

1. Title	Draw plumbing engineering drawings
2. Code	EMPDDE405A
3. Range	Use drawing symbols, formats and standards commonly used for plumbing to draw complex plumbing layout plans, vertical schematic diagrams and 3D drawings.
4. Level	4
5. Credits	4
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Know about all kinds of plumbing system installations</p> <ul style="list-style-type: none"> <li>◆ Know about the difference of various kinds of plumbing system installations in design and functions</li> <li>◆ Know about the planning of plumbing system installations in buildings</li> <li>◆ Know about the equipment related to plumbing system installations</li> </ul> <p>6.2 Draw line plans for all kinds of plumbing systems</p> <ul style="list-style-type: none"> <li>◆ Use basic line drawing techniques and symbols to draw line plans for all kinds of plumbing systems such as: <ul style="list-style-type: none"> <li>• Fresh water system</li> <li>• Flush water system</li> <li>• Drainage system</li> <li>• Storm-water drainage system</li> <li>• Hot water system</li> <li>• Swimming pool system</li> <li>• Fountain system</li> <li>• Underground drainage system</li> </ul> </li> </ul> <p>6.3 Professionalism in drawing plumbing systems</p> <ul style="list-style-type: none"> <li>◆ Draw approved drawings according to local and international standards</li> <li>◆ Use local and international standard symbols to illustrate system concepts</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to master the difference of various kinds of plumbing system installations in design and functions; and</p> <p>(ii) Capable to draw line plans for all kinds of plumbing systems according to standards and the code of practice.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses elementary knowledge of plumbing installations.