Plastics|SA

READ AND INTERPRET DRAWINGS

NQF LEVEL 4

SP0119/07–17

Duration:	2 days
Target:	Candidates competent in NQF Level 3
Prerequisite:	NQF Level 3
NQF Info:	NQF Level 4
Qualification:	Towards the Further Education and Training Certificate in Plastics Manufacturing / National Certificate in Polymer Composite Fabrication NQF Level 4
Credits:	12
Certification:	**mer**SETA-accredited Plastics|SA Certification

Unit Standard

- Read and interpret engineering drawings [9885] Credits 12 – FET Plastics Manufacturing
- Produce detailed engineering drawings (13298) Credits 6 – National Certificate Polymer Composite Fabrication

Objective of Learning Programme

To read, interpret and extract information from engineering drawings to produce products – FET Plastics Manufacturing
To produce detailed engineering drawings – National Certificate Polymer Composite Fabrication

Outcomes

At the end of the learning programme, learners will be able to

- Demonstrate an understanding of engineering drawings, sketches and material lists.
- Interpret engineering drawings, sketches and material lists.
- Transfer interpreted measurements and dimensions from drawings to work piece.

Contents

- Concepts of line structures, sectioning, dimensioning, scaling and perspective positioning are used.
- Concepts of orthographic and isometric views in drawing are explored.
- Use is made of the drawing numbering system.
- Manufactured work piece measurements and dimensions need to correspond to engineering drawings.
- Transfer interpreted measurements and dimensions from drawings to work piece.

Assessment and Certification

- Workplace Experience Assignments to be submitted within two weeks following training. A Plastics|SA Certificate of Competence is issued to successful candidates.
- Relevant credits may be awarded to successful learners upon **mer**SETA due approval process.