## 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 <u>not</u> 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

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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.

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:

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

     Text Text Style

     (0:ftsym(tol\_override\_cell))

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     Editor...

     Text Symbol...

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- 4. If you did it right, you'll end up in a *Custom Drawing Symbol* window
  - a. This symbol comes with tabs:
    - i. the *General* tab to show you what symbol you're editing (you don't really change anything here)
    - ii. the *Grouping* tab to make choices about unit and whether or not to override the standard tolerances
    - iii. the Variable Text tab to actually change the default tolerances
- General Grouping Variable Text Definition Symbol name TOL\_OVERRIDE\_CELL On Entity Type Heigh Defa Angle 0.000000 Colo Cancel

Preview

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Cancel

- 5. Click on the *Grouping* tab
  - a. If you do not wish to override the default tolerances, you choose from the top two choices
  - b. If you need to change the default tolerances, choose the system of units under the **OVERRIDE** section
- 6. Click on the Variable Text tab
  - a. This is where you can type in what tolerances you wanted
  - b. When using one of the upper (non-overriding) choices on the *Grouping* tab, you'll only get to alter the angular tolerance and the surface finish on this tab
  - c. If you chose to override the Move default tolerances, you'll see all five: angular tolerance and the surface finish as well as the three decimal tolerances
- 7. Once you have it set the way you want it, click OK



OK

Cancel

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Move

OK

Custom Drawing Symbol

General Grouping Variable Text

TOL\_OVERRIDE\_CELL

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