**2D CAD File Checklist**

**Engineering Drawings (General):**

1. All drawing files to open without any dimension errors, such as unable to find geometry for the dimension or dimensions outside of the border of the sheet, etc.
2. Print must match ASME Y14.5 with one isometric view displayed on each print.
3. Tolerance to be displayed on dimensions only when different from the title block tolerance.
4. Revision in title block up to date
5. ECO block up to date
6. Detail views used for small features
7. Overall dimensions provided
8. Leader notes balloons should match note block
9. Mounting hole patterns identified and dimensioned
10. White space on page is acceptable (see reference drawings)
11. Dimensions are clear and organized, no more than 12 dimensions per view.
12. Dimensions on each view are organized by common features.
13. BOM (Bill of Materials) to be provided for the product
14. Metadata/properties are correct and accurate.
15. Titleblock fields remain linked to metadata/properties.

**Engineering Drawings (Injection Molding/Die Casting):**

1. A-side and B-side of part defined on print.
2. Nominal wall thickness to be called out somewhere on these types of part prints.
3. Print should have overall length, width, height and depth dimensions when applicable at minimum. (This is for part recognition in inspection)
4. If part has mounting/alignment holes they should be dimensioned.
5. Any important geometry on the part should be inspection dimensioned.
6. Critical assembly features should be inspection dimensioned.
7. Ergonomic features to be dimensioned when necessary.
8. Any features an overmold shuts off on to be dimensioned.
9. All part geometry to be dimensioned to the center of the tolerance scale.
10. Gate location called out on print (if known)

**Engineering Drawings (LDD-Limited Dimension Drawing):**

1. A-side and B-side of part defined on print.
2. Nominal wall thickness to be called out somewhere on these types of part prints.
3. Print should have overall length, width, height and depth dimensions when applicable at minimum. (This is for part recognition in inspection)