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| Title | **Plan work and calculate cost** | | |
| Level | **3** | **Credits** | **5** |

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| Purpose | This competency standard is intended for skilled people in paid employment. People holding credit for this competency standard are able to: Interpret drawings, sketches and specifications; produce drawings and sketches; calculate material and labour cost. |

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| Classification ISCED | 0732 Building and civil engineering |

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| Available grade | Competent / Not yet competent |

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| Modification history | N/A |

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| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
| **B1:**  **Interpret drawings, sketches and specifications** | **P1-** Identify and obtain safety and other regulatory requirements as per job requirement  **P2-** Interpret and confirm layout plan  **P3-** Identify distribution points | **K1-** Safety requirements; Specifications; Hazard identification  **K2-** Drawings and symbols specifications  **K3-** Drawings and symbols specifications |
| **B2:**  **Produce drawings and sketches** | **P1-** Produce basic technical drawing and sketch  **P2-** Dimension drawing and sketch correctly  **P3-** Scale drawing and sketch | **K1-** Drawings and symbols specifications  **K2-** Drawings and symbols specifications  **K3-** Drawings and symbols specifications |
| **B3:**  **Calculate material and labour cost** | **P1-** Identify location for installation  **P2-** Estimate material requirements derived from produced drawing or sketch  **P3-** Estimate labour cost for installation  **P4-** Produce estimate of overall cost | **K1-** Location requirements  **K2-** Estimation and calculation methods  **K3-** Estimation and calculation methods  **K4-** Estimation and calculation methods |