

**SKILLS FRAMEWORK FOR LANDSCAPE  
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE**

<b>TSC Category</b>	Design					
<b>TSC</b>	Technical Drawing					
<b>TSC Description</b>	Manage the composition of precise and detailed drawings that visually communicate how designs function, or are produced, to guide the construction					
<b>TSC Proficiency Description</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Level 4</b>	<b>Level 5</b>	<b>Level 6</b>
			<b>LNS-TDR-3005-1.1</b>	<b>LNS-TDR-4005-1.1</b>	<b>LNS-TDR-5005-1.1</b>	
			Utilise instruments and computer-aided design (CAD) systems to create precise drawings for development	Oversee the creation of detailed drawings and specifications to ensure precision and accuracy	Establish guidelines and standards for technical drawing, and initiate use of the latest instruments and systems to create precise and detailed drawings for development	
<b>Knowledge</b>			<ul style="list-style-type: none"> <li>• Symbols, standards and conventions used in technical drawings within one's field and region</li> <li>• Methods of technical drawing by instruments and computer-aided design (CAD) systems</li> <li>• Types of technical drawings</li> <li>• Fundamentals of drafting design documentation</li> <li>• Concepts of information technology (IT) to facilitate the usage of technical drawing software</li> </ul>	<ul style="list-style-type: none"> <li>• Symbols, standards and conventions used in technical drawings across various fields and regions</li> <li>• Methods of technical drawing by instruments and computer-aided design (CAD) systems</li> <li>• Types of technical drawings</li> <li>• Technical drawing standards</li> <li>• Fundamentals of drafting design documentation</li> <li>• Concepts of information technology (IT) to facilitate the usage of technical drawing software</li> </ul>	<ul style="list-style-type: none"> <li>• Latest and upcoming drawing instruments and equipment</li> <li>• Current and upcoming drafting methods and tools</li> <li>• Symbols, standards and conventions used in technical drawings across various fields and regions</li> <li>• Trends and industry developments for technical drawing standards, guidelines and techniques</li> <li>• Drafting of design documents</li> </ul>	
<b>Abilities</b>			<ul style="list-style-type: none"> <li>• Read and visualise technical drawings according to briefs</li> <li>• Produce two-dimensional (2D) and three-dimensional (3D) technical drawings based on input from stakeholders</li> <li>• Create part lists for new design to facilitate technical drawing</li> </ul>	<ul style="list-style-type: none"> <li>• Devise metrics and guidelines for the production of technical drawings</li> <li>• Formulate solutions for problems encountered during the development of technical drawings</li> <li>• Review technical drawings for accuracy and adherence to</li> </ul>	<ul style="list-style-type: none"> <li>• Drive the development of technical drawings for design projects and solutions to meet organisation's strategies</li> <li>• Establish goals and standards for technical drawings for the organisation</li> <li>• Guide the development of technical drawing activities to ensure they</li> </ul>	

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			<ul style="list-style-type: none"> <li>Oversee the development and construction of new designs' prototypes, in collaboration with organisation's production function</li> <li>Produce drawings and specifications, that conform to the requirements of relevant standards for submission</li> </ul>	<p>established specifications</p> <ul style="list-style-type: none"> <li>Analyse drawings to determine their construction needs to deliver upon design solutions</li> <li>Review technical drawings and/or changes to them, to ensure relevance to the organisation's strategies</li> <li>Review drawings and specifications to ensure conformance to requirements of relevant standards for submission</li> </ul>	<p>meet desired regulatory requirements</p> <ul style="list-style-type: none"> <li>Lead new developments in technical drawings and propose recommendations to influence continuous process and technological improvements</li> </ul>	
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