

Using the Tolerance Override Symbol

In every APS format, there is a cell in the main table that displays the standard tolerances for dimensions shown in the drawing. This cell can be found in the bottom left of the title block.

Policy dictates that we do *not* change the decimal tolerances within the title block. The surface finish and the angular tolerance are editable in the main table itself, but the decimals have to be *noticeably* changed if the design calls for the standard tolerances (.1, .03, and .005") to be altered. It's a matter of visibility. When we left the main table tolerances editable, no one noticed if they were off-standard.

ITEM	DRAWING / PART NUMBER	REV	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC.	QTY
PARTS LIST / BILL OF MATERIALS					
REMOVE ALL BURRS AND BREAK SHARP EDGES: .05" MAX. SURFACE TEXTURE IN ACCORDANCE WITH LATEST ASME B46.1-2000 DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH LATEST ASME Y14.5M-1994 ELECTRONIC FILE NAME: A5079100 MODEL NAME: 4105090501-262810		DATE: 05-Mar-13 CHECKER: K. THOMPSON DATE: 05-Mar-13 DESIGNER: D. BOUGHTON RESPONSIBLE ENGINEER: C. BENSON PROJECT LEADER/PROJECT LEADER/LEW: B. RUSTHOVEN APPROVER: B. RUSTHOVEN RELEASE LEVEL: WIP	DATE: 05-Mar-13 DATE: DATE: DATE: MODEL VER: 6 DRWG VER: 9	THIS DRAWING IS THE PROPERTY OF Argonne NATIONAL LABORATORY ADVANCED PHOTON SOURCE EXPERIMENTAL FACILITIES TECHNICAL COMPONENTS XOR/SRI-CAT BEAMLINES STANDARD COMPONENTS T1 FRONT-END SUPPORT TABLES TITLE: FRAME, MACHINED WELDMENT SIZE: D DRAWING NUMBER: 4105090501-920310 SYM. DES. REV. 00 SCALE: 1:8 FROM NO. 0-115 DO NOT SCALE DRAWING SHEET 1 OF 1	
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS: .1 .03 .005 ANGULAR: ±.01° SURFACE ROUGHNESS: 125 ✓					

This table cell contains a symbol (like the IAM logo cell). As such, it may be a little difficult at first to get to the symbol window for editing the symbol's display.

Procedure:

- In the drawing, click on either the *Table* tab or the *Annotate* tab
 - either one works
- click on the cell with tolerance designations
 - may be hard to see, but the *cell* should outline in red
- then click twice in rapid succession on the text within the cell
 - OR if you prefer, select the text so that it's red, then right-click and choose *properties*
 - if you get a *Note Properties* window, you're editing the cell itself and you need to cancel out of that window



