

Index (DTW Request)

- Add “Section 10 14 43 – Photoluminescent (PLM) Exit Signs” to the Index.
- Add “Section 11 53 16 – Laboratory Fume Hoods” to the Index.
- Remove “Section 23 38 16.13 – Fume Hoods (for Laboratories)” from the Index.
- Change name of Section 23 65 16 to “Natural Draft Cooling Towers”.
- Change name of Section 23 82 39 to “Unit Heaters – Steam/Hydronic”.
- Remove “Section 33 64 47 – Geothermal Vertical Borehole Heat Exchanger” from the Index.

Section 01 14 00 – Work Restrictions (DTW Request)

- Sentence 1.3.2, delete words “72 hours of notice” and replace with “a notice of three (3) working days”.

Section 01 31 00 – Project Management and Coordination (DTW Request)

- Sentence 1.5.1, delete words “10 days” and replace with “ten (10) working days”.

Section 01 32 00 – Construction Progress Documentation (DTW Request)

- Sentence 1.4.4, delete words “10 days” and replace with “ten (10) working days”.
- Sentence 1.4.5, delete words “7 days” and replace with “seven (7) working days”.
- Sentence 1.4.8, delete words “10 days” and replace with “ten (10) working days”.

Section 01 33 00 – Submittal Procedures (NMS Update)

- Sentence 1.4.4, delete words “10 days” and replace with “ten (10) working days”.
- Add the following sentence 1.4.6:

.6 STRUCTURAL ATTACHMENTS

- .1 Make changes in shop drawings as Owner’s Representative may require, consistent with Contract Documents. When resubmitting, notify Owner’s Representative in writing of revisions other than those requested.

- Renumber 1.4.6 to 1.4.7.
- Renumber 1.4.7 to 1.4.8.
- Renumber 1.4.8 to 1.4.9.
- Renumber 1.4.9 to 1.4.10.
- Renumber 1.4.10 to 1.4.11.
- Renumber 1.4.11 to 1.4.12.
- Renumber 1.4.12 to 1.4.13.
- Renumber 1.4.13 to 1.4.14.
- Renumber 1.4.14 to 1.4.15.
- Renumber 1.4.15 to 1.4.16.
- Renumber 1.4.17 to 1.4.18.
- Renumber 1.4.18 to 1.4.19.
- Renumber 1.4.19 to 1.4.20.
- Renumber 1.4.21 to 1.4.21.
- Add the following sentence 1.4.22:

.4 Submit drawings stamped and signed by Professional Engineer registered or licensed in the Province of Newfoundland and Labrador.

Section 01 35 21 - LEED® Requirements (DTW Request)

- Sentence 1.9.5, delete words “14 days” and replace with “fourteen (14) working days”.

Section 01 35 22 - LEED® Product Requirements (DTW Request)

- Sentence 3.1.1, delete words “14 days” and replace with “fourteen (14) working days”.

Section 01 42 00 – References (DTW Request)

Add the following to sentence 1.3.2:

- .117 National Fireproofing Contractors Association (NFCA).

Section 01 52 00 – Construction Facilities (DTW Request)

- Delete sentence 1.8.1 and replace with the following:
 - .1 Provide office heated to 22° C, lighted 750 lx and ventilated, of sufficient size to accommodate site meetings and furnished with drawing laydown table, fax machine, telephone, file cabinet and chair. Provide an accessible washroom within the contractor’s site office.
- Add the following sentence 1.8.2:
 - .2 Accessible washroom, meeting space and entrance to contractor’s site office to meet the accessibility requirements of the NL Accessibility Act and Regulations, and CSA B651, Accessible Design for the Built Environment.
- Renumber 1.8.2 to 1.8.3.
- Renumber 1.8.3 to 1.8.4.
- Delete sentence 1.9.2 and replace with the following:
 - .2 Inside dimensions minimum 4.8 m long x 3 m wide x 2.4 m high, with floor 0.3 m above grade, complete with 4 - 50% opening windows and one lockable door. Door and access to the Owner’s Representative site office to meet the accessibility requirements of the NL Accessibility Act and Regulations, and CSA B651, Accessible Design for the Built Environment.
- Delete sentence 1.9.6 and replace with the following:
 - .6 Site office to have washroom facility complete with running water and sewage disposal. Maintain supply of washroom supplies. Washroom to meet the accessibility requirements of the NL Accessibility Act and Regulations, and CSA B651, Accessible Design for the Built Environment.

Section 01 61 00 – Common Product Requirements (DTW Request)

- Sentence 1.4.4, delete words “7 (seven) days” and replace with “seven (7) working days”.

Section 01 74 11 – Cleaning (NMS Update)

- Delete sentence 1.4.16 and replace with the following:
 - .16 Clean roofs, gutters, downspouts and drainage systems. Clean areaways and sunken wells.
- Add the following sentence 1.4.20:
 - .20 Remove debris and surplus materials from crawl areas and other accessible concealed spaces.

Section 01 77 00 – Closeout Procedures (NMS Update)

- Add the following sentence 1.2.3.6:
 - .6 Commissioning of building systems: completed in accordance with section 01 91 13 - Commissioning (Cx) Requirements and copies of final Commissioning Report submitted to Owner’s Representative.
- Renumber 1.2.3.6 to 1.2.3.7.

Section 01 78 00 – Closeout Submittals (DTW Request)

- Delete sentence 1.7.7 and replace with the following:
 - .7 At completion of project, provide all recorded information on print drawings. Transfer recorded information to AutoCAD files in DWG format. Submit DWG files, also with electronic files in PDF format as part of the Closeout Submittals.

Section 01 91 13 – Commissioning (Cx) Requirements (DTW Request)

- Add the following sentence 1.19.3:
 - .3 Provide all Arc Flash Personal Protective Equipment as required. Provide commissioning personnel with the appropriate Arc Flash Protection training.
- Sentence 1.22.4, delete words “5 days “and replace with five (5) working days”.

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

- Add the following sentence 3.2:

3.2 Removal of Hazardous Wastes

- .1 Remove contaminated or dangerous materials defined by authorities having jurisdiction, relating to environmental protection, from site and dispose of in safe manner to minimize danger at site or during disposal.

- Renumber 3.2 to 3.3.
- Renumber 3.3 to 3.4.
- Renumber 3.4 to 3.5.

Section 02 41 16 – Structure Demolition (DTW Request)

- Sentence 3.6.1, delete words “24 hours” and replace with “two (2) working days”.

Section 02 82 00.02 – Asbestos Abatement (NMS Update)

- Add the following sentence 1.4.15:

.15 Competent person: in relation to specific work, means a worker who:

- .1 Is qualified because of knowledge, training and experience to perform the work.
- .2 Is familiar with the provincial and federal laws and with the provisions of the regulations that apply to the work.
- .3 Has knowledge of all potential or actual danger to health or safety in the work.

- Add the following sentence 1.4.16:

.16 Non-Friable Material: material that when dry cannot be crumbled, pulverized or powdered by hand pressure.

- Sentence 1.11.1, delete words “ten (10) days” and replace with “ten (10) working days”.

Section 03 10 00 – Concrete Forming and Accessories (DTW Request)

- Delete sentence 1.2.1.5

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

- Delete sentence 1.2.3.1 and replace with the following:
 - .1 CSA A23.1/A23.2, Concrete Materials and Methods of Concrete Construction/Test Methods and Standard Practices for Concrete.
- Delete sentence 1.2.3.2 and replace with the following:
 - .2 CSA G30.18, Carbon Steel Bars for Concrete Reinforcement.
- Delete sentence 1.2.4 and replace with the following:
 - .4 Environmental Choice Program (ECP)
 - .1 CCD-016, Thermal Insulation Materials.
 - .2 CCD-045, Sealants and Caulking Compounds.

Section 03 20 00 – Concrete Reinforcing (NMS Update)

- Delete sentence 1.2.1 and replace with the following:
 - .1 American Concrete Institute (ACI)
 - .1 SP-66, ACI Detailing Manual, 2004.
- Add the following sentence 1.2.2.3:
 - .2 ASTM A1022/A1022M, Standard Specification for Deformed and Plain Stainless Steel Wire and Welded Wire for Concrete Reinforcement.
- Delete sentence 1.2.3.3 and replace with the following:
 - .3 CSA-G30.18, Carbon Steel Bars for Concrete Reinforcement.
- Add the following sentence 1.2.4:
 - .4 Reinforcing Steel Institute of Canada (RSIC)
 - .1 RSIC, Reinforcing Steel Manual of Standard Practice.
- Sentence 1.3.1, delete words “ANSI/ACI 315 and ACI 315R, Manual of Engineering and Placing Drawings for Reinforced Concrete Structure” and replace with “SP-66, ACI Detailing Manual, 2004, American Concrete Institute”.

- Add the following sentence 1.3.3:
 - .3 Submit drawings stamped and signed by professional engineer registered or licensed in the Province of Newfoundland and Labrador.
- Sentence 2.2.1, delete word “ACI315” and replace with “SP-66”.

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

- Delete sentence 1.3.3.2.
- Delete sentence 2.1.9 and replace with the following:
 - .9 Polyethylene film: minimum 0.25 mm thickness to ASTM C171.
- Sentence 3.1.1, delete words “24 h” and replace with “two (2) working days”.

Section 03 35 05 – Concrete Floor Hardeners (NMS Update)

- Delete sentence 3.1.1 and replace with the following:
 - .1 Verify that slab surfaces are acceptable for concrete hardener and curing compound application installation in accordance with manufacturer's written instructions.
 - .1 Visually inspect slab in presence of Owner’s Representative.
 - .2 Inform Owner’s Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Owner’s Representative.
- Add the following sentence 3.3.2:
 - .2 Repair damage to adjacent materials caused by concrete floor hardener installation.

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

- Sentence 1.2.2.1, delete words “Hot and”.
- Sentence 1.5.5, delete words “48 hrs” and replace with “two (2) working days”.
- Add the following sentence 1.6.5:
 - .5 Replace defective or damaged materials with new.

- Add the following sentence 1.7.1.1.3:
 - .3 Maintain temperature of masonry above 0° C for minimum of 3 days, after mortar is installed.
- Add the following sentence 1.7.1.1.4:
 - .4 Preheat unheated wall sections in enclosure for minimum 72 hours above 10° C, before applying mortar.
- Add the following sentence 3.2.3:
 - .3 Establish and protect lines, levels, and coursing.
- Renumber 3.2.3 to 3.2.4.
- Add the following to sentence 3.3.2: “respecting construction tolerances permitted by CAN/CSA-A371”.
- Sentence 3.4.1.1, delete words “Clause 82.1”.
- Sentence 3.4.2.2, delete words “SPEC NOTE: Use the following paragraph to specify flush joints”. “

Section 04 05 12 – Masonry Mortar and Grout *(NMS Update)*

- Add the following sentence 3.1:
 - 3.1 Examination
 - .1 Verify that conditions of substrate are acceptable for masonry installation in accordance with manufacturer's written instructions.
 - .2 Visually inspect substrate in presence of Owner's Representative.
 - .3 Inform Owner's Representative of unacceptable conditions immediately upon discovery.
 - .4 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Owner's Representative.
- Renumber 3.1 to 3.2.
- Renumber 3.2. to3.3.
- Renumber 3.3 to 3.4.

- Renumber 3.4 to 3.5.
- Renumber 3.5 to 3.6.
- Renumber 3.6 to 3.7.

Section 04 05 19 – Masonry Anchorage and Reinforcing (NMS Update)

- Delete sentence 1.2.1.4 and replace with the following:
 - .4 CSA G30.18, Carbon Steel Bars for Concrete Reinforcement.
- Delete sentence 1.2.1.5 and replace with the following:
 - .5 CSA S304.1, Design of Masonry Structures.
- Add the following sentence 1.2.2:
 - .2 Reinforcing Steel Institute of Canada (RSIC)
 - .1 Reinforcing Steel Manual of Standard Practice.
- Add the following sentence 1.4:
 - 1.4 Site Measurements
 - .1 Make site measurements necessary to ensure proper fit of members.
- Sentence 2.1.2, delete words “CSA G30.14” and replace with “CSA S304.1”.
- Sentence 2.1.4, delete words “CSA-S304” and replace with “CSA S304.1”.
- Add the following to sentence 2.2.1: “and Reinforcing Steel Manual of Standard Practice by the Reinforcing Steel Institute of Canada”.
- Sentence 3.3.1, delete words “CSA-S304” and replace with “CSA S304.1”

Section 04 21 13 – Brick Masonry (NMS Update)

- Delete sentence 1.2.1.1 and replace with the following:
 - .1 ASTM C216, Standard Specification for, Facing Brick (Solid Masonry Units Made of Clay or Shale).

Section 04 22 00 – Concrete Unit Masonry (NMS Update)

- Sentence 1.4.1.3, delete words “24 hours” and replace with “two (2) working days”.

- Add the following sentence 1.6:

1.6 Delivery, Storage and Handling

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
 - .1 Offload concrete unit masonry packages using equipment that will not damage the surfaces.
 - .2 Do not use brick tongs to move or handle masonry.
- .3 Storage and Handling Requirements:
 - .1 Store materials off ground, in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Do not double stack cubes of concrete unit masonry.
 - .3 Cover masonry units with non-staining waterproof membrane covering.
 - .4 Allow air circulation around units.
 - .5 Installation of wet or stained masonry units is prohibited.
 - .6 Keep concrete unit masonry in individual cardboard packaging provided by manufacturer until units are ready to be installed.
 - .7 Store and protect concrete unit masonry from nicks, scratches, and blemishes.
 - .8 Replace defective or damaged materials with new.

- Sentence 2.1.1, delete words “CAN3” and replace with “CAN/CSA”.

- Sentence 2.1.2, delete words “CAN3” and replace with “CAN/CSA”.

Section 04 23 00 – Glass Unit Masonry (NMS Update)

- Add the following sentence 1.2.1.1:

- .1 ASTM A123/A123M, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

- Renumber 1.2.1.1 to 1.2.1.2.

- Delete sentence 1.2.3.4.

- Renumber 1.2.3.5 to 12.3.4.
- Sentence 1.5.1.3, delete words “24 hours” and replace with “two (2) working days”.
- Sentence 2.2.3, delete words “CAN/CSA-G164” and replace with “ASTM A123/A123M”.
- Sentence 3.4.4.1, delete word “07 92 10” and replace with “07 92 00”.

Section 05 21 00 – Steel Joist Framing *(DTW Request)*

- Sentence 2.3.2, add words “and Sp7”.

Section 05 41 00 – Structural Metal Steel Framing *(NMS Update)*

- Add the following sentence 1.2.1.1:
 - .1 ASTM A123/A123M, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- Renumber 1.2.1.1 to 12.1.2.
- Renumber 1.2.1.2 to 1.2.1.3.
- Delete sentence 1.2.2.1.
- Renumber 1.2.2.2 to 1.2.2.1; delete sentence and replace with the following:
 - .1 CSA W55.3, Certification of Companies for Resistance Welding of Steel and Aluminum.
- Renumber 1.2.2.3 to 1.2.2.2.
- Renumber 1.2.2.4 to 1.2.2.3.
- Sentence 1.2.4.1, delete word “52M” and replace with “50M”.
- Sentence 1.2.4.2, delete word “55-04” and replace with “S5”.
- Add the following sentence 1.2.4.3:
 - .3 CSSBI Fact Sheet #3, Care and Maintenance of Prefinished Sheet Steel Building Products.

- Add the following sentence 1.2.4.4:
 - .4 CSSBI Technical Bulletin Vol. 7, No. 2, Changing Standard Thicknesses for Canadian Lightweight Steel Framing Applications.
- Sentence 2.1.7, delete words “CAN/CSA-G164” and replace with “ASTM A123/A123M”.

Section 05 51 29 – Metal Stairs and Ladders (Consultant Request)

- Delete sentence 2.4.1 and replace with the following:
 - .1 Construct balusters and handrails from steel pipe or steel tubing.
- Delete sentence 2.5.1 and replace with the following:
 - .1 Construct bar balustrades as follows:
 - .1 Balusters: 25 x 25 mm bar.
 - .2 Top rail: 30 x 10 mm bar.
 - .3 Bottom rail: 25 x 10 mm bar.
 - .4 Pickets: 12 x 12 mm bar at 100 mm on centre.

Section 06 10 00 – Rough Carpentry (NMS Update)

- Delete sentence 1.2.1.1 and replace with the following:
 - .1 ASTM A123/A123M, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- Add the following sentence 1.2.1.2:
 - .2 ASTM A653/A653M, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvanealed) by the Hot-Dip Process.
- Renumber 1.2.1.2 to 1.2.1.3.
- Add the following sentence 1.2.1.4:
 - .4 ASTM C1396/C1396M, Standard Specification for Gypsum Board.
- Renumber 1.2.1.3 to 1.2.1.5.
- Delete sentence 1.2.3.4.
- Delete sentence 1.2.3.5, renumber to 1.2.3.4, and replace with the following:

.4 CSA O112.9, Evaluation of Adhesives for Structural Wood Products (Exterior Exposure).

- Renumber 1.2.3.6 to 1.2.3.5.
- Renumber 1.2.3.7 to 1.2.3.6.
- Renumber 1.2.3.8 to 1.2.3.7.
- Renumber 1.2.3.9 to 1.2.3.8.
- Sentence 2.3.5, delete words “O112 Series” and replace with “O112.9”.
- Sentence 2.4.1, delete words “CAN/CSA-G164” and replace with “ASTM A123/A123M, ASTM A653”.

Section 06 40 00 – Architectural Woodwork (DTW Request)

- Sentence 1.5.3, delete words “24 hours” and replace with “two (2) working days”.

Section 07 13 26 – Self Adhered Sheet Waterproofing (DTW Request)

- Sentence 1.6.5, delete words “48 hours” and replace with “two (2) working days”.
- Sentence 3.3.9, delete words “48 hours” and replace with “two (2) working days”.

Section 07 21 13 – Board Insulation (NMS Update)

- Delete sentence 1.2.2 and replace with the following:

.2 Canadian Standards Association (CSA)

.1 CSA B149 PACKAGE, Consists of B149.1, Natural Gas and Propane Installation Code and B149.2, Propane Storage and Handling Code.

- Sentence 3.2.4, delete word “CAN/CGA-B149.1” and replace with “CSA B149.1”; delete word “CAN/CGA-B149.2” and replace with “CSA B149.2”.

Section 07 21 16 – Blanket insulation (NMS Update)

- Delete sentence 1.2.2.
- Renumber 1.2.3 to 1.2.2; add the following sentence 1.2.2.2:

.3 CSA B149 PACKAGE, Consists of B149.1, Natural Gas and Propane Installation Code and B149.2, Propane Storage and Handling Code.

- Renumber 1.2.4 to 1.2.3.
- Sentence 3.2.4, delete word “CAN/CGA-B149.1” and replace with “CSA B149.1”; delete word “CAN/CGA-B149.2” and replace with “CSA B149.2”.

Section 07 21 23 – Loose Fill Insulation (NMS Update)

- Add the following sentence 1.3.3:

.3 Canadian Standards Association (CSA)

.1 CSA B149 PACKAGE, Consists of B149.1, Natural Gas and Propane Installation Code and B149.2, Propane Storage and Handling Code.

- Sentence 3.2.5, delete word “CAN/CGA-B149.1” and replace with “CSA B149.1”; delete word “CAN/CGA-B149.2” and replace with “CSA B149.2”.

Section 07 21 29.03 – Sprayed Insulation – Polyurethane Foam (DTW Request)

- Sentence 1.5.3, delete words “24 hours” and replace with “two (2) working days”.

Section 07 26 00 – Vapour Retarders (DTW Request)

- Sentence 1.4.3, delete words “24 hours” and replace with “two (2) working days”.

Section 07 27 00.01 – Air Barriers – Descriptive or Proprietary (DTW Request)

- Sentence 1.7.5, delete words “48 hours” and replace with “two (2) working days”.

- Add the following sentence 2.1.2:

.2 Sheet Seal: Self-Adhered Elastomeric Film Air Vapour Barrier Membrane with high tack acrylic adhesive, nominal total thickness of 0.25 mm. Primer not required on most construction surfaces.

.1 Membrane Physical Properties:

.1	Application	min -18° C
.2	Service Temperature	-40° C to 80 C°
.3	Elongation	ASTM D882 - min 700%
.4	Tensile strength	min 12 Mpa
.5	Water vapour transmission	8 ng/Pa.s.m ² (0.14 perms)
.6	Moisture Absorption	0.1%

.7	Air Leakage at 75 Pa	0.01 L/Sm ²
.8	Air Leakage of the 3000 Pa test	No change

- Delete sentence 3.3.2 and replace with the following:
 - .2 Over the properly prepared substrate surface apply primer, as per manufacturer's recommendations, with a roller and allow drying to a tacky surface. Prime only area to be covered in a working day. Reprime area not covered with membrane within 24 hours.
- Sentence 3.3.9, delete words "48 hours" and replace with "two (2) working days".
- Sentence 3.4.8, delete words "48 hours" and replace with "two (2) working days".
- Sentence 3.5.9, delete words "48 hours" and replace with "two (2) working days".
- Sentence 3.8.3, delete words "48 hours" and replace with "two (2) working days".

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

- Add the following sentence 1.2.1:
 - .1 American National Standards Institute (ANSI)
 - .1 ANSI A135.6, Hardboard Siding Standard.
- Renumber 1.2.1 to 1.2.2.
- Renumber 1.2.2 to 1.2.3.
- Add the following sentence 1.2.4:
 - .4 National Lumber Grading Authority (NLGA)
- Renumber 1.2.3 to 1.2.4.1.

Section 07 52 00 – Modified Bituminous Roofing (DTW Update)

- Sentence 1.11.3, delete words "48 hours" and replace with "two (2) working days".

Section 07 81 00 – Applied Fireproofing (DTW Update)

- Delete Section 07 81 00 in its entirety and replace with new Section 07 81 00 attached.

Section 07 84 00 – Firestopping (DTW Update)

- Sentence 1.6.3, delete words “48h” and replace with “two (2) working days”.

Section 07 92 00 – Joint Sealants (DTW Update)

- Delete Section 07 92 00 in its entirety and replace with new Section 07 92 00 attached.

Section 07 95 13 – Expansion Joint Cover Assemblies (NMS Request)

- Add the following sentence 1.3.5:

 .5 Design exterior expansion joint cover assemblies to accommodate joint movements within service temperature range of -35 degrees C to 65 degrees C.

Section 08 44 13 – Glazed Aluminum Curtain Walls (DTW Update)

- Sentence 1.7.4, delete words “24 hours” and replace with “two (2) working days”.

Section 08 51 13 – Aluminum Windows (DTW Update)

- Sentence 1.7.3, delete words “48 hours” and replace with “two (2) working days”.
- Delete sentence 2.2.3 and replace with the following:

 .3 Energy ratings: windows to be Energy Star certified to Natural Resources Canada Climate Zones for various regions of Newfoundland and Labrador as follows:
 .1 Island Region (Except the northern part Northern Peninsula)
 .1 Zone 2 (≥ 3500 to < 6000 HDDs)
 .2 Northern part of Northern Peninsula and all of Labrador
 .1 Zone 3 (≥ 6000 HDDs)
- Sentence 3.4.4, delete words “48 hours” and replace with “two (2) working days”.

Section 08 53 13 – Vinyl Windows (DTW Update)

- Delete sentence 2.2.3 and replace with the following:

- .3 Energy ratings: windows to be Energy Star certified to Natural Resources Canada Climate Zones for various regions of Newfoundland and Labrador as follows:
 - .1 Island Region (Except the northern part Northern Peninsula)
 - .1 Zone 2 (≥ 3500 to < 6000 HDDs)
 - .2 Northern part of Northern Peninsula and all of Labrador
 - .1 Zone 3 (≥ 6000 HDDs)

- Sentence 3.3.4, delete words “48 hours” and replace with “two (2) working days”.

Section 08 54 13 – Fiberglass Windows (DTW Update)

- Delete sentence 2.2.3 and replace with the following:

- .3 Energy ratings: windows to be Energy Star certified to Natural Resources Canada Climate Zones for various regions of Newfoundland and Labrador as follows:
 - .1 Island Region (Except the northern part Northern Peninsula)
 - .1 Zone 2 (≥ 3500 to < 6000 HDDs)
 - .2 Northern part of Northern Peninsula and all of Labrador
 - .1 Zone 3 (≥ 6000 HDDs)

- Sentence 3.3.4, delete words “48 hours” and replace with “two (2) working days”.

Section 08 62 11 – Glazed Aluminum Skylights (DTW Update)

- Sentence 1.7.3, delete words “24 hours” and replace with “two (2) working days”.

Section 08 71 00 – Door Hardware (DTW Update)

- Delete Section 08 71 00 in its entirety and replace with new Section 08 71 00 attached.

Section 08 80 50 – Glazing (DTW Update)

- Sentence 1.6.6, delete words “24 hours” and replace with “two (2) working days”.

Section 09 21 16 – Gypsum Board Assemblies (DTW Update)

- Sentence 1.7.3, delete words “24 hours” and replace with “two (2) working days”.

Section 09 30 13 – Ceramic Tiling (DTW Update)

- Sentence 1.8.2, delete words “24 hours” and replace with “two (2) working days”.

Section 09 30 15 – Quarry and Paver Tiling (DTW Update)

- Sentence 1.7.2, delete words “24 hours” and replace with “two (2) working days”.

Section 09 51 13 – Acoustical Panel Ceilings (DTW Update)

- Sentence 1.5.4, delete words “24 hours” and replace with “two (2) working days”.

Section 09 65 16 – Resilient Sheet Flooring (DTW Update)

- Delete sentence 1.2.1.1 and replace with the following:
 - .1 ASTM F2034, Standard Specification for Sheet Linoleum Floor Covering.
- Delete sentence 1.6.1 and replace with the following:
 - .1 Maintain air temperature and structural base temperature at flooring installation area at 18° C to 30° C for 48 hours before, during and for 72 hours after installation, and at a relative humidity not greater than 60%.
- Add the following sentence 1.6.2:
 - .2 After installation, gradually lower temperature of room over a 72 hour period. Temperature of room should never go below 1° C.
- Sentence 1.8.2, delete words “24 hours” and replace with “two (2) working days”.
- Add the following sentence 3.6.3:
 - .3 Do not expose newly installed flooring to rolling load traffic for at least 72 hours after installation to allow setting and drying of the adhesive.

Section 09 65 20 – Safety Sheet Flooring (DTW Update)

- Sentence 1.8.2, delete words “24 hours” and replace with “two (2) working days”.

Section 09 72 16 – Vinyl-Coated Fabric Wall Covering (DTW Update)

- Sentence 1.4.3, delete words “48 hours” and replace with “two (2) working days”.

Section 09 80 00 – Acoustical Treatment (DTW Update)

- Sentence 1.4.5, delete words “24 hours” and replace with “two (2) working days”.

Section 09 91 13 – Exterior Painting (DTW Update)

- Sentence 1.5.1, delete words “48 hours” and replace with “two (2) working days”.

Section 09 91 13.01 – Exterior Re-Painting (DTW Update)

- Sentence 1.6.1, delete words “48 hours” and replace with “two (2) working days”.

Section 09 91 23 – Interior Painting (DTW Update)

- Sentence 1.5.1, delete words “48 hours” and replace with “two (2) working days”.

Section 09 91 23.01 – Interior Re-Painting (DTW Update)

- Sentence 1.6.1, delete words “48 hours” and replace with “two (2) working days”.

Section 10 14 10 – Signage (NMS Update)

- Sentence 1.2.3.2, delete words “(Metal Arc Welding)”.
- Sentence 2.1.10, delete words “CAN/CGSB-1.108, type 2” and replace with “MPI, EXT 5.4D”.

Section 10 14 43 – Photoluminescent (PLM) Exit Signs (DTW Update)

- Add new section.

Section 10 14 53 – Traffic Signage (NMS Update)

- Delete sentence 1.2.3.5.
- Delete sentence 1.2.3.6.
- Renumber 1.2.3.7 to 1.2.3.5.
- Renumber 1.2.3.8 to 1.2.3.6.
- Renumber 1.2.3.9 to 1.2.3.7.
- Add the following sentence 1.2.4:

.4 The Master Painters Institute (MPI)

.1 Architectural Painting Specification Manual.

- Sentence 2.1.1.1, delete words “4.0 m long” and replace with “length as indicated”; delete words “minimum zinc coating g/m”.
- Sentence 2.1.2.8, delete words “CAN/CGSB-1.132” and replace with “to MPI # 8”.
- Sentence 2.2.2.1.4, delete words “CAN/CGSB-1.104” and replace with “MPI-EXT 5.4A”.

Section 10 21 13.13 – Metal Toilet Compartments *(DTW Request/NMS Update)*

- Delete sentence 1.4.1 and replace with the following:
 - .1 Construct mock-ups in accordance with Section 01 45 00 - Quality Control.
- Sentence 1.4.3, delete words “24 hours” and replace with “two (2) working days”.
- Sentence 2.1.2, delete words “ASTM A480” and replace with “ASTM A480/480M”.
- Sentence 2.2.1.5, delete word “90E” and replace with “90°”.
- Add the following sentence 2.2.1.6:
 - .6 Emergency access feature.
- Sentence 3.3.1.8, add words “and grab bars”.

Section 10 21 13.19 – Plastic Toilet Compartments *(NMS Update)*

- Delete sentence 1.2.1.1 and replace with the following:
 - .1 ASTM A480/A480M, Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting, Sheet, and Strip.
- Sentence 1.2.3.1, delete word “CAN”; delete words “Barrier-Free Design” and replace with “Accessible Design for the Built Environment”.
- Sentence 2.1.4, delete words “ASTM A167” and replace with “ASTM A480/A480M”.
- Add the following sentence 2.2.1.6:
 - .6 Emergency access feature.

- Sentence 3.1.2, delete word “CAN”.
- Sentence 3.2.1.7, delete word “30E” and replace with “30”.
- Sentence 3.2.1.8, delete words “CAN/CSA-B651, Barrier Free Design” and replace with “CSA-B651, Accessible Design for the Built Environment”.
- Sentence 3.2.1.9, add words “and grab bars”.

Section 10 22 26.13 – Accordion Folding Partitions (NMS Update)

- Delete sentence 1.2.2.1 and replace with the following:
 - .1 CAN/ULC-S102.2, Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies.
- Sentence 1.3.2.3, delete word “CAN/ULC-S102” and replace with “CAN/ULC-S102.2”.

Section 10 51 13 – Metal Lockers (NMS Update)

- Add the following sentence 3.3:
 - 3.3 ADJUSTING
 - .1 Adjust metal lockers for correct function and operation in accordance with manufacturer's written instructions.
 - .2 Lubricate moving parts to operate smoothly and fit accurately.

Section 11 31 00 – Residential Appliances (DTW Request)

- Delete Section 11 31 00 in its entirety and replace with new Section 11 31 00 attached.

Section 12 21 13 – Horizontal Louvre Blinds (NMS Update)

- Add the following sentence 3.2:
 - 3.2 Adjusting
 - .1 Adjust horizontal louvre blinds components for correct function and operation in accordance with manufacturer's written instructions.
 - .2 Lubricate moving parts to operate smoothly and fit accurately.

- Renumber 3.2 to 3.3.

Section 12 22 00 – Curtains and Drapes (DTW Update)

- Sentence 1.5.3, delete words “48 hours” and replace with “two (2) working days”.

Section 12 59 13 – Panel Hung Component System Furniture (DTW Request)

- Sentence 1.4.4, delete words “Section 7” and replace with “Section 8”.

Section 14 42 13 – Inclined Wheelchair Lifts (DTW Request)

- Sentence 1.5.2, delete words “4 days of school opening” and replace with “4 days of building occupancy”.

Section 14 43 21 – Platform Lifts – Hydraulic (NMS Update)

- Delete sentence 1.2.2.3 and replace with the following:
 - .3 ASME A17.1/CSA B44, Safety Code for Elevators and Escalators (Bi-National standard, with ASME A17.1).

Section 21 13 13 – Wet Pipe Sprinkler Systems (DTW Update)

- Sentence 3.8.1.4.2, delete words “15 days” and replace with “fifteen (15) working days”.

Section 22 13 19 – Drainage Waste and Vent Piping – Corrosion Resistant (Supplier Request)

- Delete Section 22 13 19 in its entirety and replace with new Section 22 13 19 attached.

Section 22 15 00 – General Service Compressed Air Systems (DTW Update)

- Sentence 3.7.3, delete words “3 days” and replace with “three (3) working days”.

Section 22 42 03 – Commercial Washroom Fixtures (NMS Update)

- Sentence 2.2.1.12.1.17, delete word “clod” and replace with “cold”.

Section 23 05 05 – Installation of Pipework (DTW Request)

- Sentence 1.2.4, delete words “Engineer/Architect” and replace with “Owner’s Representative”.

- Sentence 3.12.2, delete words “10 days” and replace with “ten (10) working days”.

Section 23 05 23.01 – Valves – Bronze (DTW Request)

- Sentence 2.2.1.8, delete word “Glass” and replace with “Class”.
- Sentence 2.3.1.8, delete word “Glass” and replace with “Class”.
- Sentence 2.4.1.3, delete word “Glass” and replace with “Class”.

Section 23 05 53.01 – Mechanical Identification (DTW Request)

- Sentence 1.6.2.2, delete words “Engineer/Architect” and replace with “Owner’s Representative”.

Section 23 05 93 – Testing, Adjusting and Balancing for HVAC (DTW Update)

- Sentence 1.9.1, delete words “7 (seven) days” and replace with “seven (7) working days”.

Section 23 05 94 – Pressure Testing of Ducting Air Systems (DTW Update)

- Sentence 1.4.2.2, delete words “24 hours” and replace with “two (2) working days”.

Section 23 08 01 – Performance Verification Mechanical Piping Systems (DTW Update)

- Sentence 1.4.2.1, delete words “48 hours” and replace with “two (2) working days”.

Section 23 09 33 – Electric and Electronic Control Systems for HVAC (DTW Request)

- Sentence 2.1.1.2, delete words “5EC to 30EC” and replace with “5° C to 30° C”.
- Sentence 2.1.1.3, delete words “5EC to 30EC” and replace with “5° C to 30° C”.
- Sentence 2.1.1.5, delete word “1.1EC” and replace with “1.1° C”.
- Sentence 2.2.1.2, delete words “5EC to 30EC” and replace with “5° C to 30° C”.
- Sentence 2.2.1.3, delete words “5EC to 30EC” and replace with “5° C to 30° C”.
- Sentence 2.2.1.5, delete word “1.1EC” and replace with “1.1° C”.

- Sentence 2.3.1.2, delete words “5EC to 30EC” and replace with “5° C to 30° C”.
- Sentence 2.3.1.4, delete words “5EC to 30EC” and replace with “5° C to 30° C”.
- Sentence 2.3.1.5, delete word “25EC” and replace with “25° C”.
- Sentence 2.4.1.3, delete words “10EC to 25EC” and replace with “10° C to 25° C”.
- Sentence 2.8.1.4, delete words “0EC to 15EC” and replace with “0° C to 15° C”.
- Sentence 2.9.1.4, delete word “50EC” and replace with “50° C”.
- Sentence 2.10.1, delete word “82EC” and replace with “82° C”.
- Sentence 2.10.2, delete word “121EC” and replace with “121° C”; delete words “0 EC to 82 EC” and replace with 0° C and 82° C”.

Section 23 11 13 – Facility Fuel-Oil Piping *(DTW Update)*

- Sentence 3.6.2.4, delete words “3 days” and replace with “three (3) working days”.

Section 23 11 23 – Facility Natural Gas Piping *(DTW Update)*

- Sentence 3.4.3, delete words “3 days” and replace with “three (3) working days”.

Section 23 21 13.33 – Ground-Loop Heat-Pump Piping *(DTW Request)*

- Sentence 1.4.2.4, delete words “piping manufacturing” and replace with “piping manufacturer”.
- Sentence 1.4.3.2, delete words “vertical boreholes” and replace with “ground loop heat pump piping”.
- Delete sentence 1.4.4 and replace with the following:
 - .4 IGSHPA Installation Manuals: Maintain one copy on site for review.
- Add the following sentence 1.4.5:
 - .5 CSA C448-02: Maintain one copy on site for review.

- Sentence 1.7.1, delete word “engineer” and replace with “Owner’s Representative”; delete words “2 (two) days” and replace with “two (2) working days”.
- Sentence 1.8.1, add words “from date of Substantial Completion”.
- Sentence 1.8.2, add words “from date of Substantial Completion”.
- Sentence 2.2.2.1, delete word “moire” and replace with “more”.
- Delete sentence 3.1.2.
- Renumber 3.1.3 to 3.1.2.
- Renumber 3.1.4 to 3.1.3.
- Renumber 3.1.5 to 3.1.4.
- Renumber 3.1.6 to 3.1.5.
- Renumber 3.1.7 to 3.1.6.
- Renumber 3.1.8 to 3.1.7.
- Renumber 3.1.9 to 3.1.8.
- Newly renumbered Sentence 3.1.8, delete words “24 hours” and replace with “two (2) working days”.
- Sentence 3.3.3.1, delete word “vertical”.

Section 23 23 00 – Refrigerant Piping *(DTW Update)*

- Sentence 3.6.9.4, delete words “3 days” and replace with “three (3) working days”.

Section 23 32 48 – Acoustical Air Plenums *(DTW Update)*

- Sentence 3.3.1.3, delete words “24 h” and replace with “two (2) working days”.
- Sentence 3.3.2.3, delete words “3 days” and replace with “three (3) working days”.
- Sentence 3.4.2, delete words “24 h” and replace with “two (2) working days”.

Section 23 33 00 – Air Duct Accessories (DTW Update)

- Sentence 3.3.1.4, delete words “3 days” and replace with “three (3) working days”.

Section 23 33 16 – Dampers-Fire and Smoke (DTW Request)

- Sentence 2.2.5, delete words “74 EC” and replace with “74° C”.
- Sentence 2.4.3, delete words “74 EC” and replace with “74° C”.

Section 23 36 00 – Air Terminal Units (DTW Request)

- Sentence 1.7.1.2.3, delete words “SPEC NOTE: Insert list of required samples and mock-ups”. “

Section 23 52 00 – Heating Boilers (DTW Request)

- Sentence 2.1.9, delete words “3 days” and replace with “three (3) working days”.
- Sentence 2.4.8.9.2.9, delete words “Department of Government Services” and replace with “Service NL”.
- Sentence 3.4.1.2, delete words “72 h” and replace with “two (2) working days”.

Section 23 72 00 – Air-to-Air Energy Recovery Equipment (DTW Request)

- Sentence 2.2.4, delete word “twp” and replace with “two”.

Section 23 73 10 – Air Handling – Built-Up (DTW Request)

- Sentence 2.4.1.7, delete words “Division 16 Requirements” and replace with “Division 26”.

Section 23 74 00 – Packaged Outdoor HVAC Equipment (DTW Update)

- Sentence 3.3.2, delete words “3 days” and replace with “three (3) working days”.

Section 23 83 13 – Radiant Heating Electric Cables (DTW Request)

- Sentence 3.4, delete word “NSTALLATION” and replace with “INSTALLATION”.

Section 23 84 13 – Humidifiers (DTW Update)

- Sentence 3.3.1.4, delete words “3 days” and replace with “three (3) working days”.

Section 25 01 12 – EMCS: Training (DTW Request)

- Sentence 1.11.1, delete words “Engineer/Architect” and replace with “Owner’s Representative”.

Section 25 05 01 – EMCS: General Requirements (DTW Update)

- Sentence 1.7.2.1, delete words “10 days” and replace with “ten (10) working days”.
- Sentence 1.8.6, delete words “24 hours” and replace with “two (2) working days”.

Section 25 08 20 – EMCS: Warranty and Maintenance (DTW Request)

- Sentence 3.1.1, delete words “Engineer/Architect” and replace with “Owner’s Representative”.
- Sentence 3.1.4.4, delete words “Engineer/Architect” and replace with “Owner’s Representative”.

Section 25 30 03 – EMCS: Variable Frequency Drives (to 600 Volts) (DTW Request)

- Sentence 3.2.1, delete words “Section 01 81 00 Commissioning” and replace with “Section 01 91 13 – Commissioning (Cx) Requirements”.

Section 26 05 00 – Common Work Results – Electrical (DTW Request)

- Sentence 1.5.5.3, delete words “PART 3 - LOAD BALANCE” and replace with “sentence 3.4.6”.
- Sentence 1.5.6, delete words “delete words “7 days” and replace with “seven (7) working days””; delete words “PART 3 - FIELD QUALITY CONTROL” and replace with “paragraph 3.6 – FIELD QUALITY CONTROL”.
- Add the following sentence 1.5.8:
 - .8 The electrical contractor shall supply an arc-flash study of the building’s entire distribution system, to be performed by the successful electrical equipment supplier. The contractor shall furnish the supplier with distances, wire lengths and transformer shop drawings as required. Supply also stick-on labels for all equipment, identifying the arc-flash hazard

rating of each distribution board and panelboard. Such labelling shall meet CSA Z462. Supply one full set of Personal Protective Equipment required for each identified hazard rating in the arc-flash study. The arc-flash study shall be submitted with the electrical distribution equipment shop drawings. The electrical distribution equipment shop drawings will not be reviewed until the arc-flash study is received.

Section 26 05 21 – Wire and Cables (0-1000V) (DTW Request)

- Sentence 2.5.2, delete word “-40EC” and replace with “-40° C”.
- Add the following sentence 3.1.4:
 - .4 No splices permitted in panelboard feeders in new construction. Splices in re-work or renovation projects only with pre-approval by Owner’s Representative.

Section 26 09 23.02 – Lighting Control Devices – Photoelectric (DTW Request)

- Sentence 2.1.4, delete “40EC” and replace with “40° C”.

Section 26 29 10 – Motor Starters to 600 V (DTW Request)

- Delete sentence 1.3 and replace with the following:
 - 1.3 Submittals
 - .1 Submit shop drawings to indicate:
 - .1 Mounting method and dimensions.
 - .2 Starter size and type.
 - .3 Layout of identified internal and front panel components.
 - .4 Enclosure types.
 - .5 Wiring diagram for each type of starter.
 - .6 Interconnection diagrams.
 - .2 For factory manufactured motor starters, submit shop drawings from a manufacturer certified by CSA, IEC or CUL.
 - .3 For custom/built assembled motor starters/control panels, submit shop drawings and control diagrams from a CSA certified Control Panel Supplier.

Section 27 05 14 – Communication Cables – Inside Buildings (DTW Request)

- Delete Section 27 05 14 in its entirety and replace with new Section 27 05 14 attached.

Section 27 11 19 – Structured Cabling for Communications Systems (DTW Request)

- Delete Section 27 11 19 in its entirety and replace with new Section 27 11 19 attached.

Section 27 11 20 – Terminals and Connectors for Communications Conductors – Entrance Facility (DTW Request)

- Sentence 3.2, delete word “CABLES” and replace with “CABLE”.

Section 27 20 00 – Data Communications (DTW Request)

- Delete Section 27 20 00 in its entirety and replace with new Section 27 20 00 attached.

Section 27 51 26 – Assistive Listening Systems (DTW Update)

- Sentence 1.3.2, delete words “10 days” and replace with “ten (10) working days”.

Section 27 53 25 – Closed Circuit Television (DTW Update)

- Sentence 3.3.1, delete words “four full days” and replace with “four (4) working days”.

Section 27 54 01 – Sustainability Management System Public Interface (Windows on the World) (DTW Request)

- Delete sentence 2.1.3 and replace with the following:

 .3 Substitutions are permitted, subject to the requirements as indicated in Section 01 61 00 – Common Product Requirements.

Section 28 13 00 – Intrusion Detection (Form 2) (DTW Request)

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

Section 28 16 00 – Intrusion Detection (Form 1) (DTW Request)

- Sentence 3.3.1.4, delete words “3 days” and replace with “three (3) working days”; delete word “Consultant” and replace with “Owner’s Representative”.

Section 28 23 00 – Video Surveillance (DTW Request)

- Sentence 3.3.1.4, delete words “3 days” and replace with “three (3) working days”; delete words “Architect/Engineer” and replace with “Owner’s Representative”.

Section 31 00 00.01 – Earthwork and related Work (NMS Update)

- Sentence 1.1.2.2, and replace with the following:
 - .2 CSA A3000, Cementitious Materials Compendium.
- Delete sentence 1.1.2.3.
- Sentence 2.1.3.5, delete words “CAN/CSA-A3001” and replace with “CSA A3000”.
- Add the following sentences 3.3.1 and 3.3.2:
 - .1 Shore and brace excavations, protect slopes and banks and perform work in accordance with Provincial regulations.
 - .2 Perform blasting in accordance with Provincial regulations: repair damage as directed by Owner’s Representative.
- Renumber 3.3.1 to 3.3.3.
- Renumber 3.3.2 to 3.3.4.
- Renumber 3.3.3 to 3.3.5.
- Renumber 3.3.4 to 3.3.6.

Section 31 05 16 – Aggregate Materials (DTW Update)

- Sentence 3.5.6, delete words “48 h” and replace with “two (2) working days”.

Section 31 23 16.26 – Rock Removal (DTW Update)

- Sentence 1.4.1.5, delete words “48 hours” and replace with “two (2) working days”.

Section 32 16 15 - Concrete Walks, Curbs and Gutters (DTW Request)

- Add the following sentence 1.2.3.2:

.2 ASTMD2628, Standard Specification for Preformed Polychloroprene Elastomeric Joint Seals for concrete Pavements.

- Sentence 3.2.1, delete words “Engineer/Architect’s” and replace with “Owner’s Representative”.
- Sentence 3.4.1, delete words “Engineer/Architect’s” and replace with “Owner’s Representative”.

Section 32 17 23 – Pavement Marking (NMS Update)

- Delete sentence 1.1 and replace with the following:

1.1 References

- .1 Master Painters Institute (MPI)
 - .1 Architectural Painting Specification Manual, MPI #32 Traffic Markings Paint, Alkyd.
 - .2 South Coast Air Quality Management District (SCAQMD)
 - .1 SCAQMD Rule 1113, Architectural Coatings.

- Delete sentence 2.1.1 and replace with the following:

.1 Paint and Markings:

- .1 To MPI #32, Alkyd zone/traffic marking.
- .2 Traffic Marking Coatings: maximum VOC limit 450 g/L to SOR/2009-264 Schedule 1 to SCAQMD Rule 1113.
- .3 In accordance with MPI recommendation for surface conditions.

- Sentence 2.1.2, delete words “CAN/CGSB-1.5”, and replace with “MPI listed manufacturer”.
- Delete sentences 2.2, 2.3, 2.4, 2.5 and 2.6, and move to PART 3 Execution as 3.1, 3.2, 3.3, 3.4 and 3.5.

Section 32 31 13 – Chain Link Fences and Gates (DTW Request)

- Add the following sentence 1.2.1.3:

.3 ASTM A116, Standard Specification For Metallic-Coated, Steel-Woven Wire Fence Fabric.

- Renumber 1.2.1.3 to 1.2.1.4.

- Add the following sentence 1.2.1.5:

.5 ASTM A123/A123M, Zinc (Hot-Dip Galvanized) Coatings on iron and Steel.

- Add the following sentence 1.2.1.6:

.6 ASTM A641/A641M, Standard Specification for Zinc-coated (Galvanized) Carbon Steel Wire.

- Renumber 1.2.1.4 to 1.2.1.7.
- Delete sentence 1.2.3.3.1.

Section 32 91 19.13 – Topsoil Placement and Grading (DTW Update)

- Sentence 1.3.1, delete words “7 days” and replace with “seven (7) working days”.

Section 32 92 19.16 – Hydraulic Seeding (DTW Update)

- Sentence 1.2.2, delete words “seven (7) days” and replace with “seven (7) working days”.

Section 32 92 23 – Sodding (NMS Update)

- Add the following sentence 3.6.4:

.4 When environmental conditions allow, all sodded areas showing shrinkage cracks shall be top-dressed and seeded with a seed mix matching the original.

Section 33 05 13 – Manholes and Catch Basin Structures ((NMS Update & DTW Request)

- Add the following sentence 1.3.1.2:

.2 ASTM A123/A123M, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

- Renumber 1.3.1.2 to 1.3.1.3.
- Renumber 1.3.1.3 to 1.3.1.4.
- Add the following sentence 1.3.1.5:

.5 ASTM D412, Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension.

- Add the following sentence 1.3.1.6:
 - .6 ASTM D2240, Standard Test Method for Rubber Property-Durometer Hardness.
- Delete sentence 1.3.3.2 and replace with the following:
 - .2 CSA G30.18, Carbon Steel Bars for Concrete Reinforcement.
- Delete sentence 1.3.3.3 and replace with the following:
 - .3 CAN/CSA-A165 Series, CSA Standards on Concrete Masonry Units (Consists of A165.1, A165.2 and A165.3).
- Add the following sentence 1.3.3.4:
 - .4 CSA A3000 “Cementitious Materials Compendium”
- Sentence 2.1.7, delete words “CAN/CSA-G164” and replace with “ASTM A123/A123M”.
- Sentence 2.1.9, delete words “CAN3-A165 Series” and replace with “CAN/CSA-A165 Series”.

Section 33 11 16 – Site Water Utility Distribution Piping (DTW Request)

- Add the following sentence 1.3.5.2:
 - .2 CSA A3000, Cementitious Materials Compendium.
- Add the following sentence 1.3.3:
 - .3 CSA B137 Series, Thermoplastic Pressure Piping Compendium.
- Renumber 1.3.5.2 to 1.3.5.4.
- Renumber 1.3.5.3 to 1.3.5.5.
- Sentence 1.7.3, delete words “24 h” and replace with “two (2) working days”.
- Sentence 3.2.3, delete words “Engineer’s/Architect” and replace with “Owner’s Representative”.
- Sentence 3.10.3, delete words “24 hours” and replace with “two (2) working days”.

Section 33 21 00 – Water Supply Wells (DTW Request)

- Add the following sentence 1.4.3:
 - .3 Canadian Standards Association (CSA International)
 - .1 CSA A3000, Cementitious Materials Compendium.

Section 33 31 13 – Public Sanitary Utility Sewerage Piping (DTW Request)

- Add the following sentence 1.2.1.1:
 - .1 ASTM B745/745M, Standard Specification of Corrugated Aluminum Pipes for Sewers and Drains.
- Renumber 1.2.1.1 to 1.2.1.2.
- Renumber 1.2.1.2 to 1.2.1.3.
- Renumber 1.2.1.3 to 1.2.1.4.
- Renumber 1.2.1.4 to 1.2.1.5.
- Add the following sentence 1.2.2:
 - .2 American Water Works Association (AWWA)
 - .1 AWWA C104/A21.4, Cement –Mortar Lining for Ductile-Iron Pipe and Fittings.
- Renumber 1.2.2 to 1.2.3.
- Renumber 1.2.3 to 1.2.4.
- Add the following sentence 1.2.4.1:
 - .1 CSA A257 Series, Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe, and Fittings.
- Renumber 1.2.4.1 to 1.2.4.2.
- Add the following sentence 1.2.4.3:
 - .3 CSA B137, Thermoplastic Pressure Piping Compendium.
- Renumber 1.2.4.2 to 1.2.4.4.

- Add the following sentence 1.2.4.5:
 - .5 CSA G401, Corrugated Steel Pipe Products.
- Sentence 1.7.3, delete words “24 hours” and replace with “two (2) working days”.
- Sentence 3.9.5, delete words “24 h” and replace with “two (2) working days”.

Section 33 36 33 – Utility Drainage Field *(DTW Request)*

- Sentence 3.1.3, delete words “Engineer’s/Architect’s” and replace with “Owner’s Representative”.

Section 33 41 00 – Storm Utility Drains *(DTW Update)*

- Sentence 3.7.4, delete words “24 h” and replace with “two (2) working days”.

Section 33 42 13 – Pipe Culverts *(DTW Request)*

- Add the following sentence 1.3.1.4:
 - .4 ASTM D 1751, Standard for Specification for Preformed Expansion joint Filler for Concrete Paving and Structure Construction (Non-extruding and Resilient Bituminous Types).
- Add the following sentence 1.3.3:
 - .3 Canadian Standards Association (CSA International)
 - .1 CSA B1800 Series, Thermoplastic Nonpressure Piping Compendium.
 - .2 CSA A3000, Cementitious Materials Compendium.

Section 33 65 47 – Geothermal Vertical Borehole Heat Exchanger *(DTW Update)*

- Delete section 33 65 47 in its entirety.

Section 34 71 13.25 – Vehicle W- Beam Guide Rail *(DTW Request)*

- Add the following sentence 1.2.2.1:
 - .1 ASTM A123/A123M-13, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron And Steel Products.
- Renumber 1.2.2.1 to 1.2.2.2.

- Add the following sentence 1.2.2.3:
 - .3 ASTM A653/A653M, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvanized) by the Hot-Dip Process.
- Delete sentence 1.2.2.2.