# ILM Publishing Report 2022: Carpenter

## Quality Assurance (QA) Maintenance Summary

The ILM office held a total of 23 QA Meetings in the 2021/22 academic year, which included over 90 attendees from 8 different institutions across Alberta. With support and feedback from these individuals, we were able to address and resolve over 700 maintenance comments across all ILM trades! We want to acknowledge each of the Programs and instructors that dedicated their time and effort to supporting this important maintenance work and express our gratitude for your support in our continuous improvement of ILM content for students and learners.

For Carpenter, there were 25 modules updated due to QA meeting maintenance, and a total of 58 maintenance comments were addressed. As part of this year’s ILM maintenance process, there were also a number of images and graphics within the ILMs reverted to a previous version. After significant consultation/feedback with Programs and stakeholders, the quality and accuracy of images and graphics from previous ILM versions was identified as being important for student learning and success. The *Maintenance Updates* column in the Module List section below indicates modules where this has occurred.

For more information on the ILM Comments and Maintenance process, please visit our website:

* ILM Maintenance: <https://ilm.nait.ca/ilm-maintenance>
* Comments: <https://ilm.nait.ca/comments>

QA Maintenance meeting dates for the 2022/23 academic year will be finalized and shared in September 2022.

Program Updates

Several issues related to content versioning and image corrections were also brought forward at this year’s QA meeting. The ILM team would like to extend special thanks to the QA group for both bringing these issues forward, and for subsequently supporting the ILM team in making the necessary corrections. We appreciate the collaboration on resolving these issues!

The versioning issue impacted the following modules: 020204aA, 020204aB, 020302d, 020304f, 020402c, 020402d, 020404e. Changes made to these modules as part of the October 2019 code updates were not captured in subsequent version releases, which resulted in content reverting back to an incorrect version. These content errors have been corrected and are now reflected in the new Version 24 modules.

The ILM team was also informed that drawing lines in images in the following modules were either too faint, or had disappeared completely: 020104eA, 020104eB, 020104eC, 020104eD and 020205bA, 020205bB. These files were reviewed and updated, and further print testing was done to confirm that these drawing lines are now printing correctly in the Version 24 modules.

## Brand Refresh

The 2022 ILM publication includes a brand refresh for all (English) ILM files. This brand refresh only impacts the style/format of ILM products. It does not impact the content within the ILMs. Changes for each ILM product type include updates to the front and back covers of ILM files, ILM Graphics PowerPoint template, and both student and instructor Digital ILM templates.

## Module List

\*Maintenance updates include image/graphic updates, addressing of website comments, and changes identified at annual Quality Assurance meetings.

### First Period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module Number** | **Module Name** | **New Version[[1]](#footnote-2)** | **Maintenance Updates\*** | **Rebrand Updates** |
| 020101a | Safety Legislation, Regulations and Industry Policy in the Trades | 24.0 |  | ü |
| 020101b | Climbing, Lifting, Rigging and Hoisting | 24.0 | ü | ü |
| 020101c | Hazardous Materials and Fire Protection | 24.0 |  | ü |
| 020101d | Construction Equipment Safety | 24.0 |  | ü |
| 020101e | Apprenticeship Training Program Orientation | 24.0 | ü | ü |
| 020101f | Solid Wood Products and Wood Joinery | 24.0 |  | ü |
| 020101g | Manufactured Construction Products | 24.0 |  | ü |
| 020101h | Fasteners, Adhesives and Sealants | 24.0 |  | ü |
| 020101i | Introduction to Concrete | 24.0 |  | ü |
| 020102a | Hand Tools | 24.0 | ü | ü |
| 020102b | Portable Power Tools | 24.0 |  | ü |
| 020102c | Stationary Power Tools | 24.0 | ü | ü |
| 020102d | Cutters, Bits and Abrasives | 24.0 |  | ü |
| 020102e | Explosive Actuated Tools | 24.0 | ü | ü |
| 020102f | Pneumatic and Fuel-Powered Tools | 24.0 |  | ü |
| 020103a | Preliminary Building Procedures | 24.0 |  | ü |
| 020103b | Building Loads and Forces | 24.0 | ü | ü |
| 020103c | Foundation Supports | 24.0 | ü | ü |
| 020103d | Concrete Flatwork | 24.0 | ü | ü |
| 020103eA | Foundation Systems - Part A | 24.0 |  | ü |
| 020103eB | Foundation Systems - Part B | 24.0 | ü | ü |
| 020103f | Floor Frame Support | 24.0 | ü | ü |
| 020103g | Floor Frames | 24.0 |  | ü |
| 020104a | Drawing Basics | 24.0 | ü | ü |
| 020104bA | Orthographic Drawings - Part A | 24.0 | ü | ü |
| 020104bB | Orthographic Drawings - Part B | 24.0 | ü | ü |
| 020104c | Pictorial Drawings and Sketching | 24.0 |  | ü |
| 020104d | Drawing Standards | 24.0 |  | ü |
| 020104eA | Drawing Interpretation Principles - Part A | 24.0 | ü | ü |
| 020104eB | Drawing Interpretation Principles - Part B | 24.0 | ü | ü |
| 020104eC | Drawing Interpretation Principles - Part C | 24.0 | ü | ü |
| 020104eD | Drawing Interpretation Principles - Part D | 24.0 | ü | ü |
| 020104eE | Drawing Interpretation Principles - Part E | 24.0 | ü | ü |
| 020104fA | Math Concepts - Part A | 24.0 |  | ü |
| 020104fB | Math Concepts - Part B | 24.0 | ü | ü |
| 020104fC | Math Concepts - Part C | 24.0 | ü | ü |
| 020104fD | Math Concepts - Part D | 24.0 | ü | ü |
| 020104fE | Math Concepts - Part E | 24.0 |  | ü |
| 020104g | Estimate Foundation Forms and Concrete Material Requirements | 24.0 | ü | ü |
| 020104h | Estimate Floor Systems Material Requirements | 24.0 |  | ü |

### Second Period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module Number** | **Module Name** | **New Version**1 | **Maintenance Updates\*** | **Rebrand Updates** |
| 020201a | Construction Site Safety | 24.0 | ü | ü |
| 020201bA | Wall Framing Systems - Part A | 24.0 | ü | ü |
| 020201bB | Wall Framing Systems - Part B | 24.0 |  | ü |
| 020201c | Ceiling Framing | 24.0 | ü | ü |
| 020201d | Building Envelope | 24.0 |  | ü |
| 020202aA | Roof Framing Systems - Part A | 24.0 | ü | ü |
| 020202aB | Roof Framing Systems - Part B | 24.0 |  | ü |
| 020202aC | Roof Framing Systems - Part C | 24.0 | ü | ü |
| 020202aD | Roof Framing Systems - Part D | 24.0 | ü | ü |
| 020202aE | Roof Framing Systems - Part E | 24.0 | ü | ü |
| 020202aF | Roof Framing Systems - Part F | 24.0 | ü | ü |
| 020202aG | Roof Framing Systems - Part G | 24.0 | ü | ü |
| 020202bA | Engineered Truss Systems - Part A | 24.0 | ü | ü |
| 020202bB | Engineered Truss Systems - Part B | 24.0 | ü | ü |
| 020203aA | Windows and Doors - Part A | 24.0 |  | ü |
| 020203aB | Windows and Doors - Part B | 24.0 | ü | ü |
| 020203aC | Windows and Doors - Part C | 24.0 | ü | ü |
| 020203bA | Exterior Finishes - Part A | 24.0 |  | ü |
| 020203bB | Exterior Finishes - Part B | 24.0 |  | ü |
| 020203c | Residential Roof Coverings | 24.0 |  | ü |
| 020204aA | Single and Multi-Flight Stairs - Part A | 24.0 | ü | ü |
| 020204aB | Single and Multi-Flight Stairs - Part B | 24.0 | ü | ü |
| 020205a | Drawing Standards | 24.0 |  | ü |
| 020205bA | Drawing Interpretation - Part A | 24.0 | ü | ü |
| 020205bB | Drawing Interpretation - Part B | 24.0 | ü | ü |
| 020205bC | Drawing Interpretation - Part C | 24.0 |  | ü |
| 020205bD | Drawing Interpretation - Part D | 24.0 |  | ü |
| 020205c | Interpretation of Building Codes and Standards | 24.0 | ü | ü |
| 020205d | Wall Framing Calculations | 24.0 | ü | ü |
| 020205e | Ceiling Framing Calculations | 24.0 |  | ü |
| 020205f | Roof Framing Calculations | 24.0 |  | ü |
| 020205g | Exterior and Interior Wall Finish Calculations | 24.0 | ü | ü |
| 020205h | Straight-Flight and Multi-Flight Stair Calculations | 24.0 | ü | ü |

### Third Period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module Number** | **Module Name** | **New Version**1 | **Maintenance Updates\*** | **Rebrand Updates** |
| 020301a | Commercial and Industrial Construction Site Safety | 24.0 | ü | ü |
| 020301bA | Scaffolding - Part A | 24.0 |  | ü |
| 020301bB | Scaffolding - Part B | 24.0 |  | ü |
| 020301c | Concrete Mix Design | 24.0 |  | ü |
| 020301d | Transporting and Placement of Concrete | 24.0 | ü | ü |
| 020301e | Finishing and Curing of Concrete | 24.0 |  | ü |
| 020301f | Joints and Reinforcement for Concrete | 24.0 |  | ü |
| 020301g | Pre-Stressed and Precast Concrete | 24.0 |  | ü |
| 020301hA | Survey Equipment - Part A | 24.0 | ü | ü |
| 020301hB | Survey Equipment - Part B | 24.0 |  | ü |
| 020301hC | Survey Equipment - Part C | 24.0 | ü | ü |
| 020302a | Piles, Footings, and Grade Beams | 24.0 |  | ü |
| 020302bA | Wall and Column Forming - Part A | 24.0 | ü | ü |
| 020302bB | Wall and Column Forming - Part B | 24.0 | ü | ü |
| 020302c | Suspended Concrete Slabs | 24.0 |  | ü |
| 020302d | Concrete Stairs | 24.0 | ü | ü |
| 020303aA | Interior Systems and Door Frames - Part A | 24.0 | ü | ü |
| 020303aB | Interior Systems and Door Frames - Part B | 24.0 | ü | ü |
| 020303b | Commercial Doors and Windows | 24.0 | ü | ü |
| 020303c | Commercial Exteriors | 24.0 | ü | ü |
| 020303d | Commercial Roofs | 24.0 | ü | ü |
| 020303e | Fire Protection Acoustics and Commercial Insulation | 24.0 | ü | ü |
| 020303f | Commercial Fasteners and Anchors | 24.0 | ü | ü |
| 020303g | Timber Construction | 24.0 | ü | ü |
| 020304a | Drawing Standards | 24.0 |  | ü |
| 020304b | Commercial Drawing Interpretation | 24.0 | ü | ü |
| 020304c | Commercial Concrete Structures Material Takeoffs | 24.0 | ü | ü |
| 020304d | Commercial Concrete Volume Calculations | 24.0 | ü | ü |
| 020304e | Cut and Fill Calculations | 24.0 |  | ü |
| 020304f | Concrete Stair Calculations | 24.0 | ü | ü |
| 020304g | Interior Systems Calculations | 24.0 | ü | ü |

### Fourth Period

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| --- | --- | --- | --- | --- |
| **Module Number** | **Module Name** | **New Version**1 | **Maintenance Updates\*** | **Rebrand Updates** |
| 020401a | Industrial Construction Site Safety | 24.0 | ü | ü |
| 020401b | Alberta’s Industry Network | 24.0 | ü | ü |
| 020401c | Workplace Coaching Skills | 24.0 | ü | ü |
| 020401d | Interprovincial Standards Red Seal Program | 24.0 | ü | ü |
| 020401e | Job Scheduling | 24.0 | ü | ü |
| 020401f | Construction Materials Management | 24.0 | ü | ü |
| 020401g | Cabinet Installation | 24.0 | ü | ü |
| 020401h | Trim Installation | 24.0 | ü | ü |
| 020401i | Walls and Storage | 24.0 | ü | ü |
| 020401j | Wood Finishing | 24.0 | ü | ü |
| 020401k | Flooring | 24.0 | ü | ü |
| 020401l | Interior Finish Carpentry Project | 24.0 | ü | ü |
| 020402a | Advanced Roof Framing | 24.0 | ü | ü |
| 020402b | Housed Stairs | 24.0 |  | ü |
| 020402c | Winder Stairs | 24.0 | ü | ü |
| 020402d | Curved Stairs | 24.0 | ü | ü |
| 020403aA | Renovations - Part A | 24.0 |  | ü |
| 020403aB | Renovations - Part B | 24.0 |  | ü |
| 020403b | Additions | 24.0 | ü | ü |
| 020403c | Architectural Building Design Concepts | 24.0 | ü | ü |
| 020403d | Barrier-Free Design and Ergonomics | 24.0 |  | ü |
| 020403e | Energy-Efficient Construction | 24.0 | ü | ü |
| 020403f | Energy-Efficient Building Design | 24.0 | ü | ü |
| 020403gA | Energy-Efficient Framing - Part A | 24.0 | ü | ü |
| 020403gB | Energy-Efficient Framing - Part B | 24.0 | ü | ü |
| 020403h | Insulation and Air Barriers | 24.0 | ü | ü |
| 020404a | Industrial Trade Math | 24.0 | ü | ü |
| 020404b | Interior Finish Calculations | 24.0 | ü | ü |
| 020404c | Industrial Project Costing | 24.0 | ü | ü |
| 020404d | Roof Calculations | 24.0 | ü | ü |
| 020404e | Advanced Stair Calculations | 24.0 | ü | ü |
| 020404f | Industrial Drawing Interpretation | 24.0 |  | ü |

### Additional Modules

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| --- | --- | --- | --- | --- |
| **Module Number** | **Module Name** | **New Version**1 | **Maintenance Updates\*** | **Rebrand Updates** |
| A020107aB | Drafting Basics - Part B | 24.0 | ü | ü |
| A020207aA | Trade Math - Part A | 24.0 | ü | ü |
| A020207aB | Trade Math - Part B | 24.0 | ü | ü |
| A020207aC | Trade Math - Part C | 24.0 | ü | ü |
| A020307aA | Trade Math - Part A | 24.0 | ü | ü |
| A020307aB | Trade Math - Part B | 24.0 | ü | ü |
| A020307aC | Trade Math - Part C | 24.0 | ü | ü |
| A020408aA | Trade Math - Part A | 24.0 | ü | ü |
| A020408aB | Trade Math - Part B | 24.0 | ü | ü |
| A020408aC | Trade Math - Part C | 24.0 | ü | ü |
| A-DP020107i | Blueprint Package, Part 1 of 3 (Castilian Plan - 1st half) | 24.0 | ü | ü |
| A-DP020107j | Blueprint Package, Part 2 of 3 (Castilian Plan - 2nd half) | 24.0 | ü | ü |
| A-DP020107k | Blueprint Package, Part 3 of 3 (Miscellaneous) | 24.0 | ü | ü |
| A-DP020206h | Blueprint Package Part 1 of 3 (Castilian Plan - 1st Half) | 24.0 | ü | ü |
| A-DP020206i | Blueprint Package Part 2 of 3 (Castilian Plan - 2nd Half) | 24.0 | ü | ü |
| A-DP020206j | Blueprint Package Part 3 of 3 (Sartisian, Allendale, and Georgian | 24.0 | ü | ü |
| A-DP020206k | Blueprint Package Part 1 of 7 (Radium-Valley Leisure Park Estates Pages 1- 6 of 23 Pages) | 24.0 | ü | ü |
| A-DP020206l | Blueprint Package Part 2 of 7 (Radium-Valley Leisure Park Estates Pages 7 - 12 of 23 Pages) | 24.0 | ü | ü |
| A-DP020206m | Blueprint Package Part 3 of 7 (Radium-Valley Leisure Park Estates Pages 13 - 18 of 23 Pages) | 24.0 | ü | ü |
| A-DP020206n | Blueprint Package Part 4 of 7 (Radium -Valley Leisure Park Estates Pages 19 - 23 of 23 Pages) | 24.0 | ü | ü |
| A-DP020206o | Blueprint Package Part 5 of 7 (Sample Residence Pages 7 - 12 of 22 Pages) | 24.0 | ü | ü |
| A-DP020206p | Blueprint Package Part 6 of 7 (Sample Residence Pages 7 - 12 of 22 Pages | 24.0 | ü | ü |
| A-DP020206q | Blueprint Package Part 7 of 7 (Sample Residence Pages 13 - 22 of 22 Pages) | 24.0 | ü | ü |
| A-DP020306e | Blueprint Package Part 1 of 3 (Spring Gardens - Bus Storage, Pole Frame - Machinery Storage) | 24.0 | ü | ü |
| A-DP020306f | Blueprint Package Part 2 of 3 (The Richardson) | 24.0 | ü | ü |
| A-DP020306g | Blueprint Paxkage Part 3 of 3 (DeMongo Reservoir) | 24.0 | ü | ü |
| A-DP020407f | Blueprint Package Part 1 of 12 (Jasper Emergency Services Building Pages 1 - 6 of 40 Pages) | 24.0 | ü | ü |
| A-DP020407g | Blueprint Package Part 2 of 12 (Jasper Emergency Services Building Pages 7 - 12 of 40 Pages) | 24.0 | ü | ü |
| A-DP020407h | Blueprint Package Part 3 of 12 (Jasper Emergency Services Building Pages 13 - 18 of 40 Pages) | 24.0 | ü | ü |
| A-DP020407i | Blueprint Package Part 4 of 12 (Jasper Emergency Services Building Pages 19 -24 of 40 Pages) | 24.0 | ü | ü |
| A-DP020407j | Blueprint Package Part 5 of 12 (Jasper Emergency Services Building Pages 25 - 30 of 40 Pages) | 24.0 | ü | ü |
| A-DP020407k | Blueprint Package Part 6 of 12 (Jasper Emergency Services Building Pages 31 - 36 of 40 Pages) | 24.0 | ü | ü |
| A-DP020407l | Blueprint Package Part 7 of 12 (Jasper Emergency Services Building Pages 37 - 40 of 40 Pages) | 24.0 | ü | ü |
| A-DP020407m | Blueprint Package Part 8 of 12 (Holiday Inn Express Pages 1 - 6 of 24 Pages) | 24.0 | ü | ü |
| A-DP020407n | Blueprint Package Part 9 of 12 (Holiday Inn Express Pages 7 - 12 of 24 Pages) | 24.0 | ü | ü |
| A-DP020407o | Blueprint Package Part 10 of 12 (Holiday Inn Express Pages 13 - 18 of 24 Pages) | 24.0 | ü | ü |
| A-DP020407p | Blueprint Package Part 11 of 12 (Holiday Inn Express Pages 19 - 24 of 24 Pages) | 24.0 | ü | ü |
| A-DP020407q | Blueprint Package Part 12 of 12 (Sartisian and Richardson Floor Plan) | 24.0 | ü | ü |

1. ILMs are updated on a module-by-module basis; not all modules in a Period are updated within the same cycle, and a combination of different version numbers within a Period is normal. **However, every module has received a new version number for the 2022 publishing cycle to reflect their rebranding.** The most current, published version of each module will always be the version that is posted on the [Order Modules](https://ilm.nait.ca/order-modules) page of the ILM website. [↑](#footnote-ref-2)