Truncone (Truncated cone) calculator rev A, 11-23-12 PRSDescription: 25J bell-ring flareSmall end diameter (D1)7.5Large end diameter (D2)8.75Diagonal side dimension (L)8.522947(between edges of D1 & D2)8.75	Enter values into 3 or 4 yellow fields Disregard F6 value if D6 field is empty/unused NOTE: If only the height of the truncated cone is known, enter that number here (in D6) to calculate 'L' (enter D1 & D2 first) 8.5 gives L > 8.522947 enter this value in L (B6)
Intermediate calculated values:Radius of small end (R1)3.75Radius of large end (R2)4.375Numbers in beige are decimal portion in 16ths of inclRadius of small drawn circle (RA)51.13768Radius of large drawn circle (RB)59.66063	2 11
Degrees of drawn circle to cut out (e')26.39932Horizontal dimension of material (X)27.24642Vertical dimension of material (Y)9.873991Use results in blue for pattern layout (below)	Angle e' converted to radians 0.460755 90 degees converted to radians 1.570796 4 14
NOTE: RADIUS RE INCLUDES LENGTH OF RADIUS	RA Y NOTE: Both RA & RB are measured from the same center point; RB is NOT measured starting from arc of RA
NOTE: EXAMPLE OF LAYOUT WHERE & IS MORE THAN X RB SEAM RB SEAM RB SEAM RA SEAM S	180 DEGREES NOTE: X & Y dimensions are approximate when e' is greater than 180 degrees (see note below) on determines the material width at the and the 'Y' calculation similarly determines

a material height without the points extending below the center of the RA & RB arc.