



**COURSE CON2040: FRAMING SYSTEMS 1 (FLOOR & WALL)** (continued)

General Outcomes	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> <li>• apply framing skills to assist in the layout and construction of floor and wall components</li> <li>• demonstrate basic competencies.</li> </ul>	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> <li>• the observation of framing skills through on-site, in-shop or mock-up work.</li> </ul> <p><i>Assessment Tool</i>  <i>Activity Assessment: Floor and Wall Framing, CON2040–2</i></p> <p><i>Standard</i>  <i>The floor and wall components are framed according to conventional building practices and specified dimensions are within ± 3 mm over 6 metres</i>  <i>Performance rating of 2 for each applicable task</i></p> <ul style="list-style-type: none"> <li>• observations of individual effort and interpersonal interaction during the learning process.</li> </ul> <p><i>Assessment Tool</i>  <i>Basic Competencies Reference Guide and any assessment tools noted above</i></p>	<p style="text-align: center;">60</p> <p style="text-align: center;">Integrated throughout</p>

Concept	Specific Outcomes	Notes
<p>Orientation</p> <ul style="list-style-type: none"> <li>• Materials</li> <li>• Fasteners</li> </ul>	<p><i>The student should:</i></p> <ul style="list-style-type: none"> <li>• describe common wood defects associated with natural growth and milling operations</li> <li>• compare the span limitations of different species and grades of lumber and manufactured components</li> <li>• identify common types of sheathing and subflooring materials</li> <li>• identify the adhesives and fasteners used in conjunction with floor and wall framing</li> </ul>	<p>If a framing project requires more than 25 hours, or is more advanced, add a project module from Career Transitions or combine with CON3210: Framing Systems 2 (Floor, Wall &amp; Ceiling)</p>

**MODULE CON2040: FRAMING SYSTEMS 1 (FLOOR & WALL) (continued)**

Concept	Specific Learner Expectations	Notes
<ul style="list-style-type: none"> <li>• Floor and Wall Structures</li> </ul>	<p><i>The student should:</i></p> <ul style="list-style-type: none"> <li>• identify the parts and purpose of a typical wall and floor framing system</li> <li>• compare platform framing to post and beam construction</li> <li>• describe the consequences of a floor system that has not been sized or constructed properly</li> <li>• identify and describe the proper use of portable electric and air activated tools.</li> </ul>	<p>Discuss the relationship of the floor and wall design to the overall strength and stability of a building.</p>
<p>Planning and Management</p> <ul style="list-style-type: none"> <li>• Floor and Wall Design</li> <li>• Estimating</li> </ul>	<ul style="list-style-type: none"> <li>• use a frame structure drawing to determine the location, type and sizes of joists, beams, sills and headers as well as subflooring requirements</li> <li>• use a wall frame elevation to determine the size and locations of studs, headers and rough size openings</li> <li>• prepare a quantity survey for a floor and wall section.</li> </ul>	
<p>Implementation</p> <ul style="list-style-type: none"> <li>• Health and Safety</li> <li>• Tools and Processes</li> </ul>	<ul style="list-style-type: none"> <li>• demonstrate proper methods of lifting materials and components</li> <li>• use proper personal protective equipment</li> <li>• cover openings and build railings where needed</li> <li>• use the appropriate hand tools and portable equipment to:               <ul style="list-style-type: none"> <li>– lay out components</li> <li>– cut and assemble floor joists and wall sections</li> <li>– square floor and wall components</li> <li>– install subflooring and sheathing</li> <li>– lay out and assemble a wall section</li> <li>– erect, plumb and brace wall sections.</li> </ul> </li> </ul>	<p>Emphasize the importance of safety on the work site.</p> <p>Review the safe use of air and electrically operated tools.</p>

**MODULE CON2040: FRAMING SYSTEMS 1 (FLOOR & WALL) (continued)**

Concept	Specific Learner Expectations	Notes
Assessment <ul style="list-style-type: none"><li>• Career Information</li><li>• Career Preparation</li></ul>	<i>The student should:</i> <ul style="list-style-type: none"><li>• identify the trade qualifications and employment opportunities related to residential framing</li><li>• maintain a record of completed activities within a portfolio.</li></ul>	