



Australian Government

Assessment Requirements for MEM09228

Detail ancillary steelwork

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSATCS504A Detail ancillary steelwork.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- complying with requirements prescribed by legislation, awards, agreements and conditions of employment
- researching and obtaining relevant Australian standards, codes and regulations
- assessing design information for adequacy of information needed for structural steel detailing
- liaising with architects and engineers
- assessing scope of structural steel detailing tasks and priorities
- interpreting design drawings, sketches and schedules to determine dimensions, layouts, types and grades of materials
- producing detail drawings of ancillary steelwork on at least two occasions
- producing erection drawings for ancillary steelwork on at least two occasions
- communicating at all levels about technical issues related to patterns and specifications.

Note: Where a volume and/or frequency is not specified, demonstration must be provided at least once.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures
- architectural and engineering design drawings including standard symbols, terms, abbreviations and sketches
- structural members used in steel construction
- ancillary steel work and structures
- difference between design and detail drawing processes
- drawing office procedures
- fabrication processes and procedures
- National Construction Code
- AS 1657, Fixed platforms, walkways, stairways and ladders – Design, construction and installation

- Australian steel structures limit state design code's (AS4 100, Steel structures) requirements in so far as they impact on steel detailing.

Assessment Conditions

- Assessors must:
 - have vocational competency in detailing ancillary steelwork at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the Standards for Registered Training Organisations 2015 or its replacement and comply with the National Vocational Education and Training Regulator Act 2011, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires.
- Where possible, assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions that cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required including relevant workplace procedures, product and manufacturing specifications.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>