

# DRAWING CHECKLIST READING GUIDE

“Engineering Drawing”, A. W. Boundy, McGraw Hill (8th Edition)

<b>Orthogonal Drawing:</b>	<b>Chapter</b>	<b>Page</b>
Is the drawing drawn in third angle projection?	6.2	p.146
Are the drawing views labelled appropriately (i.e. TOP VIEW, FRONT VIEW, etc?)	6.2	p.147
Are the drawing view names (i.e. FRONT VIEW, TOP VIEW etc) centred under the respective drawing view?	6.2	p.147
Are capital letters used for the drawing view names?	1.3	p.8
	1.4	p.9
Are centre lines and hidden lines shown in the drawing views?	6.3 10.1	p.150 p.280
Are there any redundant drawing views (i.e. do you have a view that provides no new information)?	6.2	p.148
Is there an isometric view of the product/component appropriately placed on the drawing?	8.3	p.214

<b>Title Block:</b>	<b>Chapter</b>	<b>Page</b>
Are all the sections of the Title Block completed?	9.1	p.244
Is the general tolerance specified?	4.1	76
Is an appropriate Australian Standard drawing scale used (i.e. 1:1, 1:2, 5:1, etc)?	1.6 9.1	p.10 p.244
Is the type of material the component is made from specified?	9.1	p.244
Is the surface finish for the material specified?	3.4	p.54
Is your <u>name and student number</u> indicated in the Drawn by section of the title block?	9.1	p.244
Is the date the drawing was completed indicated?	9.1	p.244
Is the name of the product/component specified?	9.1	p.244
Is the drawing sheet size specified (i.e. A4, A3, A2, etc)?	1.7 9.1	p.11 p.244
Are capital letters used to complete the various sections of the title block?	1.3	p.8

<b>Dimensioning:</b>	<b>Chapter</b>	<b>Page</b>
Is an appropriate dimensioning technique used (i.e. origin or Incremental dimensioning)?	2.1 4.1 6.3	p.20 p.78 p.151
Are there any redundant/repeat/double dimensions?	6.3	p.151
Are dimensions placed in ascending order (i.e. lowest to highest)?	2.1	p.23
Are threaded holes and shafts appropriately dimensioned?	2.3	p.34
Are counter bore and counter sunk holes appropriately dimensioned?	2.2	p.25-28
Are dimensions placed off the drawing views?	2.1	p.20
Are your dimensions easy to interpret (i.e. could someone else make your component if you gave them your drawing)?	6.3	p.151
<b>Tolerances:</b>	<b>Chapter</b>	<b>Page</b>
Are appropriate tolerances specified in the drawing?	4.1	p.66-78

<b>Section View:</b>	<b>Chapter</b>	<b>Page</b>
Is the Section view placed in accordance with third angle projection?	3.2	p.47
Have you specified where you sectioned the drawing with section arrows?	3.1	p.43
Are threads and shafts not sectioned?	3.1	p.43

<b>Assembly Drawings:</b>	<b>Chapter</b>	<b>Page</b>
For the Assembly drawing is a simplified Bill of Materials specified?	1.8 9.2	p.11 p.244
In the Assembly drawing, are the components appropriately labelled to relate back to the Bill of Materials?	9.2	p.244