

IRONWORKER

(Metal Building Systems Erector)

First-year Apprentice Learning Plan

Please indicate in the appropriate course column the skills to be focused on in this 125-hour course.
Feel free to add skills specific to your work site.

Trade Skills and Tasks	RAP 15 125 hrs	RAP 25A 250 hrs	RAP 25B 375 hrs	RAP 25C 500 hrs	RAP 35A 625 hrs	RAP 35B 750 hrs	RAP 35C 875 hrs	RAP 35D 1000 hrs
	RAP 4188	RAP 5188	RAP 5189	RAP 5190	RAP 6188	RAP 6189	RAP 6190	RAP 6191
Demonstrates basic calculation and measurement specific to trade (metric/imperial)								
Evaluates job sites for hazards, laydown area, crate setting, pre-fab site and obstructions								
Shoots elevations								
Lays out grid lines or checks existing grid lines for proper placement								
Coordinates delivery of materials as job progresses								
Develops and adjusts construction schedule								
Reads and interprets manufacturer's drawings and material lists								
Determines manpower requirements								
Plans tool and equipment lists for jobs								
Handles and stores equipment and materials at job site								
Selects correct fibre or wire rope and blocks according to job requirements								
Selects and installs correct cable clips with appropriate spacing								
Selects appropriate turnbuckles								
Fabricates and installs guy wires								
Prepares job site by planning laydown areas, storage areas, access, etc.								
Off-loads and inventories equipment, components and materials								
Pre-assembles components where possible								
Hooks onto structural member								
Accepts and secures structural members into position								
Aligns, levels and plumbs components								
Torques bolts to secure components in place								
Installs roofing, cladding and insulation as required								
Installs man doors, roll-up doors and windows as required								
Erects temporary frame or tube scaffolds, falsework, shorting, etc.								
Suspends scaffolds from structures								

Note: These skills and tasks are taken directly from the *Apprenticeship and Industry Training Record Book* (Blue Book) as a general guideline of the training required for a first-year RAP student.

Employer's Signature

Student's Signature

Off-campus Coordinator's Signature