



Expectations for drawings submitted for manufacture.

In order to receive your parts in a timely manner and meeting your design requirements here are some guidelines.

1. Drawings need to be done on A size ANSI format. If drawings are done on B, C, D, or E size, printed drawings will need to be supplied.
 2. All notes and writing will be in English.
 3. All dimensions need to be in inches.
 4. Title blocks need to be completely filled out.
 5. ANSI standards are recommended.
 6. Decimal tolerances are as follows $X.=1/16''$, $X.X=.03''$, $X.XX=.010''$, $X.XXX=.005''$ and $X.XXXX=.0005''$.
- Where possible nominal inch size material should be used. For example, a 20mm thick piece of material is $.787''$ thick. Which means a piece of $7/8''$ ($.875''$) is needed then it must be machined down to $.787''$ incurring excess time and expense. Specifying $.750''$ material, when possible, saves time and money.
 - The same logic applies to features to be machined. If special sizes (i.e. metric) are needed on parts, the cost of tooling to machine those features will need to be added to the project.
 - When designing projects, all aspects required for manufacture need to be considered. These include things such as cutters and tooling along with the type, size and quantity of fasteners needed to complete the project. It is recommended that a bill of materials for the project be submitted with the tech request.