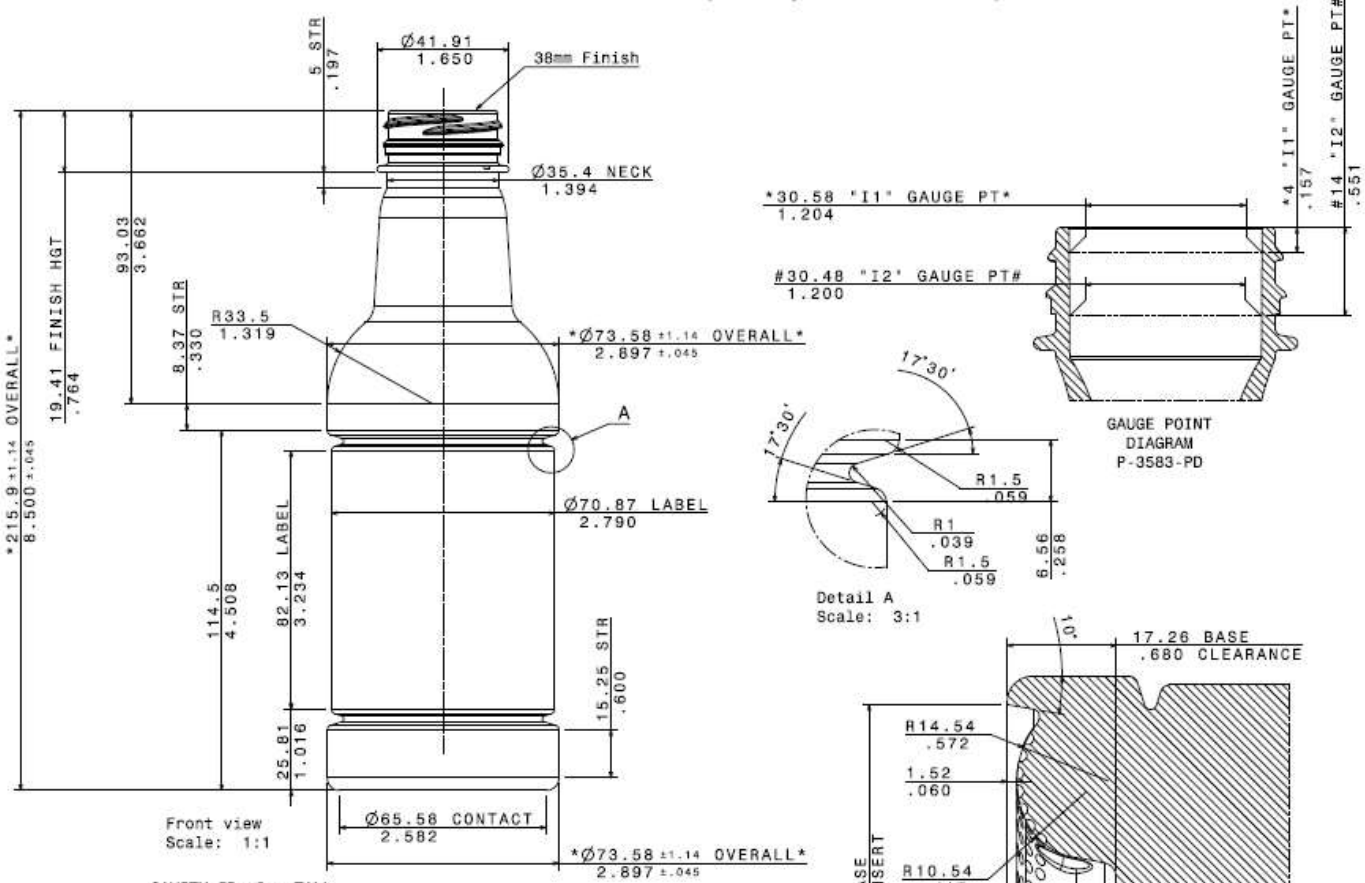
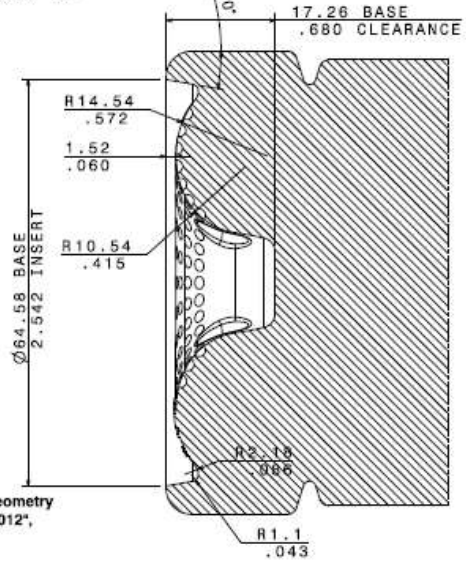
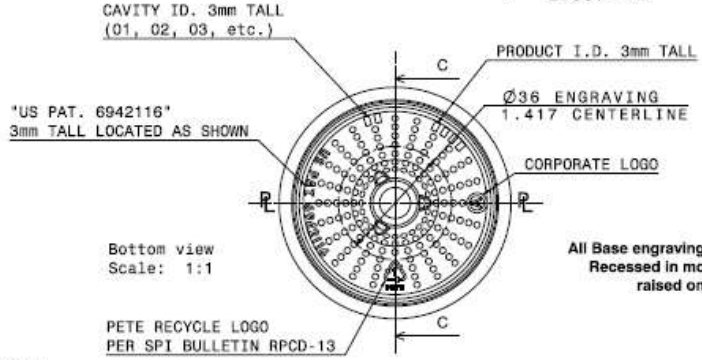
©AS OF DATE BELOW

Features or charateristics of hot fillable PET beverage containers may be protected by one or more of these U.S. patents: 4, 418, 882 4, 493, 566 D-300, 805 4, 497, 855 4, 493, 567 D-313, 750 4, 850, 493 5, 005, 716







All Base engraving per CAD Geometry Recessed in mold 0.3mm / .012", raised on container

BASE CROSS-SECTION DETAIL
Scale: 2:1

Rev	Description	By	Date	ECR
A	Original Release	RJS	08AUG08	416420437101-001
B	REPLACED GEOMETRY WITH C-4975-ES1-B	JMS	19NOV09	416420437101-048

Notes:
1. Dimensions are nominal in millimeters/inches.
2. The "As Delivered" specifications apply to containers at the time of delivery to the customer. This assumes that the bottles have been produced, stored, and transported in accordance with agreed Good Manufacturing Practices as defined in SOP-008 and associated standards.
3. The dimensional tolerances to be applied to all height dimensions are the same as the tolerance applied to the Overall Height of the container.
4. The dimensional tolerances to be applied to all diameter, width and thickness dimensions are the same as the tolerance applied to the major diameter or width of the container.
5. Overflow is based on the target capacity of water at its density when heated to 85°C / 185°F, incorporating headspace, tolerances, and expected water loss over shelf life.
6. Minimum fill level: Bottom of support Range.
7. Recommended fill temperature: 85°C / 185°F.
8. The weight shown in the drawing is based on the design weight of the preferred preform. Actual weights may vary if other suitable preforms are used.
9. Tolerances dimensions marked with "*" are used in ongoing manufacturing control and those marked with "#" are used only for initial qualification

Capacity Specification

Overflow Capacity	620 ± 13 ml

or Capacity Tolerances

Fresh	Individual	Average
Fill Point Capacity		
Overflow Capacity		
Aged	**Individual**	**Average**
Fill Point Capacity		
Overflow Capacity		
As Delivered	**Individual**	**Average**
Fill Point Capacity		
Overflow Capacity		

Additional Information

Projected Area @ P/L:	Min.Half Length:	Max. Half Length:
sq.cm	mm	mm

Volume & Weight Information

Calculated Overflow Capacity:		Calculated Fill Line Capacity:
619.8 ml		ml
Total Mat'l Vol.:	Material:	Total Container Weight:
29.11 cc	PET	40.0 gm
Mat'l Vol in Cont Body:	As Blown Density:	Container Body Weight:
23.27 cc	1.371 gm/cc	31.9 gm
Mat'l Vol.in Finish:	Finish Density:	Finish Weight:
5.84 cc	1.335 gm/cc	7.8 gm
Mat'l Vol in Preform Body:	Amorphous Density:	Preform Body Weight:
cc	gm/cc	gm
Surface Area Below Neck Finish:		Avg. Wall Thickness:
481.54 sq.cm		.019"/0.48 mm

Drawing Information

Preform Drawing:	Finish Drawing:	Reference Drawing:
P-3583-PD	F-3220-PD	C-4975-ES1-B
Date:	Drawn By:	Customer:
08AUG08	RJS	

Title: 20oz Longneck POWERFLEX

Drawing Type: PRODUCT DRAWING

Drawing Number: C C-4975-PD Rev. B

CONFIDENTIAL
3D CAD IS THE MASTER MODEL FOR THIS PRODUCT
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