



CODES CANADA  
**Build on expertise**

# Canadian National Master Construction Specification (NMS)

Summary of Updates 2021-01



National Research  
Council Canada

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## Summary of updates

The **2021-01 NMS publication** includes:

Master performance and design specifications: 102 specifications are now organized by major building functional elements using the UniFormat™ classification system. References for energy efficient and net zero operational carbon building design and operation were introduced into 37 Sections across Elements B and D to G.

Updates to master prescriptive specification sections include:

- Incorporated guidance on thermal resilience into 9 sections across Divisions 04 and 07.
- Updated Division 01 and Division 03 sections with requirements for Environmental Product Declarations (EPDs) to demonstrate life-cycle assessment of embodied carbon in construction materials.
- Integrated sustainability requirements into 15 sections in Division 01 for aspects such as low carbon, water, materials, plastics, and construction waste disposal in projects.
- Updated 3 sections on resilient flooring from Division 09 to meet current industry standards and best practices, and to improve cross-trade coordination.
- Edited acronyms and references in 3 sections in Divisions 01, 08 and 09.

SECTION	TITLE	STATUS
1020	PROJECT BRIEF	New
1030	PROJECT CRITERIA	New
1040	EXISTING CONDITIONS	New
A1010	STANDARD FOUNDATIONS	New
A1020	SPECIAL FOUNDATIONS	New
A2010	WALLS FOR SUBGRADE ENCLOSURES	New
A4010	STANDARD SLABS-ON-GRADE	New
A4020	STRUCTURAL SLABS-ON-GRADE	New
A4030	SLAB TRENCHES	New
A4040	PITS AND BASES	New
A4090	SLAB-ON-GRADE SUPPLEMENTARY COMPONENTS	New
A6010	BUILDING SUBDRAINAGE	New
A6020	OFF-GASSING MITIGATION	New
A9010	SUBSTRUCTURE EXCAVATION	New
A9020	CONSTRUCTION DEWATERING	New
A9030	EXCAVATION SUPPORT	New
A9040	SOIL TREATMENT	New
B1010	FLOOR CONSTRUCTION	New
B1020	ROOF CONSTRUCTION	New
B1080	STAIRS	New
B2010	EXTERIOR WALLS	New
B2020	EXTERIOR WINDOWS	New
B2050	EXTERIOR DOORS AND GRILLES	New
B2080	EXTERIOR WALL APPURTENANCES	New
B2090	EXTERIOR WALL SPECIALTIES	New
B3010	ROOFING	New
B3020	ROOF APPURTENANCES	New
B3040	TRAFFIC BEARING HORIZONTAL ENCLOSURES	New
B3060	HORIZONTAL OPENINGS	New
B3080	OVERHEAD EXTERIOR ENCLOSURES	New

C1010	INTERIOR PARTITIONS	New
C1020	INTERIOR WINDOWS	New
C1030	INTERIOR DOORS	New
C1040	INTERIOR GRILLES AND-GATES	New
C1060	RAISED FLOOR CONSTRUCTION	New
C1070	SUSPENDED CEILING CONSTRUCTION	New
C1090	INTERIOR SPECIALTIES	New
C2010	WALL FINISHES	New
C2020	INTERIOR FABRICATIONS	New
C2030	FLOORING	New
C2040	STAIR FINISHES	New
C2050	CEILING FINISHES	New
D1010	VERTICAL CONVEYING SYSTEMS	New
D2010	DOMESTIC WATER DISTRIBUTION	New
D2020	SANITARY DRAINAGE	New
D2030	BUILDING SUPPORT PLUMBING SYSTEMS	New
D2050	GENERAL SERVICE COMPRESSED-AIR	New
D3010	FACILITY FUEL SYSTEMS	New
D3020	HEATING SYSTEMS	New
D3030	COOLING SYSTEMS	New
D3050	FACILITY HVAC DISTRIBUTION SYSTEMS	New
D3060	VENTILATION	New
D4010	FIRE SUPPRESSION	New
D4030	FIRE PROTECTION SPECIALTIES	New
D5020	ELECTRICAL SERVICE AND DISTRIBUTION	New
D5030	GENERAL PURPOSE ELECTRICAL POWER	New
D5040	LIGHTING	New
D5080	MISCELLANEOUS ELECTRICAL SYSTEMS	New
D6010	DATA COMMUNICATIONS	New
D6060	DISTRIBUTED COMMUNICATIONS AND MONITORING	New
D7010	ACCESS CONTROL AND INTRUSION DETECTION	New
D7030	ELECTRONIC SURVEILLANCE	New
D7050	DETECTION AND ALARM	New
D8010	INTEGRATED AUTOMATION FACILITY CONTROLS	New
E1010	VEHICLE AND PEDESTRIAN EQUIPMENT	New
E1030	COMMERCIAL EQUIPMENT	New
E1040	INSTITUTIONAL EQUIPMENT	New
E1060	RESIDENTIAL EQUIPMENT	New
E1070	ENTERTAINMENT AND RECREATIONAL EQUIPMENT	New
E1090	OTHER EQUIPMENT	New
E2010	FIXED FURNISHINGS	New
E2050	MOVABLE FURNISHINGS	New
F1010	INTEGRATED CONSTRUCTION	New
F1020	SPECIAL STRUCTURES	New
F1030	SPECIAL FUNCTION CONSTRUCTION	New
F1050	SPECIAL FACILITY COMPONENTS	New
F1060	ATHLETIC AND RECREATIONAL SPECIAL CONSTRUCTION	New
F1080	SPECIAL INSTRUMENTATION	New

F2010	HAZARDOUS MATERIALS REMEDIATION	New
F3030	SELECTIVE DEMOLITION	New
G1010	SITE CLEARING	New
G1020	SITE ELEMENTS DEMOLITION	New
G1030	SITE ELEMENT RELOCATION	New
G1050	SITE REMEDIATION	New
G1070	SITE EARTHWORK	New
G2010	ROADWAYS	New
G2020	PARKING LOTS	New
G2030	PEDESTRIAN PLAZAS AND WALKWAYS	New
G2040	AIRFIELDS	New
G2050	ATHLETIC RECREATIONAL AND PLAYFIELD AREAS	New
G2060	SITE DEVELOPMENT	New
G2080	LANDSCAPING	New
G3010	WATER UTILITIES	New
G3020	SANITARY SEWERAGE UTILITIES	New
G3030	STORM DRAINAGE UTILITIES	New
G3050	SITE ENERGY DISTRIBUTION	New
G3060	SITE FUEL DISTRIBUTION	New
G4010	SITE ELECTRICAL DISTRIBUTION SYSTEMS	New
G4050	SITE LIGHTING	New
G5010	SITE COMMUNICATIONS SYSTEMS	New
G9010	TUNNELS	New
Z1040	QUALITY REQUIREMENTS	New
01 14 25	DESIGNATED SUBSTANCES REPORT	Editorial Edits
01 33 29	SUSTAINABLE DESIGN REPORTING	Updated
01 35 13.43	SPECIAL PROJECT PROCEDURES FOR CONTAMINATED SITES	Editorial Edits
01 35 21	LEED REQUIREMENTS	Editorial Edits
01 35 43.10	ENVIRONMENTAL PROCEDURES - BRIDGES	Editorial Edits
01 41 00	REGULATORY REQUIREMENTS	Editorial Edits
01 47 13	SUSTAINABLE REQUIREMENTS: CONCEPT DESIGN	Editorial Edits
01 47 15	SUSTAINABLE REQUIREMENTS: CONSTRUCTION	Editorial Edits
01 47 19	SUSTAINABLE REQUIREMENTS: OPERATION	Editorial Edits
01 50 13	TEMPORARY FACILITIES AND CONTROLS FOR DREDGING	Editorial Edits
01 51 00	TEMPORARY UTILITIES	Editorial Edits
01 52 00	CONSTRUCTION FACILITIES	Editorial Edits
01 56 00	TEMPORARY BARRIERS AND ENCLOSURES	Editorial Edits
01 61 00	COMMON PRODUCT REQUIREMENTS	Editorial Edits
01 74 00	CLEANING	Editorial Edits
01 74 19	WASTE MANAGEMENT AND DISPOSAL	Editorial Edits
01 74 19.13	CARPET RECLAMATION	Editorial Edits
02 03 43	PERIOD STRUCTURE RELOCATING	Updated
02 50 00	SITE REMEDIATION	Updated
03 01 36	EPOXY INJECTION/CHEMICAL GROUT	Updated
03 01 37	CONCRETE RESTORATION	Updated
03 10 00	CONCRETE FORMING AND ACCESSORIES	Updated
03 11 19	INSULATING CONCRETE FORMS	Updated
03 20 00	CONCRETE REINFORCING	Updated

03 30 00	CAST-IN-PLACE CONCRETE	Updated
03 30 00.09	CAST-IN-PLACE CONCRETE - SHORT FORM	Updated
03 31 23.13	HIGH-PERFORMANCE STRUCTURAL CONCRETE FOR BRIDGE DECKS	Editorial Edits
03 35 00	CONCRETE FINISHING	Updated
03 35 46	CONCRETE FLOOR HARDENING	Updated
03 37 13	SHOTCRETE	Updated
03 37 26	UNDERWATER PLACED CONCRETE	Updated
03 41 00	PRECAST STRUCTURAL CONCRETE	Editorial Edits
03 41 36	PRECAST STRUCTURAL POST-TENSIONED CONCRETE	Editorial Edits
03 45 00	PRECAST ARCHITECTURAL CONCRETE	Editorial Edits
03 48 00	PRECAST CONCRETE SPECIALTIES	Updated
03 60 10	PRESSURE GROUTING ROCK	Editorial Edits
04 43 19	COLLECTED STONE VENEER CLADDING	Editorial Edits
04 43 23	QUARRIED STONE VENEER CLADDING	Editorial Edits
04 43 26	DIMENSION STONE VENEER CLADDING	Editorial Edits
07 08 13	BUILDING ENCLOSURE PERFORMANCE TESTING	Editorial Edits
07 46 16	ALUMINUM SIDING	Editorial Edits
07 46 19	STEEL SIDING	Editorial Edits
07 46 23	WOOD SIDING	Editorial Edits
07 46 33	PLASTIC SIDING	Editorial Edits
07 61 00	SHEET METAL ROOFING	Editorial Edits
07 92 00	JOINT SEALANTS	Editorial Edits
08 90 00	LOUVRES AND VENTS	Editorial Edits
09 03 25	CONSERVATION TREATMENT FOR PERIOD PLASTERING	Editorial Edits
09 65 00.08	RESILIENT FLOORING FOR MINOR WORKS	Updated
09 65 16	RESILIENT SHEET FLOORING	Updated
09 65 19	RESILIENT TILE FLOORING	Updated



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