### Analytical Rubric
For assignment DT-131-18 (threaded callouts)

**Critical Thinking** outcome being worked on

- 2.1 Apply rules (standards) based specific rules and industry standards
- 2.2 Correct missing or wrong information based on accepted industry standards.

Assignment is broken into 3 specific categories that must be graded. The most important of the three is using the correct information. The second is placing the information in the correct format. Third category here is a consistency between problems. All call outs should look very similar, unless you intend for it to stand out as different.

<table>
<thead>
<tr>
<th>Industry Standard</th>
<th>Designer level Mastery</th>
<th>Drafting level Acceptable</th>
<th>Class level Unacceptable</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Information CT - 2.2</strong></td>
<td>Information is correct and is verified against industry table. Classifications and gender added correctly</td>
<td>Information given is repeated properly, but some mistakes between thread pitch and form. Forgetting to add class and/or gender of the thread.</td>
<td>Information not even repeated properly. No class, inconsistent forms, using forms not available</td>
</tr>
<tr>
<td><strong>Annotation CT – 2.1</strong></td>
<td>Major dia (dec/fract) Dash Pitch (TPI) Space Form (UN) Series (if applicable) Dash Class Gender (A/B) Space Any other qualifying info</td>
<td>Order of info is correct for major dia, pitch and form and appropriate series are listed. Dashes may be missing or spaces added or missing improperly.</td>
<td>Major dia, pitch, and form are present. Missing or improperly applied series used. Dashes may be missing or spaces added or missing improperly.</td>
</tr>
<tr>
<td><strong>Format between all callouts CT – 2.1</strong></td>
<td>Either 3 place decimals or fractions used consistently (no mix and match) Depth symbol applied or distance thread is cut is described with proper spaces</td>
<td>Three at most are not consistent with the rest of the page (decimal vs. fraction). Missing spaces when describing thread length, depth symbol properly used</td>
<td>More than four major dia, inconsistent. Using letters to describe depth. Missing or added spaces.</td>
</tr>
</tbody>
</table>
Holistic view
of final project. DT-131

Final assignment reviews all information learned in the program to date. Some
information in the assignment is wrong (drafting errors) and should be corrected as
needed. Information given is not truly complete or clear. Students are encouraged to go
beyond what they see to properly describe information shown.

Critical Thinking outcome being worked on
2.1 Apply rules (standards) based specific rules and industry standards. All rules
learned to this point in the program are open for grading
2.2 Correct missing or wrong information based on accepted industry standards,
learned in the program to date.
2.3 Defend changes to checker, when they deviate from the information as shown

Mastery level completion (exceptional level for Industry) 95-100%
⇒ Recreate geometry correctly (CT-2.1)
⇒ Add views to clarify information (CT-2.1, 2.2, 2.3)
⇒ Correct wrong information based on Fit Form and Function (CT-2.1, 2.2, 2.3)
⇒ Properly dimension part based on usability (CT-2.1, 2.2, 2.3)
⇒ Views and scales are all properly called out (CT-2.1)
⇒ Title block and line weights are all to class standards (CT-2.1)
⇒ Notes are all correct (CT-2.1, 2.2)

Competent Level completion (Acceptable level for Industry) 75-95%
⇒ Recreate Geometry correctly (CT-2.1)
⇒ Recreate views as shown (CT-2.1, 2.2)
⇒ Wrong information unchanged (CT-2.1)
⇒ All needed dimensions present, but not designed for Fit Form and Function
   (CT-2.1)
⇒ No more than three errors on views, titles and scales (CT-2.1)
⇒ Title block and line weights are all to class standards (CT-2.1)
⇒ No more than 5 errors in the notes (CT-2.1, 2.2)

Completed final assignment (Unacceptable level for Industry) 50-75%
⇒ Most Geometry correct (CT-2.1)
⇒ Not all views recreated (CT-2.1)
⇒ Wrong information unchanged (CT-2.1)
⇒ More than three errors on views, titles, and scales (CT-2.1)
⇒ Title block info and line weights are incorrect or inconsistent (CT-2.1)
⇒ Dimensioning is incomplete (CT-2.1)
⇒ More than 5 errors on the notes (CT-2.1)