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**NOTES UNLESS OTHERWISE SPECIFIED**

- PARENT MATERIAL: 316 STAINLESS STEEL, 11 GAUGE (0.120" THICK)
- PART IS SEAMLESS, FORMED FROM SHEET METAL WITHOUT WELDS.
- FINISH: NO METAL FINISHING REQUIRED. THE FINAL FINISH SHALL BE THE RESULT OF THE PROCESSES USED TO FABRICATE THE SHAPE, RESULTING IN AN ESTIMATED SURFACE ROUGHNESS OF 80 Ra.
- ESTIMATED INTERNAL VOLUME: 50.43 GALLONS. (11650.47 INCH<sup>3</sup>).

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE FOR MANUFACTURING	DEC2002	J.KNAPP
A	Updated sheet format, updated geometry to match the current 304SS iteration.	MAR2019	R.DAVIS

Top view of the hopper showing a circular shape with a vertical centerline and a horizontal diameter line. A section line A-A is indicated with arrows pointing to the left. A dimension line indicates a hole with diameter  $\varnothing .50$  THRU.

Section A-A of the hopper showing a conical shape with a straight wall. The top edge has a radius of R.25 INSIDE. The wall thickness is (.060). The bottom edge has a diameter of  $\varnothing 1.60 \pm .25$  FLAT. The total height of the hopper is  $30.90 \pm .25$ . The straight wall height is (.92) STR WALL. The internal diameter at the top is  $\varnothing 36.06 \pm .06$  ID. The angle of the cone is 60°.

3D perspective view of the hopper, showing its conical shape and straight wall.

SCALE 1 : 20

UNLESS OTHERWISE SPECIFIED:  
 1. DO NOT SCALE DRAWING  
 2. DIMENSIONS ARE IN INCHES  
 3. TOLERANCE:  
 FRACTIONAL  $\pm .25$   
 X.X  $\pm .1$   
 X.XX  $\pm .03$   
 X.XXX  $\pm .010$   
 ANGULAR:  $\pm 2$  DEG.  
 4. INTERPRET DRAWING PER ASME-Y14.5M-1994 STANDARDS  
 5. THIRD ANGLE PROJECTION  
 6. REMOVE BURRS & BREAK ALL SHARP EDGES WITH R0.03  $\pm .02$

	NAME	DATE
DRAWN	R.DAVIS	MAR2019
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

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**TOLEDO METAL SPINNING COMPANY**  
 EST. 1929

TITLE:  
 36" HOPPER WITH 1" STRAIGHT WALL

SIZE	DRAWING NUMBER	REV
A	TMS36111-316SS	A

SCALE: 1:10    WEIGHT: 37.91    SHEET 1 OF 1