

Index (DTI Update)

- Add new section 01 43 00 – Quality Assurance
- Add new section 02 83 10 – Lead-Based Paint Abatement.
- Add new section 03 05 05 – Concrete Testing and Inspection.
- Renumber Section 03 35 05 to 03 35 46.
- Renumber Section 26 53 00 to 26 52 13.16.
- Renumber Section 27 11 19 to 27 10 05.

Section 01 11 00 – Summary of Work (DTI Update)

- Sentence 1.2.3, delete word “01 91 13” and replace with “01 91 13.13”.
- Delete sentence 1.2.5.
- Sentence 1.5.1, delete word “versions” and replace with “sections”.

Section 01 21 00 – Allowances (DTI Update)

- Delete sentence 1.1.1 and replace with the following:
 - .1 Include in Contract Price, cash allowances as stated herein:
 - .1 Cash allowance to cover costs for _____.
- Delete sentence 1.2.

Section 01 31 00 – Project Management and Coordination (DTI Update)

- Sentence 1.2.2, delete word “01 91 13” and replace with “01 91 13.13”.

Section 01 33 00 – Submittal Procedures (DTI Update)

- Delete sentence 1.4.10 and replace with the following:
 - .10 Submit one (1) electronic copy in PDF format of shop drawings for each requirement requested in specification Sections and as Owner may reasonably request.
- Sentence 1.8.1, delete word “01 91 13” and replace with “01 91 13.13”.

Section 01 35 29.06 – Health and Safety Requirements (DTI Update)

- Delete section in its entirety and replace with the new section attached.

Section 01 43 00 – Quality Assurance (DTI Update)

- Add new section 01 43 00 – Quality Assurance.

Section 01 43 39 – Mock Up Requirements (DTI Update)

- Mock Up Schedule, delete words “06 40 23.13 - Plastic Laminate for Interior Architectural Woodwork” and replace with “06 40 23.13 - Plastic Laminate Finishing for Interior Architectural Woodwork”.

Section 01 51 00 – Temporary Utilities (DTI Update)

- Delete sentence 1.4 and replace with the following:

1.4 Water Supply (*Edit to suit project*)

- .1 Arrange for connection with appropriate utility company and pay all costs for installation, maintenance and removal.
- .2 Owner will provide continuous supply of potable water for construction use. Contractor is responsible for connection at the source.

- Delete heading 1.6 and replace with the following:

1.6 Temporary Power and Light (*Edit to suit project*)

- Add the following sentence 1.6.2:

- .2 Owner will provide and pay for temporary power during constructing for temporary lighting and operating of power tools, to the extent available on site. Contractor to connect to existing power supply in accordance with governing regulations and the Canadian Electrical Code, latest edition.
 - .1 Temporary power for equipment requiring in excess of above is responsibility of Contractor.

- Renumber 1.6.2 to 1.6.3.

- Renumber 1.6.3 to 1.6.4.

- Renumber 1.6.4 to 1.6.5.

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- Renumber 1.6.5 to 1.6.6.
- Renumber 1.6.6. to 1.6.7.
- Renumber 1.6.7 to 1.6.8.
- Renumber 1.6.8 to 1.6.9.

Section 01 74 00 – Cleaning (DTI Update)

- Sentence 1.3.11, delete words “Section 01 74 19 - Waste Management and Disposal” and replace with “Section 01 74 21 – Construction/Demolition Waste Management and Disposal”.
- Add the following sentence 1.3.12:
 - .12 Dispose of waste materials and debris at designated dumping areas off site.

Section 01 91 13.13 – Commissioning (Cx) Requirements (DTI Update)

- Sentence 1.6.1, delete words “Engineer/Architect” and replace with “Owner”.
- Sentence 1.24.1, delete words “Engineer/Architect” and replace with “Owner”.

Section 02 41 13 – Selective Site Demolition (DTI Update)

- Sentence 1.2.5, delete word “01 74 19” and replace with “01 74 21”.

Section 02 83 10 – Lead-Based Paint Abatement (DTI Update)

- Add new section 02 83 10 – Lead-Based Paint Abatement.

Section 03 05 05 – Concrete Testing and Inspection (DTI Update)

- Add new section 03 05 05 – Concrete Testing and Inspection.

Section 03 10 00 – Concrete Forming and Accessories (DTI Update)

- Sentence 2.1.7, delete word “Sealing”, and replace with “Sealants”.

Section 03 11 19 – Insulating Concrete Forms (NMS Update)

- Delete sentence 1.2.5.1 and replace with the following:

- .1 CAN/ULC-S701.1, Standard for Thermal Insulation, Polystyrene, Boards.
- Delete sentence 1.3.1 and replace with the following:
 - .1 Insulated concrete form (ICF) building system: factory-assembled and site-installed stay-in-place polystyrene rigid board insulation panels, plastic web spacers or connection ties and inserts, concrete reinforcement, concrete accessories and cast-in-place concrete, designed to integrate formwork, concrete, drainage, insulation, studs/strapping, vapour barrier, air barrier and sheathing into one system.
- Delete sentence 1.5.2 and replace with the following:
 - .2 Test Reports: Submit test reports for thermal resistance, water vapour permeance, flexural and compressive strength, and rigidity from approved independent testing laboratories, indicating compliance with specified performance characteristics and physical properties.

Section 03 20 00 – Concrete Reinforcing (DTI Update)

- Add the following sentence 1.1.2:
 - .2 Section 03 05 05 – Concrete Testing and Inspection.
- Renumber 1.1.2 to 1.1.3.
- Renumber 1.1.3 to 1.1.4.
- Delete sentence 1.2.2.1.
- Delete sentence 1.2.2.2.
- Renumber sentence 1.2.2.3 to 1.2.2.1.
- Add the following sentence 1.2.2.2:
 - .2 ASTM A1064/A1064M, Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete.
- Sentence 2.1.3, delete words “ASTM A497/A497M” and replace with “ASTM A1064/A1064M”.

- Sentence 2.1.4, delete words “ASTM A185/A185M” and replace with “ASTM A1064/A1064M”.
- Add the following sentence 2.1.8:
 - .8 Tie wire: 1.5 mm diameter annealed wire.
- Add the following sentence 3.2.5:
 - .5 Cutting or puncturing vapour retarder is not permitted; repair damage and reseal vapour retarder before placing concrete.

Section 03 30 00 – Cast in Place Concrete (DTI Update/NMS Update)

- Add the following sentence 1.1.2:
 - .2 Section 03 05 05 – Concrete Testing and Inspection.
- Renumber 1.1.2 to 1.1.3.
- Renumber 1.1.3 to 1.1.4.
- Renumber 1.1.4 to 1.1.5.
- Renumber 1.1.5 to 1.1.6., delete “03 35 05” and replace with “03 35 46”.
- Delete sentence 1.3.3.4.
- Add the following sentence 1.5.4:
 - .4 Concrete pours: provide accurate records of poured concrete items indicating date and location of pour, quality, air temperature and test samples taken as described in PART 3 - FIELD QUALITY CONTROL.
- Add the following sentence 1.5.5:
 - .5 Concrete hauling time: provide for review by Owner deviations exceeding maximum allowable time of 120 minutes for concrete delivered to site of Work and discharged after batching.
- Delete sentence 3.4 and replace with the following:
 - 3.4 Field Quality Control

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- .1 Inspection and testing of concrete and concrete materials will be carried out by a Testing Laboratory designated by Owner in accordance with CSA-A23.1/A23.2, Section 01 45 00 - Quality Control and Section 03 05 05 – Concrete Testing and Inspection.

Section 03 35 05 – Concrete Floor Hardening (DTI Update/NMS Update)

- Renumber section to 03 35 46.
- Add the following sentence 1.2.5:

.5 Section 03 35 00 - Concrete Finishing.

Section 04 05 00 – Common Works Results for Masonry (NMS Update)

- Add the following sentence 3.4.11:

.11 Interference with other work:

- .1 Cut openings in existing work as indicated.
- .2 Openings in walls: approved by Owner.
- .3 Make good existing work. Use materials to match existing.

Section 06 20 00 – Finish Carpentry (DTI Update/ NMS Update)

- Delete sentence 1.1.5 and replace with the following:

.5 Section 06 40 23.13 - Plastic Laminate Finishing for Interior Architectural Woodwork.

- Sentence 1.2.2.1, delete words “1st Edition” and replace with “2nd Edition”.
- Add the following sentence 3.3:

3.3 Touchup and Protection

- .1 Fill and retouch all nicks, chips and scratches in factory finishes and substrate materials to AWS standards. Replace damaged items that cannot be repaired to AWS standards.
- .2 Protect installed products and components from damage during construction.
- .3 Repair damage to adjacent materials caused by finish carpentry installation.
- .4 Leave work to be site finished ready for finishing by Section 09 91 23 – Interior Painting.

Section 06 40 00 – Architectural Woodwork (DTI Update)

- Delete sentence 1.1.7 and replace with the following:
 - .7 06 40 23.13 - Plastic Laminate Finishing for Interior Architectural Woodwork

Section 06 40 23.13 – Plastic Laminate Finishing for Interior Architectural Woodwork (NMS Update)

- Delete sentence 3.3.
- Renumber 3.4 to 3.3.
- Renumber 3.5 to 3.4.

Section 07 31 13.13 – Fiberglass-Reinforced Asphalt Shingles (NMS Update)

- Add the following sentence 2.1.4:
 - .4 PVC drip edge: extruded profile of unplasticized polyvinyl chloride of minimum thickness of 0.8 mm.
- Renumber 2.1.4 to 2.1.5.
- Renumber 2.1.5 to 2.1.6.

Section 07 46 16 – Aluminum Siding (NMS Update)

- Add the following sentence 1.2.2.1:
 - .1 ASTM B209, Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
- Renumber 1.2.2.1 to 1.2.2.2.
- Renumber 1.2.2.2 to 1.2.2.3.
- Renumber 1.2.2.3 to 1.2.2.4.
- Sentence 2.1, delete words “steel cladding” and replace with ‘aluminum siding’.
- Sentence 2.1.1, delete word “CGSB 93.2” and replace with “ASTM B209”.
- Sentence 2.1.2, delete word “CGSB 93.2” and replace with “ASTM B209”.

- Sentence 2.1.3, delete word “CGSB 93.2” and replace with “ASTM B209”.
- Add the following sentence 3.3:

3.3 Protection

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by preformed metal siding installation.

Section 07 46 19 – Steel Siding (NMS Update)

- Add the following sentence 1.2.2.1:
 - .1 ASTM A 653/A 653M, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- Renumber 1.2.2.1 to 1.2.2.2.
- Renumber 1.2.2.2 to 1.2.2.3.
- Renumber 1.2.2.3 to 1.2.2.4.
- Sentence 2.1.1, delete word “CGSB 93.4” and replace with “ASTM A 652M”.
- Sentence 2.1.2, delete word “CGSB 93.4” and replace with “ASTM A 652M”.
- Sentence 2.1.3, delete word “CGSB 93.4” and replace with “ASTM A 652M”.
- Add the following sentence 3.3:

3.2 Protection

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by preformed metal siding installation.

Section 07 46 23 – Wood Siding – Prefinished (NMS Update)

- Delete sentence 3.2.4 and replace with the following:
 - .4 Install sill flashings, wood starter strips, inside corner flashings, edgings and flashings over openings.
- Add the following sentence 3.6:
 - 3.6 Protection
 - .1 Protect installed products and components from damage during construction.
 - .2 Repair damage to adjacent materials caused by preformed metal siding installation.

Section 26 12 16.01 – Dry Type Transformers Up to 600 V Primary (DTI Update)

- Delete sentence 1.2.2.2:
- Add the following sentence 1.4.1.3:
 - .3 CSA C22.1, Canadian Electrical Code.
- Add the following sentence 1.4.3 :
 - .3 National Resources Canada – Energy Efficiency Regulations
 - .1 NRCan 2019 – Distribution Transformers.
- Delete sentence 1.5.1.4.1.
- Delete sentence 1.5.1.4.2.
- Delete sentence 1.5.1.4.3.
- Delete sentence 1.5.1.4.4 and replace with the following. Renumber sentence to 1.5.1.4.1.
 - .1 Submit test data illustrating compliance with the energy efficiency requirements of NRCan 2019.
- Delete sentence 2.2.10.1 and replace with the following:
 - .1 Comply with NRCan 2019– Dry-Type Transformers – Energy Efficiency Regulations.

- Delete sentence 2.2.10.2.
- Add the following sentence 2.5.3:
 - .3 Test transformers for losses and efficiency as per Department of Energy 10 CFR Appendix A to Subpart K of Part 431 – Uniform Test Method for Measuring the Energy Consumption of Distribution Transformers and confirm compliance with NRCan 2019– Dry-Type Transformers – Energy Efficiency Regulations.
- Sentence 3.1.2, delete words “CEC 2009” and replace with “CSA C22.1 – Canadian Electrical Code”.
- Delete sentence 3.4.2.2 and replace with the following:
 - .2 Test transformers for losses and efficiency as per Department of Energy 10 CFR Appendix A to Subpart K of Part 431 – Uniform Test Method for Measuring the Energy Consumption of Distribution Transformers. Verify results are consistent with the loss data provided on the submittal documenting compliance with NRCan 2019 – Dry-Type Transformers – Energy Efficiency Regulations

Section 26 29 10 – Motor Starters to 600V (DTI Update)

- Delete sentence 1.5.

Section 26 53 00 – Exit Signs (DTI Update/NMS Update)

- Renumber section to 26 52 13.16.

Section 27 05 14 – Communication Cables – Inside Buildings (DTI Update/NMS Update)

- Delete sentence 1.1.5 and replace with the following:
 - .5 Section 27 10 05 – Structured Cabling for Communication Systems.

Section 27 11 19 – Structured Cabling for Communication Systems (DTI Update/NMS Update)

- Renumber section to 27 10 05.
- Delete section in its entirety and replace with new section attached.

Section 27 20 00 – Data Communications (DTI Update/NMS Update)

- Delete sentence 1.2.6 and replace with the following:
 - .6 Section 27 10 05 – Structured Cabling for Communication Systems.
- Delete sentence 1.3.1.3.
- Delete sentence 1.3.1.4.
- Sentence 2.5.2.1, delete word “bridal” and replace with “bridle”.
- Add the following to sentence 2.6.5:

“Patch cords must be factory assembled complete with connectors. Field assembled patch cables not acceptable.”
- Sentence 3.4.1, delete words “IBDN Testing Note: IBDN-TESTS-9104” and replace with “ANSI/TIA-568-C.2”.
- Sentence 3.4.2, delete word “x3T9.5” and replace with “ANSI/TIA-568-C.2”.

Section 28 31 00.01 – Multiplex Fire Alarm System (DTI Update)

- Add the following sentence 1.2.1:
 - .1 Canadian Standards Association (CSA)
 - .1 CSA C22.1, Canadian Electrical Code, Part 1, Safety Standard for Electrical Installations.
- Delete sentence 1.2.1.2.
- Delete sentence 1.2.1.3.
- Renumber 1.2.1 to 1.2.2.
- Renumber 1.2.2 to 1.2.3.
- Add the following sentence 1.6.2.5:
 - .5 Verification Certificate and Report to CAN/ULC-S537.
- Add the following sentence 1.11:

1.11 Verification

- .1 The fire alarm system shall be verified to CAN/ULC-S537. A completed and signed verification Certificate shall be provided by the fire alarm system manufacturer's certified technician/company. The installation technician shall be approved by the AHJ. The verification certificate shall be accompanied with the completed and signed CAN/ULC-S537 Verification Report. The system will not be considered verified until both the CAN/ULC-S537 Certificate and the CAN/ULC-S537 Report are completed and submitted to the Owner. The system shall be free from all deficiencies prior to final verification.
- .2 The verification report shall include a detailed list of all the installed system components, including manufacturer and model numbers for each connected device.

- Delete sentence 2.8.2 and replace with the following:

- .2 To initiating circuits: 16 AWG minimum, or in accordance with manufacturer's requirements where exceeds minimum.

- Delete sentence 2.8.3 and replace with the following:

- .3 To signal circuits: 14 AWG minimum, or in accordance with manufacturer's requirements where exceeds minimum.

- Delete sentence 2.8.4 and replace with the following:

- .4 To control circuits: 14 AWG minimum, or in accordance with manufacturer's requirements where exceeds minimum.

- Delete sentence 3.1.1 and replace with the following:

- .1 Install systems in accordance with National Building Code of Canada, Canadian Electrical Code CSA-C22.1 and CAN/ULC-S524.

- Add the following sentence 3.1.2:

- .2 Installer shall review and comply with fire alarm system manufacturer's installation requirements where these requirements exceed minimum code requirements

- Renumber 3.1.2 to 3.1.3.

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- Add the following sentence 3.1.4:
 - .4 A separate bond wire shall be run in all conduits and connected at each junction point.
- Renumber 3.1.3 to 3.1.5.
- Renumber 3.1.4 to 3.1.6.
- Renumber 3.1.5 to 3.1.7.
- Renumber 3.1.6 to 3.1.8.
- Renumber 3.1.7 to 3.1.9.
- Renumber 3.1.8 to 3.1.10.
- Renumber 3.1.9 to 3.1.11.
- Renumber 3.1.10 to 3.1.12.
- Renumber 3.1.11 to 3.1.13.
- Renumber 3.1.12 to 3.1.14.
- Renumber 3.1.13 to 3.1.15.
- Renumber 3.1.14 to 3.1.16.
- Renumber 3.1.15 to 3.1.17.
- Renumber 3.1.16 to 3.1.18.
- Renumber 3.1.17 to 3.1.19.