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**NOTES UNLESS OTHERWISE SPECIFIED**

- PARENT MATERIAL: 316 STAINLESS STEEL, 14 GAUGE (0.075" THICK)
- 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 R<sub>a</sub>.
- ESTIMATED INTERNAL VOLUME: 7.35 GALLONS. (1696.9 INCH<sup>3</sup>)

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE FOR MANUFACTURING	08APR2016	R.DAVIS

Top view of the hopper showing concentric circles representing the flange and the hopper body. A vertical dashed line indicates the centerline, and a horizontal dashed line indicates the diameter. Section lines A-A are shown on the left and right sides.

Ø 17.26 Flange OD

Section A-A of the hopper. It shows a vertical straight wall of height 16.25 ± .25 inches and a diameter of Ø 16.00 ID. The wall thickness is .074 inches. The top edge has a .067 inch chamfer with an R.20 inside radius. The bottom edge has a 60.0 degree chamfer with a .037 inch thickness. The bottom edge is (2.76) STRAIGHT WALL. The bottom edge has an R3.00 inside radius.

Detail B of the hopper showing a cross-section of the bottom edge. It is a semi-circular shape with a flat bottom. The diameter is Ø 1.68 ± .10 and the bottom is FLAT.

DETAIL B  
SCALE 1 : 2

SECTION A-A

Isometric view of the hopper, showing its conical shape and the straight wall at the bottom.

ISOMETRIC VIEW  
SCALE 1 : 12

UNLESS OTHERWISE SPECIFIED:  
1. DO NOT SCALE DRAWING  
2. DIMENSIONS ARE IN INCHES  
3. TOLERANCE:  
FRACTIONAL ± .25  
X.X ±.1  
X.XX ±.03  
X.XXX ±.010  
ANGULAR: ±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 ±.02

	NAME	DATE
DRAWN	R.DAVIS	08APR2016
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

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**TOLEDO METAL SPINNING COMPANY**  
EST. 1929

TITLE:  
16" HOPPER WITH 3" STRAIGHT WALL

SIZE	DRAWING NUMBER	REV
A	TMS16314-316SS	A
SCALE: 1:6		WEIGHT: 8.54
SHEET 1 OF 1		