

Index (NMS Update)

- Add new Section 02 41 19.16 – Selective Interior Demolition.
- Add new Section 04 20 00.08 – Masonry for Minor Works.
- Renumber Section 07 21 29.03 to 07 21 29.
- Add new Section 07 54 23 – Thermoplastic Polyolefin (TPO) Roofing.
- Delete Section 09 53 00.01 – Acoustical Suspension.
- Add new Section 22 05 05 – Selective Demolition for Plumbing.
- Renumber Section 23 55 13 to 23 82 16.14; rename section to “Electric-Resistance Air Coils”.
- Add new Section 26 05 05 – Selective Demolition for Electrical.
- Add new Section 26 05 73 – Power System Studies.

Section 01 29 83 – Payment Procedures for Testing Laboratory Services (DTW Update)

- Delete sentence 1.3.1.6.

Section 01 35 21 – LEED Requirements (NMS Update)

- Delete sentence 1.3.1.1 and replace with the following:
 - .1 LEEDv4 Canada-BD+C 2013, LEED (Leadership in Energy and Environmental Design): Green Building Rating System Reference Package New Construction and Major Renovation.

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

- Sentence 1.17.1, delete word “CSO” and replace with “CSR”.

Section 01 41 00 – Regulatory Requirements (NMS Update)

- Delete sentence 1.2.2 and replace with the following:
 - .2 Specific design and performance requirements listed in specifications or indicated on Drawings may exceed minimum requirements established by

referenced Building Code; these requirements will govern over the minimum requirements listed in Building Code:

- .1 Meet or exceed requirements of:
 - .1 Contract documents.
 - .2 Specified standards, codes and referenced documents.

Section 02 41 16 – Structure Demolition (DTW Update)

- Add the following sentence 1.9:

1.9 Rodent Control

- .1 Engage the services of a professional Pest Control Firm to survey the building and immediate areas to ascertain presence of any pests that would be impacted by removal and demolition activities. The Pest Control Firm will take measures to properly abate any such noted pests in accordance with regulatory requirements and provide certification that building areas are free and clear prior to commencement of building abatement and removal activities.

Section 02 41 19.13 – Selective Building Demolition (DTW Update)

- Add the following sentence 1.8:

1.8 Rodent Control

- .1 Engage the services of a professional Pest Control Firm to survey the building and immediate areas to ascertain presence of any pests that would be impacted by removal and demolition activities. The Pest Control Firm will take measures to properly abate any such noted pests in accordance with regulatory requirements and provide certification that building areas are free and clear prior to commencement of building abatement and removal activities.

Section 02 41 19.16 – Selective Interior Demolition (NMS Update)

- Add new Section 02 41 19.16 – Selective Interior Demolition.

Section 04 20 00.08 – Masonry for Minor Works (NMS Update)

- Add new section 04 20 00.08 – Masonry for Minor Works.

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

- Add the following sentence 2.1.2:

- .2 Split-face concrete block units Type 1: to CAN/CSA-A165 Series-04 (CSA-A165.1). Decorative face treatment: split face ashlar/centre scored.
 - .1 Classification: S/20/A/M.
 - .2 Size: modular as indicated on drawings.
 - .3 Special shapes: provide square units for exposed corners. Provide purpose-made shapes for lintels and bond beams. Provide additional special shapes as indicated.
 - .4 Colour: as selected by Owner's Representative from manufacturer's standard colour range.

- Renumber 2.1.2 to 2.1.3.

Section 06 05 73 – Wood Treatment (NMS Update)

- Delete sentence 1.2.2.2.
- Delete sentence 1.2.2.3.
- Delete sentence 1.2.2.4.
- Add the following sentence 1.2.3:

- .3 Underwriters Laboratory of Canada (ULC)
 - .1 CAN/ULC-S102 Surface Burning Characteristics of Building Materials and Assemblies.

Section 07 54 23 – Thermoplastic Polyolefin (TPO) Roofing (DTW Update)

- Add new section 07 54 23 – Thermoplastic Polyolefin (TPO) Roofing

Section 07 21 29.03 – Sprayed Insulation – Polyurethane Foam (NMS Update)

- Renumber section to 07 21 29.
- Delete sentence 1.2.1 and replace with the following:
 - .1 ASTM International (ASTM)
 - .1 ASTM C1029, Standard Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation.
- Delete sentence 1.2.3.1.
- Renumber sentence 1.2.3.2 to 1.2.3.1.

- Delete sentence 1.2.3.3, renumber to 1.2.3.2 and replace with the following:
 - .2 CAN/ULC-S705.1, Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density, Material Specification. Includes Amendment 1.2.
- Delete sentence 1.2.2.4, renumber to 1.2.3.3 and replace with the following:
 - .3 CAN/ULC-S705.2, Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density, Application.
- Add the following sentence 2.2:
 - 2.2 EQUIPMENT
 - .1 Spray equipment: in accordance with CAN-ULC-S705.2 and the equipment manufacturer's recommendations for specific type of application.
 - .2 Provide a separate proportioner unit for each spray gun.
- Add the following sentence 3.2:
 - 3.2 PROTECTION OF IN-PLACE CONDITIONS
 - .1 Mask and cover adjacent areas to protect from over spray.
 - .2 Ensure any required foam stop or back up material are in place to prevent over spray and achieve complete seal.
 - .3 Seal off existing ventilation equipment. Install temporary ducting and fans to ensure exhaust fumes. Provide for make-up air.
 - .4 Erect barriers, isolate area and post warning signs to advise non-protected personnel to avoid the spray area.
- Add the following sentence 3.3:
 - 3.3 SURFACE PREPARATION
 - .1 Clean all surfaces free of oil, grease, dust and debris. Ensure surfaces are clean, dry and properly fastened to ensure adhesion of the foam to the substrate.
 - .2 Ensure that all work by other trades that may penetrate through the insulation is in place and complete.
- Delete 3.2, renumber to 3.4 and replace with the following:

- 3.4 APPLICATION

- .1 Apply insulation to clean surfaces in accordance with CAN/ULC-S705.2 and manufacturer's printed instructions.
- .2 Apply primer to surfaces where recommended by manufacturer. Apply primer in accordance with manufacturer's instructions.
- .3 Spray apply insulation to maintain continuity of thermal protection to building elements and spaces.
- .4 Spray apply insulation to primed surfaces in accordance with CAN-ULC-S705.2.
- .5 Spray apply insulation to final thickness as indicated on drawings. Apply in consecutive passes to thicknesses as recommended by manufacturer. Minimum thickness: 15 mm. Maximum thickness: 50 mm.
- .6 Spray insulation to seal perimeter of electrical boxes, pipes, ducts, frames and other objects into or passing through insulation.
- .7 Keep insulation away from heat emitting devices such as recessed light fixtures, chimneys and furnace vents. Maintain minimum distances as recommended by manufacturer's instructions.
- .8 Finished surface of foam insulation to be free of voids and imbedded foreign objects.
- .9 Remove masking materials and over spray from adjacent areas immediately after foam surface has hardened. Ensure cleaning methods do not damage work performed under other sections.
- .10 Trim, as required, any excess thickness that would interfere with the application of cladding system by other trades.
- .11 Do not enclose insulation until it has been inspected and approved by Owner's Representative.

- Add the following sentence 3.5:

3.5 TOLERANCES

- .1 Maximum variation from indicated thickness: minus 6.0 mm, plus 10 mm but not universally high or low.

- Add the following sentence 3.6:

3.6 PROTECTION

- .1 Protect installed products and accessories from damage during construction.
- .2 Protect the spray foam from ultraviolet in accordance with manufacturer's requirements.
- .3 Cover the spray foam with an appropriate thermal barrier as detailed

- Renumber sentence 3.3 to 3.7.
- Renumber sentence 3.4 to 3.8.

Section 07 62 00 – Sheet Metal Flashing and Trim (NMS Update)

- Add the following sentence 1.2.2.2:
 - .2 ASTM A755/A755M, Standard Specification for Steel Sheet, Metallic coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process for Exterior Exposed Building Products.
- Renumber 1.2.2.2 to 1.2.2.3.
- Renumber 1.1.2.3 to 1.2.2.4.
- Delete sentence 2.2.1 and replace with the following:
 - .1 Prefinished steel with factory applied two-coat polyvinylidene fluoride resin on specified steel sheet substrate conforming to ASTM A755.
- Delete sentence 2.2.1.4 and replace with the following:
 - .4 Exposed coating thickness: dry film coating system thickness not less than 22 micrometres.
- Add the following sentence 3.1.6:
 - .6 Where flashing installed with mechanical fasteners, install fasteners in slots or oversize holes to allow expansion and contraction of flashings.
- Add the following sentence 3.1.7:
 - .7 Provide isolation coating or impervious self-adhesive membrane to separate aluminum items from concrete and masonry.
- Add the following sentence 3.2:
 - 3.2 CLEANING
 - .1 Proceed in accordance with Section 01 74 00 – Cleaning.
 - .2 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.
 - .3 Leave work areas clean, free from grease, finger marks and stains.

Section 07 92 00 – Joint Sealants *(NMS Update)*

- Delete sentence 1.3.1 and replace with the following:
 - .1 American Society for Testing and Materials International, (ASTM)
 - .1 ASTM C919, Standard Practice for Use of Sealants in Acoustical Applications.
- Delete sentence 1.3.2 and replace with the following:
 - .2 Canadian General Standards Board (CGSB)
 - .1 CGSB 19-GP-5M, Sealing Compound, One Component, Acrylic Base, Solvent Curing (Issue of 1976 reaffirmed, incorporating Amendment No. 1).
 - .2 CAN/CGSB-19.13, Sealing Compound, One-component, Elastomeric, Chemical Curing.
 - .3 CGSB 19-GP-14M, Sealing Compound, One Component, Butyl-Polyisobutylene Polymer Base, Solvent Curing (Reaffirmation of April 1976).
 - .4 CAN/CGSB-19.17, One-Component Acrylic Emulsion Base Sealing Compound.
 - .5 CAN/CGSB-19.24, Multi-component, Chemical Curing Sealing Compound.
- Delete sentence 1.3.4.1 and replace with the following:
 - .1 Safety Data Sheets (SDS).
- Add the following sentence 1.9.1.1.3:
 - .3 Conform to manufacturer's recommended temperatures, relative humidity, and substrate moisture content for application and curing of sealants including special conditions governing use.

Section 08 71 00 – Door Hardware *(DTW Update)*

- Delete sentence 1.3.1 and replace with the following:
 - .1 Product Data:
 - .1 Submit manufacturer's printed product literature, specifications and data sheet.
 - .2 Include in submitted product literature, copy of manufacturer's standard product warranty for each hardware item submitted.

- Delete sentence 1.5 and replace with the following:
 - 1.5 Warranty
 - .1 Provide a written manufacturer’s warranty, dated from Substantial Completion Certificate, for work of this Section for failure due to defective materials as per the following requirements:
 - .1 Locks and Latches: minimum seven (7) years.
 - .2 Butts and Hinges: minimum three (3) years.
 - .3 Exit Devices: minimum ten (10) years.
 - .4 Door Closers and assemblies: minimum twenty five (25) years.
 - .5 Door Operators: minimum two (2) years.
 - .6 Power Supplies: minimum two (2) years.
 - .7 Architectural Door Trim: minimum five (5) years.
 - .8 Door Bottoms, Thresholds, Weatherstripping: minimum five (5) years.
 - .9 Astragals: minimum one (1) year.
 - .2 Provide a written Contractor’s warranty for work of this Section for failure due to defective installation workmanship for one (1) year, dated from Submittal Completion certificate.

Section 09 30 13 – Ceramic Tiling *(NMS Update)*

- Add the following sentence 1.2.1.2:
 - .2 CTI A118.6, Specification for Ceramic Tile Grouts (included in ANSI A108.1).
- Add the following sentence 1.2.3.4:
 - .4 CAN/CGSB-25.20, Surface Sealer for Floors.
- Add the following sentence 2.5.4:
 - .4 Colouring Pigments:
 - .1 Pure mineral pigments, limeproof and nonfading, complying with ASTM C979.
 - .2 Colouring pigments to be added to grout by manufacturer.
 - .3 Job coloured grout are not acceptable.

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

- Add the following sentence 1.2.1:

- .1 American National Standards Institute (ANSI)/Ceramic Tile Institute (CTI)
 - .1 ANSI/CTI A108.1, Specification for the Installation of Ceramic Tile.
- Renumber 1.2.1 to 1.2.3.
- Renumber 1.2.2 to 1.2.3.
- Renumber 1.2.3 to 1.2.4.
- Renumber 1.2.4 to 1.2.5.
- Sentence 2.4.3, delete word “07 92 10” and replace with “07 92 00”.

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

- Delete sentence 1.1.7.
- Add the following sentence 1.3.4.2:
 - .2 Submit samples of each component proposed for use in [each type of] ceiling suspension system.
- Renumber 1.3.4.2 to 1.3.4.3.
- Add the following sentence 1.11:
 - 1.11 PRE-INSTALLATION MEETING
 - .1 Convene pre-installation meeting one week prior to beginning work of this Section, with Owner’s Representative to:
 - .1 Verify project requirements.
 - .2 Review installation and substrate conditions.
 - .3 Coordination with work of other sections.
 - .4 Review manufacturer’s installation instructions and warranty requirements.
 - .5 Review accepted shop drawings for installation requirements.
- Delete sentence 2.1 and replace with the following:

2.1 ACOUSTICAL CEILING SUSPENSION

- .1 Acoustical ceiling suspension system, non-fire rated, made up as follows:
 - .1 Two directional exposed tee bar grid.
 - .2 Concealed tee access spline.
 - .3 Concealed tongue and groove runner.
 - .4 Concealed H runner, tee spline and flat steel spline.
 - .5 Concealed zee runner and flat steel spline.
 - .6 Metal pan special tee system.
- .2 Fire-resistance rated suspension system, made up as follows:
 - .1 One directional exposed tee bar grid.
 - .2 Concealed tee access spline.
 - .3 Concealed tongue and groove runner.
 - .4 Concealed H runner, tee spline and flat steel spline.
 - .5 Concealed zee runner and flat steel spline.
 - .6 Metal pan special tee system.
- .3 Basic materials for suspension system: commercial quality cold rolled steel, zinc coated.
- .4 Exposed tee bar grid components: shop painted satin sheen white colour. Components die cut. Main tee with double web, rectangular bulb and 25 mm rolled cap on exposed face. Cross tee with rectangular bulb; web extended to form positive interlock with main tee webs; lower flange extended and offset to provide flush intersection.
- .5 Hanger wire: galvanized soft annealed steel wire.
 - .1 3.6 mm diameter for access tile ceilings.
 - .2 To ULC design requirements for fire rated assemblies.
 - .3 2.6 mm diameter for other ceilings.
- .6 Hanger inserts: purpose made.
- .7 Accessories: splices, clips, wire ties, retainers and wall moulding to be shadow mould, to complement suspension system components, as recommended by system manufacturer.

2.2 ACOUSTICAL CEILING PANELS

- .1 Acoustic units for suspended ceiling system: to ATSM E1264.
 - .1 Type 3.
 - .2 Pattern as selected by Owner's Representative.
 - .3 Flame spread rating of 25 or less in accordance with CAN/ULC-S102.
 - .4 Smoke developed 50 or less in accordance with CAN/ULC-S102.

- .5 Noise reduction coefficient (NRC) designation of 0.55 to 0.65.
- .6 Ceiling Attenuation Class (CAC), in accordance with ASTM E1264.
- .7 Light reflectance range of 25.
- .8 Edge type square.
- .9 Colour white.
- .10 Size 610 x 1220 x 19 mm thick.
- .11 Shape flat.

2.3 ACCESSORIES

- .1 Hold down clips: purpose made clips to secure [panel] [tile] to suspension system, approved for use in fire-rated systems.

- Delete PART 3 and replace with the following:

3.1 EXAMINATION

- .1 Do not install acoustical panel ceiling systems until work above ceiling has been inspected by Owner's Representative.

3.2 INTERFACE WITH OTHER WORK

- .1 Co-ordinate ceiling work to accommodate components of other sections, such as light fixtures, diffusers, speakers, sprinkler heads, to be built into acoustical ceiling components.

3.3 SUSPENSION SYSTEM INSTALLATION

- .1 Comply with manufacturer s written installation instructions and recommendations, including product technical bulletins, product carton installation instructions, and data sheets.
- .2 Install suspension system in accordance with accepted shop drawings, and ASTM C636/C636M except where specified otherwise.
- .3 Lay out system according to reflected ceiling plan.
- .4 Finished ceiling system to be square with adjoining walls and level within 1:1000.
- .5 Secure hangers to overhead structure using attachment methods acceptable to Owner's Representative.
- .6 Install hangers spaced at maximum 1200 mm centres and within 150 mm from ends of main tees.
- .7 Ensure suspension system is coordinated with location of related components. Provide carrying channels as necessary to bridge at

- unavoidable interference between suspension system and other work above ceiling.
- .8 Install wall moulding to provide correct ceiling height.
- .9 Completed suspension system to support super-imposed loads, such as grilles, lighting fixtures, diffusers and speakers.
- .10 Support at light fixtures and diffusers with additional ceiling suspension hangers within 150 mm of each corner and at maximum 610 mm around perimeter of fixture.
- .11 Interlock cross member to main runner to provide rigid assembly.
- .12 Frame at openings for light fixtures, air diffusers, speakers and at changes in ceiling heights.
- .13 Install access splines to provide 10% ceiling access.

3.4 ACOUSTICAL CEILING PANEL INSTALLATION

- .1 Install lay-in acoustical panels in ceiling suspension system in accordance with manufacturer's instructions and as indicated.
- .2 In fire rated ceiling systems, secure lay-in panels with hold-down clips and protect over light fixtures, diffusers, air return grilles and other appurtenances according to Certification Organizations design requirements.
- .3 Install acoustical units parallel to building lines with edge unit not less than 50% of unit width. Refer to reflected ceiling plan.
- .4 Scribe acoustic units to fit adjacent work butt joints tight, terminate edges with moulding.

3.5 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 00 - Cleaning. Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 00 - Cleaning. Touch up scratches, abrasions, voids and other defects in painted surfaces.

3.6 PROTECTION

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

3.7 COMMISSIONING

- .1 Train user staff in the care, cleaning and replacement of acoustical ceiling tile.

- .2 Acceptance of maintenance material turned over to owner.

Section 09 53 00.01 – Acoustical Suspension *(NMS Update)*

- Delete section in its entirety.

Section 22 05 05 – Selective Plumbing Demolition *(NMS Update)*

- Add new section 22 05 05 – Selective Plumbing Demolition

Section 23 55 13 – Fuel-Fired Duct Heaters *(NMS Update)*

- Rename section to “Electric-Resistance Air Coils”; renumber section to 23 82 16.14.
- Delete section in its entirety and replace with new section 23 82 16.14 attached.

Section 26 05 00 – Common Works Results – Electrical *(DTW Update)*

- Delete section in its entirety and replace with revised section attached.

Section 26 05 05 – Selective Demolition for Electrical *(NMS Update)*

- Add new section 26 05 05 – Selective Demolition for Electrical.

Section 26 05 73 – Power System Studies *(DTW Update)*

- Add new section 26 05 73 – Power System Studies.

Section 31 11 00 – Clearing and Grubbing *(NMS Update)*

- Add the following sentence 3.1:

3.1 Protection

- .1 Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to requirements of authorities having jurisdiction.
- .2 Inspect, repair, and maintain temporary erosion and sedimentation control measures during construction until permanent vegetation has been established.
- .3 Remove temporary erosion and sedimentation controls and restore and stabilize areas disturbed during removal.

- Renumber 3.1 to 3.2.

- Renumber 3.2 to 3.3.
- Renumber 3.3 to 3.4.
- Renumber 3.4 to 3.5.
- Renumber 3.5 to 3.6.
- Renumber 3.6 to 3.7.
- Renumber 3.7 to 3.8.
- Renumber 3.8 to 3.9.
- Renumber 3.9 to 3.10.

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

- Add the following sentence 1.2.4:
 - .4 Qualifications: Provide proof of qualifications when requested by Owner’s Representative.
- Add the following sentence 1.2.5:
 - .5 Contractor Qualifications:
 - .1 Landscape Contractor: to be a Member in Good Standing of Landscape Newfoundland Green for Life (LNL).
 - .2 Landscape Supervisor: Landscape Horticulturist Journeyman or Landscape Industry Certified Technician with Softscape Installation designation or equivalent.
- Add the following sentence 2.2.2.5:
 - .5 pH range of 3.5 to 6.5.
- Add the following sentence 3.1:
 - 3.1 TEMPORARY EROSION AND SEDIMENTATION CONTROL
 - .1 Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to requirements of authorities having jurisdiction.

- .2 Inspect, repair, and maintain erosion and sedimentation control measures during construction until permanent vegetation has been established.
 - .3 Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.
- Renumber 3.1 to 3.2.
 - Renumber 3.2.to 3.3.
 - Renumber 3.3 to 3.4; Add the following sentence 3.4.6:
 - .6 Avoid spreading or grading in wet, frozen, or saturated state.
 - Renumber 3.4 to 3.5.
 - Renumber 3.5 to 3.6.
 - Renumber 3.6 to 3.7.
 - Renumber 3.7 to 3.8.
 - Renumber 3.8 to 3.9.

Section 32 92 19.16 – Hydraulic Seeding (NMS Update)

- Add the following sentence 1.3.4:
 - .4 Contractor Qualifications:
 - .1 Landscape Contractor: to be a Member in Good Standing of Landscape Newfoundland Green for Life (LNL).
 - .2 Landscape Planting Supervisor: Landscape Horticulturist Journeyperson or Landscape Industry Certified Technician with Softscape Installation designation or equivalent.
 - .3 Landscape Maintenance Supervisor: Landscape Horticulturist Journeyperson or Landscape Industry Certified Technician with Turf Maintenance designation or equivalent.
 - .4 Provide proof of qualifications when requested by Owner’s Representative.
- Add the following sentence 1.6:
 - 1.6 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section with manufacturer's written instructions.
 - .2 Labelled bags of fertilizer identifying mass in kg, mix components and percentages, date of bagging, supplier's name and lot number.
 - .3 Inoculant containers to be tagged with expiry date.
 - .4 Store fertilizer indoors, in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .5 Replace defective or damaged materials with new.
- Add the following sentence 3.2.1:
 - .1 Do not perform work under adverse field conditions such as wind speeds over 10 km/h, frozen ground or ground covered with snow, ice or standing water.
 - Renumber 3.2.1 to 3.2.2.
 - Renumber 3.2.2 to 3.2.3.
 - Renumber 3.2.3 to 3.2.4.
 - Renumber 3.2.4 to 3.2.5.

Section 32 92 23 – Sodding (NMS Update)

- Add the following sentence 1.3.4:
 - .4 Contractor Qualifications:
 - .1 Landscape Contractor: to be a Member in Good Standing of Landscape Newfoundland Green for Life (LNL).
 - .2 Landscape Planting Supervisor: Landscape Horticulturist Journeyperson or Landscape Industry Certified Technician with Softscape Installation designation or equivalent.
 - .3 Landscape Maintenance Supervisor: Landscape Horticulturist Journeyperson or Landscape Industry Certified Technician with Turf Maintenance designation or equivalent.
 - .4 Provide proof of qualifications when requested by Owner's Representative.
- Add the following sentence 1.5:
 - 1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.
- .2 Deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Store materials in accordance with supplier's recommendations.
- .4 Replace defective or damaged materials with new.
- .5 For palletized sod products:
 - .1 Sod shall not be dumped or dropped from vehicle.
 - .2 Provide wind protection measures to protect sod during transportation against wind exposure and to prevent drying.
 - .3 Ensure sod freshness and healthy conditions when they arrive on site.
 - .4 Provide weather protection measures as required to keep sod fresh and moist, if installation is to be delayed.
 - .5 During the growing season, and where feasible, sod should be delivered to the site within 36 hours of harvest, and be installed within 24 hours of delivery.
 - .6 Allow sod to dry sufficiently after becoming water logged to prevent tearing or damage during handling.

- Delete sentence 3.2 and replace with the following:

3.2 SOD PLACEMENT

- .1 Lay sod during active growing season for type of sod. Laying sod during dry, freezing, or over frozen soil is unacceptable.
- .2 If growing medium surface is dry, it shall be lightly moistened immediately before laying sod.
- .3 Lay sod flush with adjoining grass areas, paving and top surface of curbs, unless shown otherwise on the drawings.
- .4 Lay sod within 24 hours of being lifted if air temperature exceeds 20 degrees C.
- .5 Lay sod sections in rows, longitudinally, along contours of slopes, joints staggered a minimum 25 mm. Butt sections closely without overlapping or leaving gaps between sections. Cut out irregular or thin sections with sharp implements.
- .6 Roll sod as directed by Owner's Representative. Provide close contact between sod and soil by light rolling. Use of heavy roller to correct irregularities in grade is not permitted.

Section 32 93 10 – Trees, Shrubs and Ground Cover Planting (NMS Update)

- Add the following sentence 1.4.4:
 - .4 Qualifications: Provide proof of qualifications when requested by Owner's Representative.

- Add the following sentence 1.4.5:
 - .5 Contractor Qualifications:
 - .1 Landscape Contractor: to be a Member in Good Standing of Landscape Newfoundland Green for Life (LNL).
 - .2 Landscape Supervisor: Landscape Horticulturist Journeyman or Landscape Industry Certified Technician with Softscape Installation designation or equivalent.
 - .3 Landscape Maintenance Supervisor: Landscape Horticulturist Journeyman or Landscape Industry Certified Technician with Ornamental Maintenance designation or equivalent.