	1.2	1.7	2.3	3.5	4.6	5	5.7	7	11.5	17	23	31.5
A16	1.1	1.7	2.8	5.5	8.3	11	16.5	22	23.5	27.5	33	55	83	110	142.2
A17	1.1	1.7	2.8	5.7	8.5	11.3	17	22.6	24	28.2	34	56.5	85	113	153
A18	4	6	10	20	30	40	60	80	85	100.2	120	200.5	300	401	540

A1, A2, A3 etc. are horizontal coordinates.

TABLE-1B (Reference : Figure-2a)

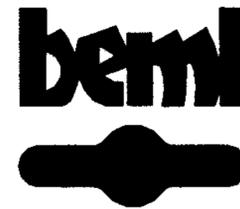
Unit : mm

L	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13
10	4.1	1.6	1.1	1.9	0.4	0.2	0.1	0.8	0.7	0.5	0.3	1.3	1.4
15	6.1	2.3	1.6	2.8	0.6	0.3	0.2	1.3	1.1	0.8	0.4	1.9	2.1
25	10.1	3.9	2.7	4.7	0.9	0.5	0.4	2.1	1.9	1.4	0.8	3.2	3.4
50	20.3	7.8	5.4	9.3	1.9	0.9	0.7	4.2	3.8	2.7	1.4	6.3	6.8
75	30.4	11.6	8.1	14	2.8	1.4	1.1	6.4	5.7	4.1	2.1	9.5	10.3
100	40.5	15.5	10.8	18.6	3.7	1.9	1.4	8.4	7.5	5.4	2.8	12.7	13.7
150	60.8	23.3	16.2	27.9	5.6	2.8	2.1	12.7	11.3	8.1	4.2	19	20.5
200	81	31	21.6	37.2	7.4	3.8	2.8	17	15.1	10.8	5.7	25.3	27.3
212*	86	33	23	39.5	8	4	3	18	16	11.5	6	34.5	29
250	101.3	38.8	27	46.5	9.3	4.7	3.5	21.2	18.9	13.6	7.1	40.7	34.2
300	121.6	46.6	32.4	55.8	11.2	5.6	4.2	25.4	22.6	16.2	8.4	52	41
500	202.5	77.5	54	93	18.5	9.4	7.1	42.5	37.7	27.1	14.2	63.4	68.4
750	303.9	116.4	81	139.5	27.9	14.1	10.5	63.6	56.7	40.8	21.3	84.9	102.6
1000	405	155	108	186	37	18.6	14.2	85	75.4	54.2	28.4	126.8	136.8
1350	547.2	209.7	145.8	251.1	50.4	25.2	18.9	114.3	101.7	72.9	37.8	171	184.7

B1, B2, B3 etc. are vertical coordinates.

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DS1019-C

COMPANY STANDARDS

PAGE NO. 6 OF 6

TITLE :

BEML LOGO

DATE : 2003-08-16

TABLE-1C (Reference : Figures-2b, 2c and 2d)

Unit : mm

L		10	15	25	50	75	100	150	200	212*	250	300	500	750	1000	1350
RADIUS																
C1	X1	-1.9	-2.8	-4.7	-9.3	-14	-18.6	-28	-37.2	-39.5	-46.6	-56	-93.2	-139.8	-186.4	-249.5
	Y1	0.5	0.8	1.4	2.7	4.1	5.4	8.1	10.8	11.5	13.6	16.2	27.1	40.8	54.2	72.9
C2	X2	0.1	0.1	0.2	0.5	0.7	0.9	1.4	1.8	2	2.4	2.8	4.7	7.2	9.4	12.1
	Y2	1.1	1.6	2.7	5.4	8.1	10.8	16.3	21.7	23	27.1	32.6	47.1	81.3	94.2	149.2
C3	X3	0.9	1.4	2.4	4.7	7.1	9.4	14.2	18.9	20	23.6	28.4	47.2	70.8	94.4	127.8
	Y3	1.1	1.6	2.7	5.4	8.1	10.8	16.3	21.7	23	27.1	32.6	54.2	81.3	108.4	146.7
C4	X4	1.1	1.7	2.8	5.7	8.5	11.3	17	22.6	24	28.3	34	56.6	84.9	113.2	153
	Y4	1.1	1.6	2.8	5.7	8.5	11.3	16.4	22.6	24	28.3	32.8	56.6	84.9	113.2	147.6
C5	X5	3.8	5.7	9.6	19.1	28.7	38.2	57.3	76.4	81	95.5	114.6	191	286.5	382	515.7
	Y5	0.9	1.3	2.2	4.5	6.7	9	13.4	17.9	19	22.4	26.8	44.8	67.2	89.6	120.6
C6	X6	5.2	7.9	13.1	26.2	39.3	52.3	78.5	104.7	111	130.9	157	261.8	392.7	523.6	706.5
	Y6	1.9	2.8	4.7	9.4	14.2	18.9	28.3	37.7	40	47.2	56.6	94.3	141.6	188.6	254.7
C7	X7	4.2	6.2	10.4	20.8	31.1	41.5	62.3	83	88	103.8	124.6	207.5	311.4	415	560.7
	Y7	1.3	1.9	3.2	6.5	9.7	13	19.5	25.9	27.5	32.4	39	64.9	97.2	129.8	175.5
C8	X8	5.3	8	13.3	26.7	40	53.3	80	106.6	113	133.3	160	266.5	399.9	533	720
	Y8	1.9	2.9	4.8	9.7	14.5	19.3	29	38.7	41	48.3	58	96.7	144.9	193.4	261
C9	X9	4.2	6.4	10.6	22.2	31.8	42.5	63.7	84.9	90	106.1	127.4	222.2	318.3	444.4	573.3
	Y9	0.6	1	1.6	3.3	4.8	6.4	9.6	12.7	13.5	16.4	19.2	32.8	49.2	65.6	86.4
C10	X10	1.8	2.8	4.6	9.2	13.8	18.4	27.6	36.8	39	46	55.2	92	138	184	248.4
	Y10	1.3	1.9	3.1	6.3	9.4	12.5	18.8	25	26.5	31.3	37.6	62.5	93.9	125	169.2
C11	X11	4.4	6.5	10.9	21.9	32.7	43.6	65.4	87.3	92.5	109.1	130.8	218.2	327.3	436.4	588.6
	Y11	1.5	2.2	3.7	7.4	11.1	14.9	22.3	29.7	31.5	37.1	44.6	74.3	111.3	148.6	200.7
C12	X12	5	7.5	12.5	25	37.5	50	75	100	106	125	150	250	375	500	675
	Y12	0.6	0.9	1.4	2.8	4.2	5.7	8.5	11.3	12	14.2	17	28.3	42.6	56.6	76.5
C13	X13	6	9.1	15.1	30.2	45.3	60.4	90.6	120.8	128	150.9	181.2	301.9	452.7	603.8	815.4
	Y13	1.2	1.8	3.1	6.1	9.2	12	18.3	24.3	26	30.7	36.6	61.3	92.1	122.6	164.7
C14	X14	4.3	6.5	10.8	21.6	32.4	43.2	64.7	86.3	91.5	107.9	129.4	215.8	323.7	431.6	582.3
	Y14	1	1.6	2.6	5.2	7.8	10.4	15.6	20.8	22	25.9	31.2	51.9	77.7	103.8	140.4

Note : X1, X2, X3.... And Y1, Y2, Y3.... Are the horizontal and vertical co-ordinates of the centers C1, C2, C3 From the datum point 'A'.

TABLE-1D (Reference : Figures-2b, 2c and 2d).

Unit : mm

L		10	15	25	50	75	100	150	200	212*	250	300	500	750	1000	1350
RADIUS FROM CENTER																
R1 (C1)		4.6	6.8	11.4	22.8	34.1	45.5	68.2	91	96.5	113.8	136.4	227.6	341.4	455.2	613.8
R2 (C2)		1.4	2.1	3.4	6.8	10.3	13.7	20.5	27.4	29	34.2	41	68.4	102.6	136.8	184.5
R3 (C3)		0.5	0.8	1.3	2.6	3.9	5.2	7.8	10.4	11	13	15.6	25.9	39	51.8	70.2
R4 (C4)		1.5	2.2	3.7	7.4	11.1	14.9	22.3	29.7	31.5	37.1	44.6	74.3	111.3	148.6	200.7
R5 (C5)		1	1.6	2.6	5.2	7.8	10.4	15.6	20.8	22	25.9	31.2	51.9	77.7	103.8	140.4
R6 (C6)		2.7	4.1	6.8	13.7	20.5	27.3	41	54.7	58	68.4	82	136.8	205.2	273.6	369
R7 (C7)		0.5	0.7	1.1	2.2	3.4	4.5	6.7	9	9.5	11.2	13.4	22.4	33.6	44.8	60.3
R8 (C8)		1.8	2.7	4.5	9	13.4	17.9	26.9	35.9	38	44.8	53.8	89.6	134.4	179.2	242.1
R9 (C9)		2	3	5	10	14.9	19.8	29.7	39.6	42	49.5	59.4	99	148.5	198	267.3
R10 (C10)		5.5	8.2	13.7	27.4	41	54.7	82.1	109.4	116	136.8	164.2	273.6	410.4	547.2	738.9
R11 (C11)		3	4.5	7.4	14.9	22.3	29.7	44.6	59.4	63	74.3	89.2	148.6	222.9	297.2	401.4
R12 (C12)		2.6	3.9	6.5	13	19.5	25.9	38.9	51.9	55	64.9	77.8	129.7	194.7	259.4	350.1
R13 (C13)		2.8	4.2	7	13.9	20.9	27.8	41.7	55.7	59	69.6	83.4	139.2	208.8	278.4	375.3
R14 (C14)		4.5	6.7	11.1	22.3	33.4	44.6	66.9	89.2	94.5	111.4	133.8	222.9	334.2	445.8	602.1

Note : L – Logo Nominal length.

* The dimensions are that of the original design of BEML Logo from M/s National Institute of Design, Ahmedabad.

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