

## Information Bulletin

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# 2022 Winnipeg Electrical By-law PowerPoint Presentation

## Winnipeg Electrical By-law 72/2022 Enforced July 1, 2022

In conjunction with the enforcement of the Winnipeg Electrical By-law 72/2022 on July 1, 2022, The City of Winnipeg offers electrical designers, installers, etc. the following 60-slide presentation that highlights some of the recent changes to:

- The 2021 Canadian Electrical Code
- The City of Winnipeg amendments
- The City of Winnipeg Technical Interpretations

The slides also offer reminders and clarifications of existing requirements that are often misunderstood or misapplied on site.

### Submit Questions

After reviewing the slides, readers may submit questions to [contractorlicence@winnipeg.ca](mailto:contractorlicence@winnipeg.ca). Select questions submitted prior to August 1, 2022 and their responses will be added as additional slides at the end of the presentation to be shared publicly.

# 2022 Winnipeg Electrical By-law

Planning Property and  
Development Department

Development & Inspections  
Division

# 2022 Winnipeg Electrical By-law

## Acknowledgement

We acknowledge that Winnipeg is located in Treaty One territory, the home and traditional lands of the Anishinaabe (Ojibwe), Ininew (Cree), and Dakota peoples, and in the National Homeland of the Red River Métis. Our drinking water comes from Shoal Lake 40 First Nation, in Treaty Three Territory.



# 2022 Winnipeg Electrical By-law

## Development & Inspections Electrical Leadership Team

### Commercial Inspections:

- Wally Christensen, Chief Electrical Inspector
- Michael Martin, Commercial Electrical Inspections Supervisor

### Housing Inspections:

- Ian Robinson, Housing Inspections Supervisor
- Ian Leader, Senior Electrical Housing Inspector

### Plan Examination:

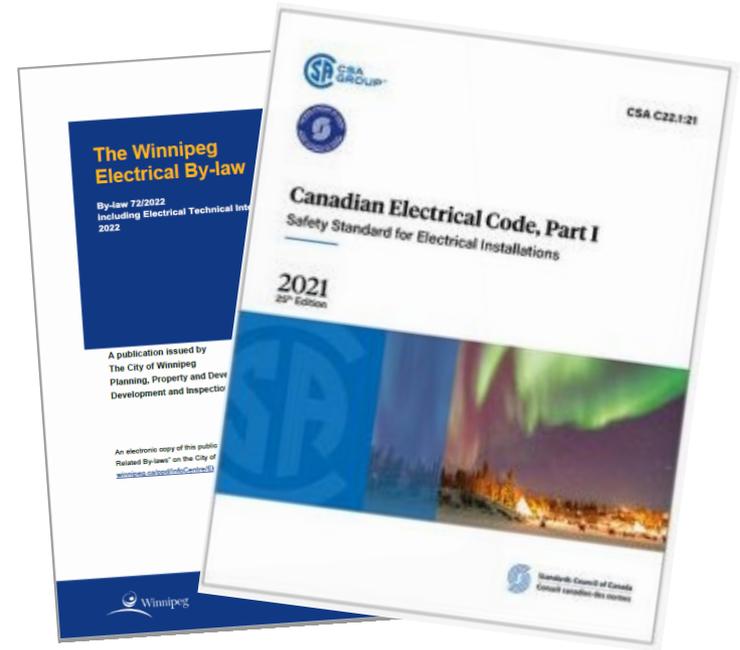
- Sajith Mallikarachchi, Senior Electrical Plan Exam Engineer
- Daniel Frosh, Electrical Plan Exam Engineer
- Shirley Jenken, Electrical Technical Support Officer

# 2022 Winnipeg Electrical By-law

## Code Changes

This presentation is not a list of all changes in the 2021 Canadian Electrical Code and 2022 Winnipeg Electrical By-law.

It consists of highlights or items of particular interest to the Winnipeg electrical industry.



# 2022 Winnipeg Electrical By-law

## Changes to 2021 Canadian Electrical Code

A series of five (5) articles synopsising the changes in the 2021 Canadian Electrical Code have been written from May 2021 to January 2022 by Steve Douglas, member of the CSA Part I Committee, QPS Evaluation Services, and the International Association of Electrical Inspectors (IAEI).

Find the articles on the IAEI magazine website at:

<https://iaeimagazine.org/section/columns/canadian/>

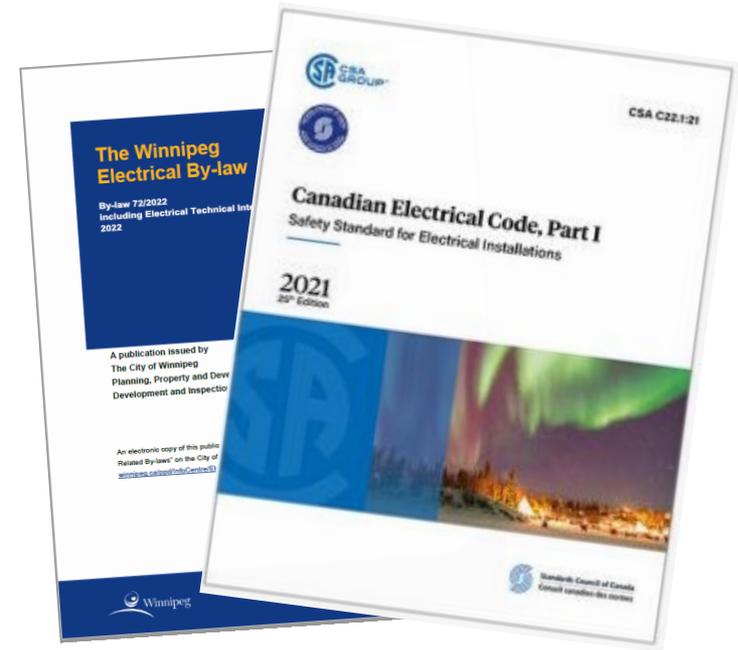
# 2022 Winnipeg Electrical By-law

## Code Enforcement

**Effective date in the City of Winnipeg is July 1, 2022.**

The edition of Code that will be applied to projects will depend on either:

- The in-date of the related building permit application, or
- For standalone electrical permits not associated with a building permit, the in-date of the electrical permit application.



# 2022 Winnipeg Electrical By-law

## Revisions and Errata

Be sure to register for CSA's revisions & errata on their website

<http://register.csa.ca/standards.csa.ca~availableupdates~web/UpdateServices.action?LANG=en>.

# 2022 Winnipeg Electrical By-law

## Important Code Changes and Reminders

# 2022 Winnipeg Electrical By-law

## Section 0 – Definitions

### New definitions:

***Δ Flood elevation***— *elevation of surface water resulting from a flood event designated in accordance with the National Building Code of Canada or applicable local legislation (see Appendix B).*

***Δ Flood hazard zone***— *a spatially delineated area designated in accordance with the National Building Code of Canada or applicable local legislation as being subjected to a flood hazard (see Appendix B).*

The City of Winnipeg registers specific properties as flood fringe and will classify these a flood hazard zone as it relates to the Winnipeg Electrical By-law. Contact the Permit Office for more information.

# 2022 Winnipeg Electrical By-law

## Section 0 – Definitions

**New T.I:**

**Installation of Wireless Wall Switch**

**Section 0 Definitions: Switch**

*Wireless switches with no physical wiring or local control will not be acceptable to satisfy the requirements of wall switches installed in accordance with Rules 30-500 to 30-510. Such wireless switching shall be permitted as supplementary devices only.*



# 2022 Winnipeg Electrical By-law

## 2-000 Duty of Owner Regarding Design and Inspection

### Revised Item i)

- Solar installations of 10 kW or less related to a **single detached dwelling** will no longer require the design to be submitted under seal.
- Sealed documents are still required for multi-family (duplex, triplex, row housing, etc.) and all other installations.
- Permit applicants should refer to our new Solar Installations Information Bulletin\* for submission requirements to ensure no unnecessary delay in permit issuance.

[winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm](http://winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm)



\*available late June, 2022

# 2022 Winnipeg Electrical By-law

## 2-004 A Electrical Permit

### **New T.I:**

*Generally, separate electrical residential permits (ER) are required for each civic address. Notwithstanding service conductors and dwelling unit panelboard feeders, electrical installations must be contained within the dwelling unit or the property it serves to which the permit was issued. Where practicable, feeders must be kept outside separately owned dwelling units they do not serve.*

# 2022 Winnipeg Electrical By-law

## 2-004 B Permits Required for Furnace, Hot Water Tank and Air Conditioner Replacements

### New T.I:

*Permits are required for the replacement of all electrical equipment such as electric or gas furnaces, roof top units, electric hot water tanks, and air conditioning units, etc.*



# 2022 Winnipeg Electrical By-law

## 2-136 Sunlight Resistance Requirements

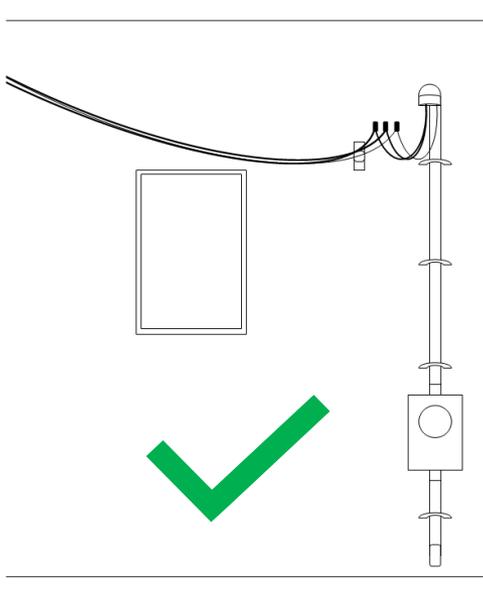
### New Subrule 2):

- 1) *Insulated conductors and cables and totally enclosed non-metallic raceways installed and used where exposed to direct rays of the sun shall be marked for the purpose.*
- 2) ***Where the outer covering of a cable assembly marked sunlight resistant has been removed for termination of the cable, and the inner jacket or insulation of the internal conductors is exposed to direct rays of the sun, the internal insulated conductors shall be***
  - a) *marked as sunlight resistant; or*
  - b) *protected by tubing, tape, or equivalent that is marked as sunlight resistant.*

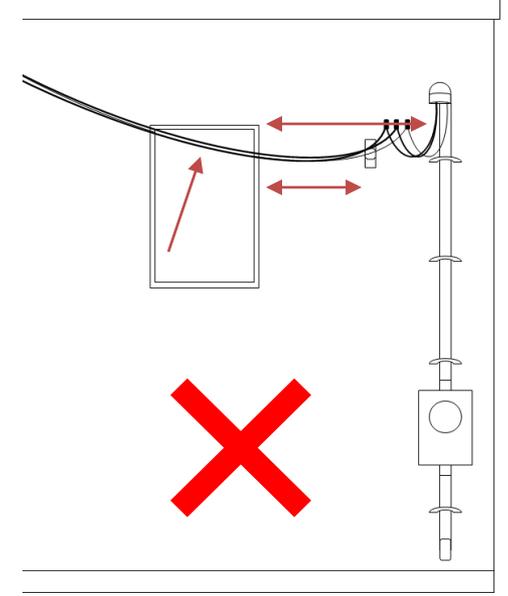


# 2022 Winnipeg Electrical By-law

## 6-112 Support for the Attachment of Overhead Supply or Consumer's Service Conductors or Cables



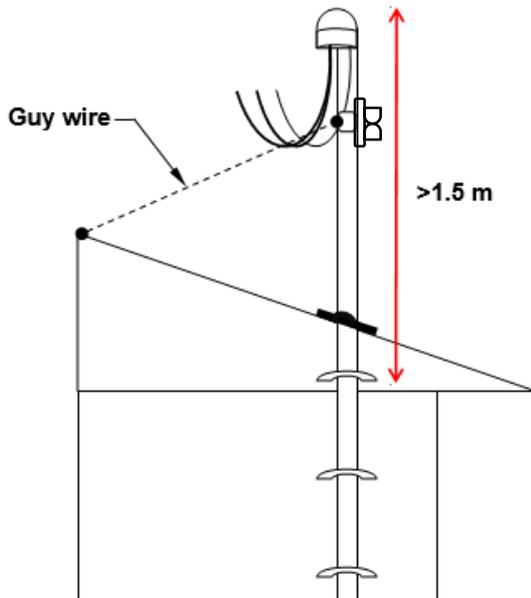
- The exposed service conductors including both the overhead supply conductors and customer owned service conductors, must be a minimum distance of 1 m from the window unless above the window.
- The minimum clearance is required even if the window cannot be opened.



# 2022 Winnipeg Electrical By-law

## 6-112 Support for the Attachment of Overhead Supply or Consumer's Service Conductors or Cables (cont'd)

**From Appendix B:**



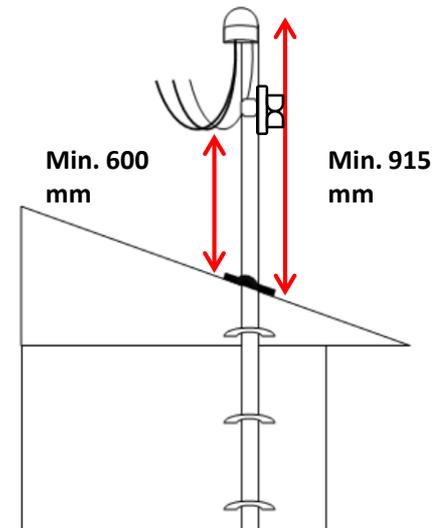
*...the maximum unguyed projection of the support member does not exceed 1.5 m, the cantilever load does not exceed 270 kg, three support clamps are used, the upper one being located at the roofline and the other two being installed on the wall of the building...*

# 2022 Winnipeg Electrical By-law

## 6-112 Support for the Attachment of Overhead Supply or Consumer's Service Conductors or Cables (cont'd)

### From Appendix B (cont'd):

*...a clearance of not less than 915 mm is provided between the roof and the supply service attachment, except that the clearance may be reduced to 600 mm to the bottom of the drip loops.*



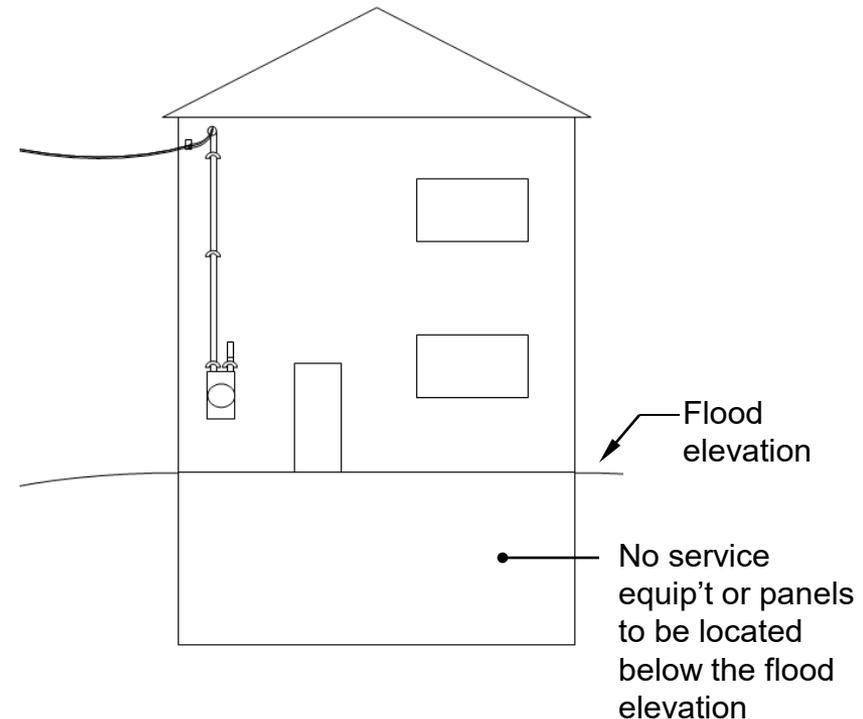
# 2022 Winnipeg Electrical By-law

## 6-206 Consumer's Service Equipment Location

### New Item 1) c) v):

- 1) *Service boxes or other consumer's service equipment shall be*
  - c) *except as provided for by Subrule 3), placed within the building being served as close as practicable to the point where the consumer's service conductors enter the building and not be located in;*

**Δ v) areas below the flood elevation;**



# 2022 Winnipeg Electrical By-law

## 6-206 Consumer's Service Equipment Location (cont'd)

### Revised T.I:

6-206 Existing Services and Panelboards Located Below the Flood Elevation

Item 6-206 1) c) v) Consumer's Service Equipment Location

***An existing service entrance rated panelboard installed before August 15, 1981 may be replaced in the same location in accordance with the Manitoba Regulation 266/91 Section 8, Item (b), however service upgrades are required to meet current Code.***

# 2022 Winnipeg Electrical By-law

## 8-104 B Variable Demand Characteristics

**New T.I:**

### **Rule 8-104 Maximum circuit loading**

*Where only a single maximum ampacity is listed on the equipment nameplate for electrical equipment capable of variable demands, the equipment shall be wired to the ampacity displayed on the nameplate.*



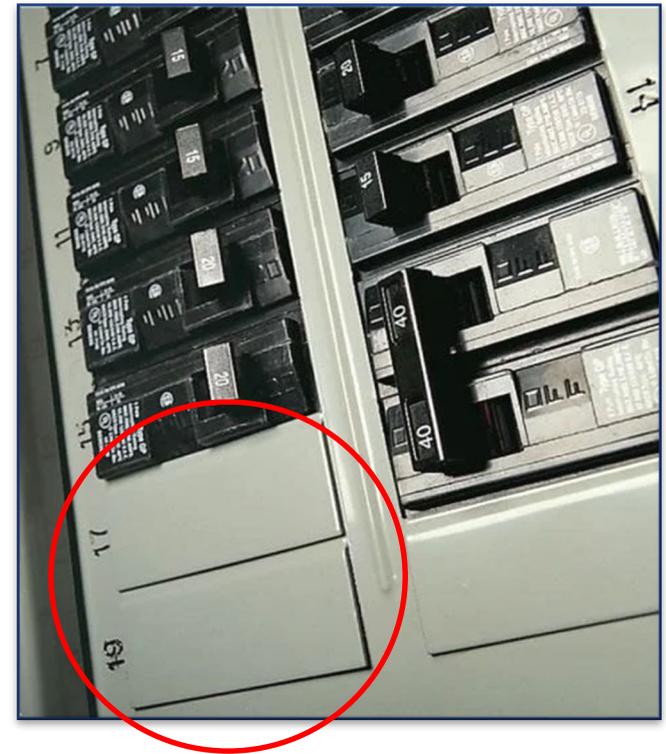
**The manufacturer's installation instructions may allow a lower overcurrent than what is stated on the nameplate however, the wire shall be full size.**

# 2022 Winnipeg Electrical By-law

## 8-108 Number of Spaces for Branch Circuit Overcurrent Devices

### Revised Rule:

- 1) *Panelboards installed in **single dwellings** shall, at the time of the original installation, have at least four additional spaces left for future overcurrent devices with provision for a two-pole device.*
- 2) *Panelboards installed in each dwelling unit in an **apartment or similar building** shall, at the time of the original installation, have at least two additional spaces left for future overcurrent devices with provision for a two-pole device.*



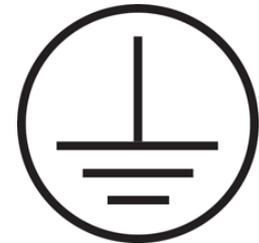
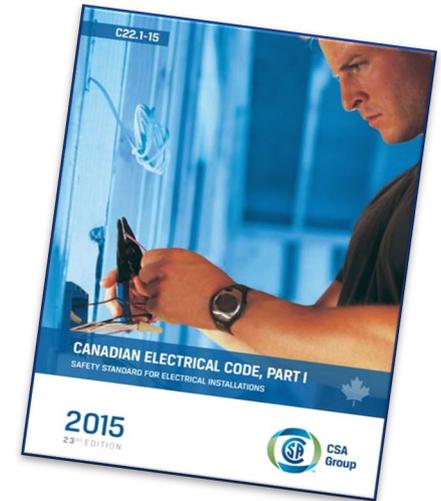
# 2022 Winnipeg Electrical By-law

## Section 10 – Grounding and Bonding

The Winnipeg Electrical By-law makes many amendments to Section 10, but in most cases simply reverting back to 2015 CECode Rules.

Highlights:

- Rule 10-210 (*Grounding connections for solidly grounded ac systems supplied by the supply authority*) struck out in its entirety and replaced,
- Deleted 10-212 2) (*Grounding connections for solidly grounded separately derived as systems*),
- Added 10-612 (*Installation of equipment bonding conductors*).



# 2022 Winnipeg Electrical By-law

## 10-102 Grounding Electrodes

### TI for use of single rod grounding electrodes

1. Item 10-700 2) a) for manufactured rod grounding electrodes has been relaxed in its application to permit the use of a single copper-clad rod as a grounding electrode provided the following conditions have been met:
  - a. The service is single phase and not greater than 200 amperes and 150 volts to ground; and
  - b. The service is temporary or supplies a bus shelter, cable television distribution equipment, or other similar installation.
  - c. The service supplies a sign and is not greater than 100 Amps and 150 Volts to ground.

**For permanent electrical services, a code compliant grounding electrode(s) is required. The practice of providing one ground rod during construction is no longer permitted for dwellings.**

# 2022 Winnipeg Electrical By-law

## Section 12 - Wiring Methods

Raintight connectors are required on all electrical raceways and cables entering enclosures in areas deemed a wet location. This includes top, side and bottom entry of a rated enclosure.

Where a fitting does not provide a seal, O-Rings shall be installed between the connector and enclosure to maintain the rating of the enclosure.



# 2022 Winnipeg Electrical By-law

## 12-010 Wiring in Ducts and Plenum Chambers

### T.I Removed:

#### 12-010 A Wiring and Boxes in Return Air Ducts and Plenum Chambers

*Subrule 12-010 5) is relaxed to include all return air plenums that are constructed of combustible joists in single dwellings.*

*Device boxes, outlet boxes and recessed light fixtures should be located outside of return air ducts and plenums wherever possible. However, where not practicable, device and outlet boxes recessed into return air ducts/plenums must be the airtight type complete with gaskets. Pot lights recessed into return air ducts/plenums are required to be IC rated, airtight and gasketed.*

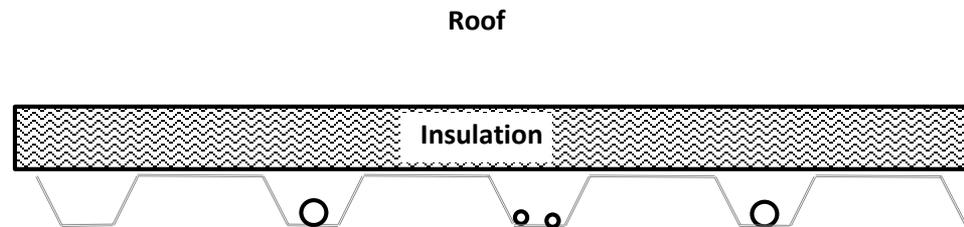
**The relaxation for single dwellings as noted above has been removed. Electrical equipment, including outlet and device boxes, recessed light fixtures, etc. are no longer permitted in boxed-in joist spaces forming return air ducts and plenums.**

# 2022 Winnipeg Electrical By-law

## 12-022 Cables or Raceways Installed in Roof Decking Systems

### New Rule:

Where wiring is concealed within the roof decking system, a warning label shall be affixed at all permanently installed roof access points, where provided, and in conspicuous locations in the roof area where the wiring is installed.



# 2022 Winnipeg Electrical By-law

## 12-514 Protection of Cables in Non-Concealed Locations

### Revised Rule:

- 1) *Cables shall be protected from mechanical damage in the form of running boards or guard strips when they are installed in the following locations:*
  - a) *the upper faces of ceiling joists in attic or roof spaces, where the vertical distance between the joists exceeds 1 m;*
  - b) *the lower faces of exposed ceiling joists;*
  - c) *the open face of wall studs; or*
  - d) *where the cable is exposed and is installed less than 1.5 m above the floor.*

# 2022 Winnipeg Electrical By-law

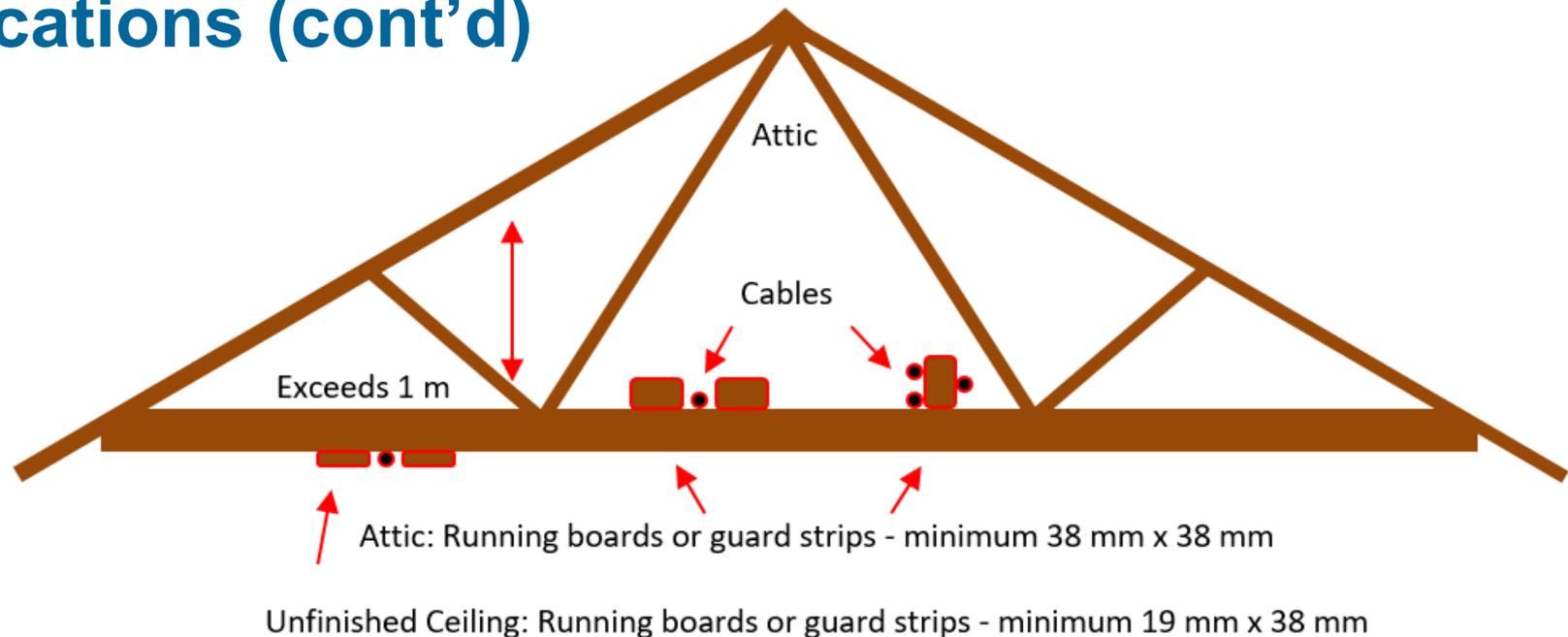
## 12-514 Protection of Cables in Non-Concealed Locations (cont'd)

### Revised Rule:

- 2) *Running boards and guard strips shall be at least 19 mm × 38 mm, and the edges of the running board shall project at least 12 mm beyond the cables.*
- 3) *Guard strips shall be at least as high as the cable and placed as close to the cable as practicable*
- 4) *Running boards or guard strips installed on the upper face of ceiling joists in attic or roof spaces shall be at least 38 mm × 38 mm.*
- 5) *Notwithstanding Subrules 1) to 4), this shall not apply to fished in cable installations*

# 2022 Winnipeg Electrical By-law

## 12-514 Protection of Cables in Non-concealed Locations (cont'd)



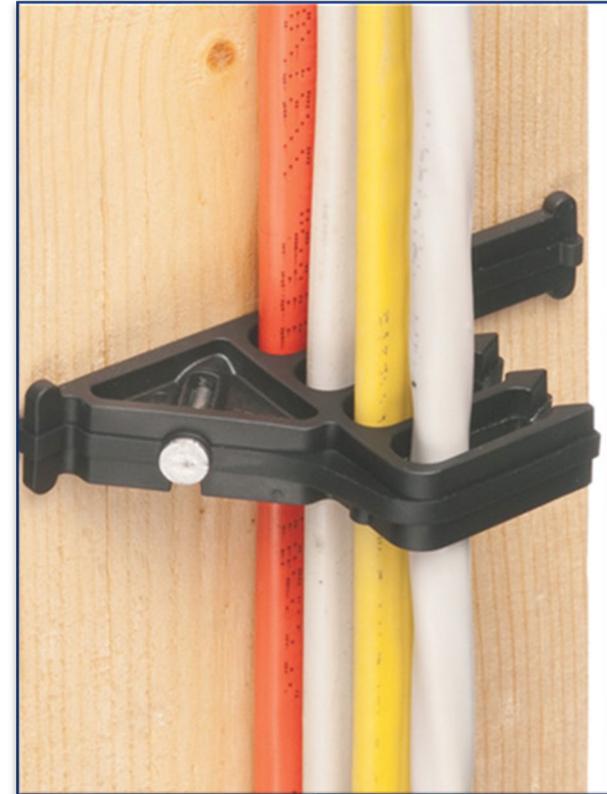
**For renovations, cables run in attics are to be kept in areas under 1 m to satisfy Subrule 5).**

# 2022 Winnipeg Electrical By-law

## 12-516 Protection for Cable in Concealed Installations

### Revised Subrule 2):

- 2) *Where the cable is run along studs, joists, or similar members, the cable shall be
  - a) kept a minimum of 32 mm from the edges of the members that can be covered by drywall or a similar material; or
  - b) protected from mechanical damage by corrosion-resistant ferrous metal not less than 1.3 mm thick, securely fastened in place, extending beyond the face of the member in such a manner that it will cover the width of the cable or group of cables.*



# 2022 Winnipeg Electrical By-law

## 12-930 Raceways Installed Underground or Where Moisture May Accumulate

### Revised Item 1) b)

1) *The requirements for Category 1 locations as specified in Section 22 shall be complied with where raceways are installed*

*a) underground;*

**Δ** ***b) in concrete slabs or other masonry in direct contact with the earth; or***

*c) in other locations where the conductors are subject to moisture*



# 2022 Winnipeg Electrical By-law

## 20-300 Spray Booth Field Certification



### **New T.I:**

*Site assembled spray booths require a field evaluation by an accredited field evaluation agency.*

*The agency must be accredited for the certification of electrical equipment intended for use in, or that creates a hazardous location.*

# 2022 Winnipeg Electrical By-law

## 26-652 Branch Circuits Below Ground Level in Areas Designated as Flood Hazard Zones

### New Rule:

*Where branch circuits are located below ground level in areas designated as flood hazard zones, ground fault protection shall be provided to de-energize all normally ungrounded conductors with a ground fault setting sufficient to allow normal operation of connected loads under normal conditions.*



# 2022 Winnipeg Electrical By-law

## 26-652 Branch Circuits Below Ground Level in Areas Designated as Flood Hazard Zones

**New T.I.:**

**Allowance for existing construction.**

*The GFCI protection shall be located above the flood hazard zone. For renovations or alterations, the protection shall not be located at an elevation lower than the existing panelboard feeding the branch circuit.*



# 2022 Winnipeg Electrical By-law

## 26-656 Branch Circuits for Dwelling Units

**New Subrules b) and c):**

*Branch circuits for dwelling units (including single dwellings) shall meet the following requirements:*

- b) where an additional dwelling unit is created by subdivision of a dwelling unit, the smoke alarms and carbon monoxide alarms installed in the additional dwelling unit shall be permitted to be connected to a branch circuit installed in the original dwelling unit, as required by Rule 32-200, provided that*
- i) the panelboard supplying the branch circuit is labelled in a conspicuous, legible, and permanent manner to indicate that it supplies smoke alarms and carbon monoxide alarms in the additional dwelling unit; and*
  - ii) the panelboard in the additional dwelling unit is labelled in a conspicuous, legible, and permanent manner to indicate that the branch circuit disconnecting means for the respective smoke alarm and carbon monoxide alarm circuit is in the original dwelling unit;*

# 2022 Winnipeg Electrical By-law

## 26-656 Branch Circuits for Dwelling Units (cont'd)

### **New Subrules b) and c):**

*Branch circuits for dwelling units (including single dwellings) shall meet the following requirements:*

*c) notwithstanding Item a), where a single panelboard is installed as permitted by Rule 26-602 1) b), branch circuits from that panelboard shall be permitted to supply outlets or electrical equipment in the dwelling units created by the subdivision of the single dwelling;*

**Note: A “subdivision of a dwelling unit” includes attached secondary suites.**

# 2022 Winnipeg Electrical By-law

## 26-658 A “Dead Front” Arc-Fault Protection Devices

### Revised T.I:

An arc-fault “dead front” device will be accepted as suitable AFCI protection for receptacles required to be on a separate branch circuit, eg: wash machine, microwave, etc., where it is demonstrated that an arc-fault from the panel manufacturer is not available or the existing panel doesn't afford the space for an arc-fault breaker. The “dead front” arc-fault device must be installed adjacent to the panel supplying the circuit, wired as per 26-658 2) b) and labelled as to the appliance it protects.



# 2022 Winnipeg Electrical By-law

## 26-658 A “Dead Front” Arc-Fault Protection Devices (cont’d)

“Dead front” arc-fault devices will not be accepted for new construction unless it can be demonstrated that nuisance tripping has been identified with the arc-fault breaker and reported by filing an AFCI Product Assistance Report to Electro Federation Canada at [electrofed.com](http://electrofed.com).

Refer to our Arc Fault Bulletin  
[winnipeg.ca/ppd/Documents/InfoCentre/InformationBulletins/2019/2019-002-E.pdf](http://winnipeg.ca/ppd/Documents/InfoCentre/InformationBulletins/2019/2019-002-E.pdf)



# 2022 Winnipeg Electrical By-law

## 26-712 Sump Pump Receptacles

### New Rule:

*For buildings located in a flood hazard zone, sump pump receptacles referred to in Rule 26-658 1) b) shall be*

- a) located above the flood elevation; or*
- b) marked as suitable for submersion.*

**Note that this is only for buildings in flood hazard zones. The Province refers to these areas as “flood fringe.”**

**Sump receptacles located in the floor framing and above the flood elevation (e.g. main floor joists) may satisfy this Rule.**

**Sump pumps with extra long cord ends are available.**

# 2022 Winnipeg Electrical By-law

## 26-656 & 26-724 Branch Circuits and Receptacles

Requirements for Rules 26-656 and 26-724 for driveway receptacles has been expanded to include parking pads and other similar vehicle parking locations.

### Revised Rules:

#### *26-656 Branch circuits for dwelling units*

- i) at least one branch circuit shall be provided solely for the receptacles provided for the driveway, **parking pad, and other similar locations where there is provision for vehicle parking** in accordance with 26-724 d).*

#### *26-724 Receptacles for single dwellings*

- d) at least one receptacle shall be provided for each driveway, **parking pad, and other similar locations where there is provision for vehicle parking.***



# 2022 Winnipeg Electrical By-law

## 26-722 Receptacles for Kitchen Islands and Peninsulas

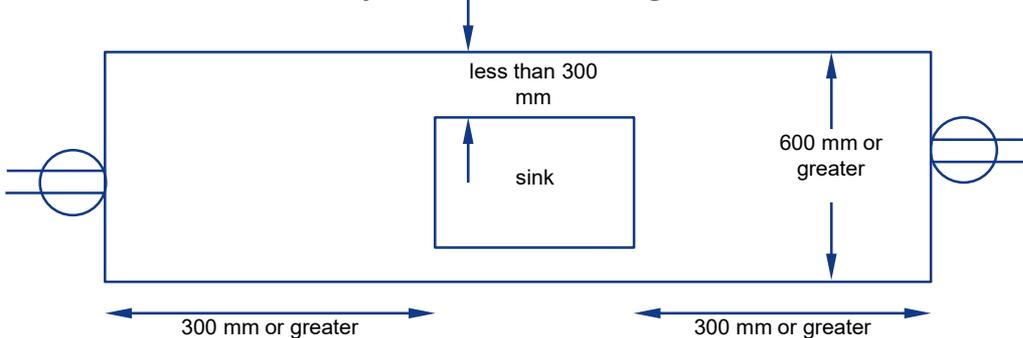
### Revised T.I:

- 2) *The Appendix B note to items 26-722 d) iv) and v) states that a continuous counter surface is one that is not interrupted by sinks, ranges and other built-in equipment.*
- 3) *Receptacles for kitchen island and peninsular counter spaces shall be located in one or more of the following:*
  - a) *On or above the countertop or work surface, but not more than 500 mm above it.*
  - b) *Below the countertop or work surface but not more than 300 mm below it and not located where the countertop or work surface extends more than 150 mm beyond its support base.*

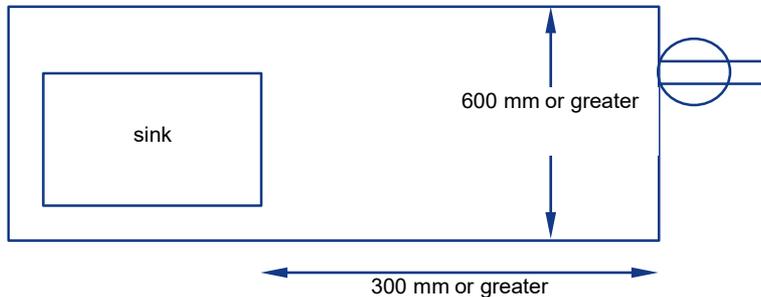
# 2022 Winnipeg Electrical By-law

## 26-722 Receptacles for Kitchen Islands and Peninsulas (cont'd)

Generally, a receptacle is required for each island/peninsular counter space that is 300 mm by 600 mm or greater:



A minimum of two receptacles are required. – one for each counter space on either side of the sink.



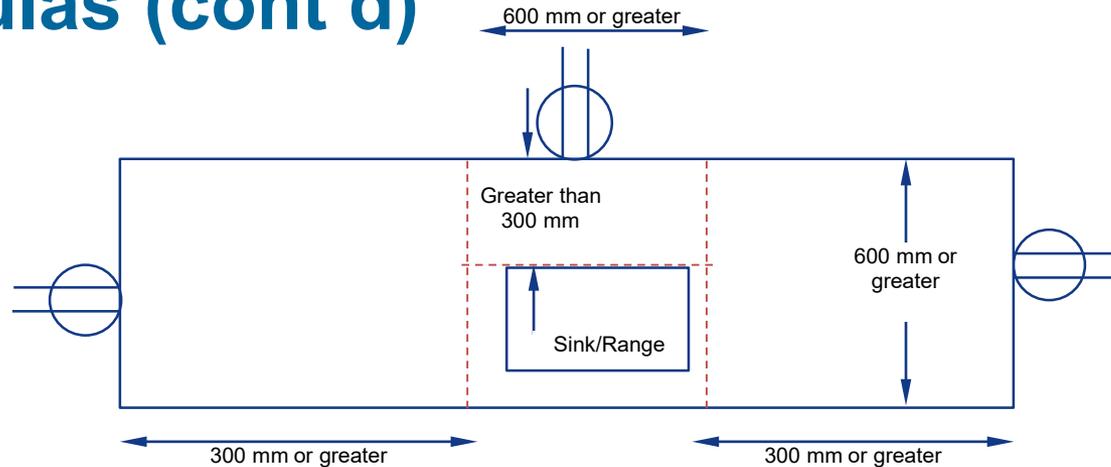
A minimum of one receptacle is required.

[winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm](http://winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm)

See next slide...

# 2022 Winnipeg Electrical By-law

## 26-722 Receptacles for Kitchen Islands and Peninsulas (cont'd)

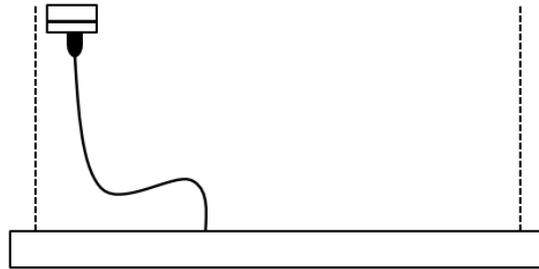


### Note:

- Per the intent of Subrule 26-700 8), a receptacle cannot be situated directly behind a sink if it is within 450 mm of the sink edge.
- A receptacle is not required on the portion of an island or peninsula that serves as a seating area with knee space such that the counter extends more than 150 mm beyond its support base.

# 2022 Winnipeg Electrical By-law

## 30-104 Cord Connected Lighting



### **New T.I:**

*Cord connected lighting must follow the Rules for luminaires including the protection requirements of 30-104. The maximum rating of an overcurrent device protecting a branch circuit containing luminaires, lampholders, or lighting track shall be followed. i.e. In a dwelling unit, no more than 15 Amp overcurrent may be used for all luminaires, including grow lights.*

# 2022 Winnipeg Electrical By-law

## 30-500 – 30-510 Luminaires in Buildings of Residential Occupancy

### 30-412 Tap connection conductors

No. 14 AWG copper tap connection insulated conductors shall be permitted for a single luminaire, and for luminaires mounted in a continuous row as specified in Rule 30-310 1), on a branch circuit protected by an overcurrent device rated or set at 20 A, provided that the tap connection insulated conductors

- a) have an ampacity not less than the rating of the single luminaire or the luminaires mounted in a continuous row as specified in Rule 30-310 1); and
- b) do not exceed 7.5 m in length.

Δ 30-500 — *Reserved for future use.*

### Lampholders

#### 30-600 Connections to lampholders

The identified insulated conductor, if present, shall be connected to the lampholder screwshell.

### New Rules:

Due to the redundancy with the National Building Code of Canada, the Canadian Electrical Code elected to delete Rules 30-500 to 30-510 for luminaires in buildings of residential occupancy. The Winnipeg Electrical By-law will retain the 2018 Canadian Electrical Code Rules for this Section.

# 2022 Winnipeg Electrical By-law

## Notes to Contractors

# 2022 Winnipeg Electrical By-law

## Building Construction/Alteration and Existing Energized Services

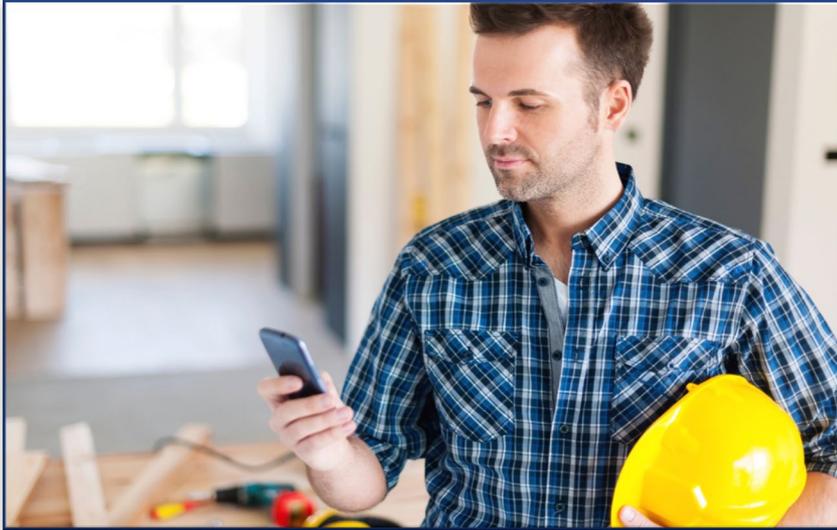


Where alterations to buildings create interference with an existing energized electrical service, Code minimums and safety must be maintained. Where that is not possible due to the complexities of construction, a temporary service will be required.

Contractors are reminded that a failure to comply may result in an unsafe condition resulting in a By-law Violation Notice being served with notification to Workplace Safety and Health and the Utility.

# 2022 Winnipeg Electrical By-law

## Alternate Video Inspections



The [Alternate Video Inspections](#) (AVI) program was developed as an alternative to in-person interior, occupied residential inspections. Through this program, the Housing Inspections Branch uses informational drawings and a smart phone with Google Duo video conferencing to satisfy the inspection process for occupied Housing Inspections.

This program is open to both homeowners and contractors who are permit applicants for residential construction projects that are occupied or partially occupied.

# 2022 Winnipeg Electrical By-law

## Residential Mechanical Photo Submission Program

The [Residential Mechanical Photo Submission \(RMPS\)](#) program provides efficient inspection services to licenced electrical contractors who install air conditioners, gas or electric furnaces, or electric hot water tanks. Only Electrical Residential (ER) permit types are eligible for this program.

The RMPS program allows contractors to submit specific photographs of their installation, along with required documentation, to satisfy the inspection process. No registration is necessary. To be eligible for this service, you must be an electrical contractor licenced by the City of Winnipeg and have a Permits Online account. The City of Winnipeg will perform random onsite inspections for compliance at the City's discretion.

[winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm](http://winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm)



The screenshot shows a web page titled "Residential Mechanical Photo Submission Program" under the "Planning, Property & Development" department. The page includes a search bar, a navigation menu with options like "Introduction", "Electrical Info Centre", and "Fees & Charges", and a main content area with the following text:

**Residential Mechanical Photo Submission Program**

The Residential Mechanical Photo Submission (RMPS) program provides efficient inspection services to licenced electrical contractors who install air conditioners, gas or electric furnaces, or electric hot water tanks. Only Electrical Residential (ER) permit types are eligible for this program.

The RMPS program allows contractors to submit specific photographs of their installation, along with required documentation, to satisfy the inspection process. No registration is necessary. To be eligible for this service, you must be an electrical contractor licenced by the City of Winnipeg and have a [Permits Online](#) account. The City of Winnipeg will perform random onsite inspections for compliance at the City's discretion.

**Program Details**

**Eligible installations include:**

-  Air Conditioners
-  Gas or Electric Furnaces
-  Electric Hot Water Tanks

# 2022 Winnipeg Electrical By-law

## Contractor Responsibilities

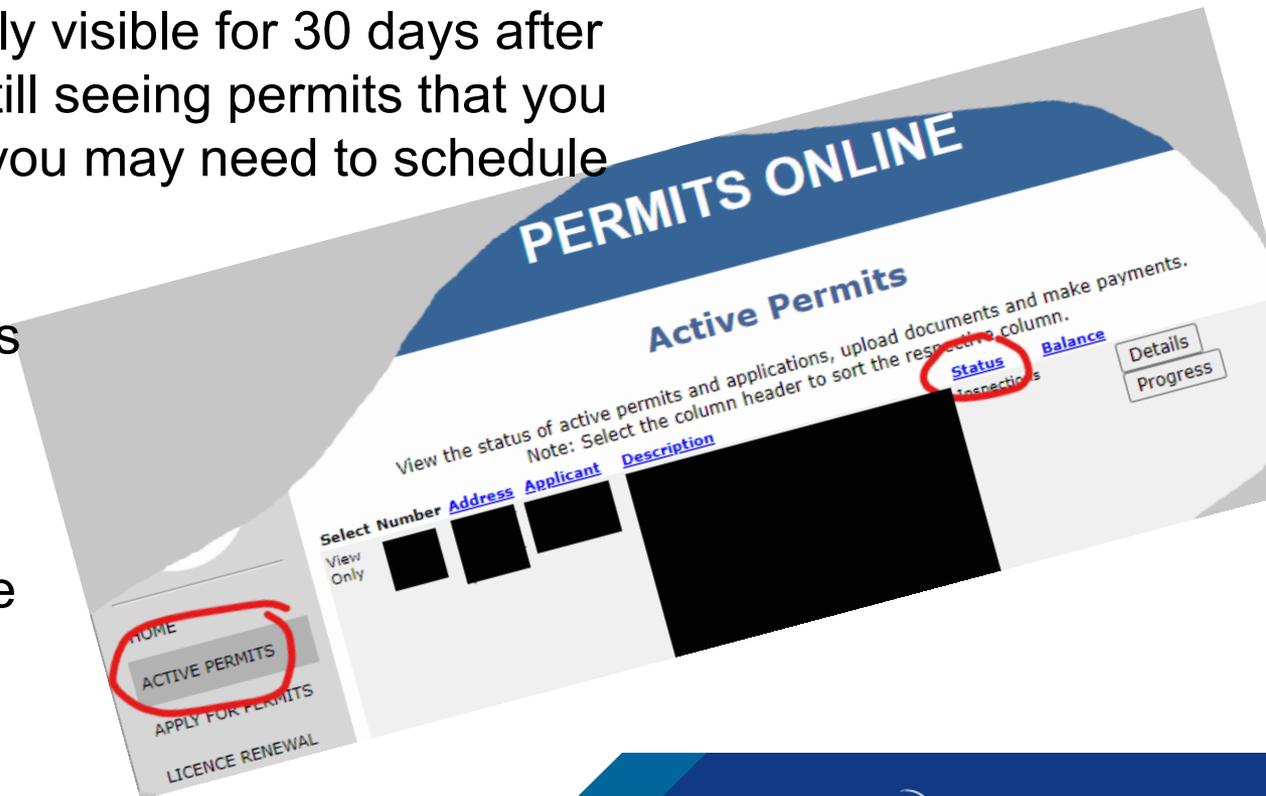
Some reminders for permit holders:

- Call for inspections prior to covering
- Call for final inspections and ensure the permit gets closed.
- Contractors are responsible for all work under their permits
- Arrange to have all open permits inspected and closed before retiring, leaving or closing a business or letting your licence expire.
  - Use Permits Online to check for open permits

# 2022 Winnipeg Electrical By-law

## Permits Online Tips – Active Permits

- View open permits under “Active Permits”
- Closed permits are only visible for 30 days after closing so if you are still seeing permits that you thought were closed, you may need to schedule a final inspection.
- A status of “Final” does not indicate a closed permit. “Final” means it’s ready for final inspection so schedule that inspection!



# 2022 Winnipeg Electrical By-law

## Permits

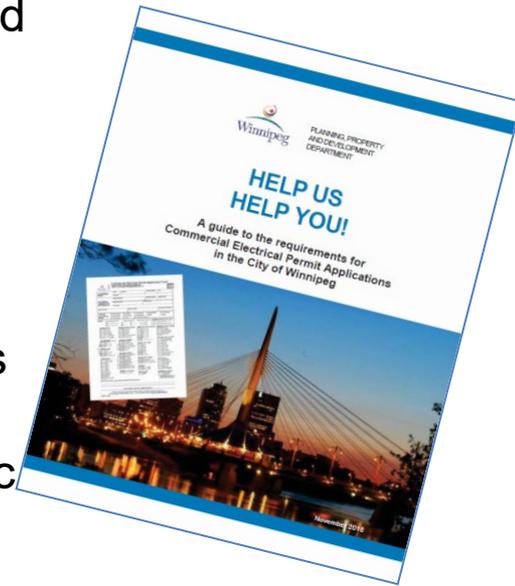
There are two permit streams depending on building type and scope of work.

- (EC/ES) Electrical Commercial and Sign Permits
  - All commercial and industrial properties.
  - Electrical sign permits
  - Residential electrical services over 200 amps
- (ER) Electrical Residential Permits
  - Single detached dwellings, duplexes, triplexes, fourplexes, rowhouses, secondary suites and associated accessory structures.

# 2022 Winnipeg Electrical By-law

## Permits

- Incorrect and incomplete permit applications get put on hold and can delay issuance, attempts to get work inspected, and occupancy.
- Providing a detailed description of work aids us when the contractor is not on site and helps prevent any future additional fees for work without permit. Information such as correct address, unit numbers, business name, description of work being done, associated building or sign permits, etc help immensely. For commercial work, use the HUHYP booklet as a guide.
- **A fee of \$168 (2022) may be applied when incorrect or insufficient information is provided on permit applications.**



# 2022 Winnipeg Electrical By-law

## City Emails

- **Issued permit** email
- **Inspection defects** emails for Housing permits (ER)
- **Inspection completion** email
- **Permit expiry** notices
- **Annual (EA) permit logbook** reminder emails
- **Industry notice** emails
- **Licence expiry** reminder emails
  
- These are important emails; don't miss out:
  - Ensure your email server has "winnipeg.ca" listed as a trusted site (ie: not blocked) as some of these are mass emails that some email servers think are spam.
  - Suggest set up email rules to send City emails to a separate folder.
  - **Ensure we have a correct and valid email address on file.**

# 2022 Winnipeg Electrical By-law

## Electrical Information Centre

New look as of March 2022!

Lots of useful information and one-stop access to everything electrical.

[winnipeg.ca/ppd/infocentre/  
electrical/default.stm](http://winnipeg.ca/ppd/infocentre/electrical/default.stm)

[winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm](http://winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm)

The screenshot shows the Winnipeg Electrical Information Centre website. At the top, there is a blue header with the text "Planning, Property & Development". Below the header, a breadcrumb trail reads "Home : Planning, Property & Development : Building & Renovating : Electrical Info Centre". The main heading is "Electrical Information Centre". A light blue box contains a notice: "The Zoning & Permits Branch is not accepting walk-in customers and permit applications must be submitted digitally. If you have any questions, call Permits Direct Line at 204-986-5140." Below this, a yellow-bordered box highlights the "Winnipeg Electrical By-law 72/2022 Enforced July 1, 2022". The text inside this box states: "The requirements of the 2021 Canadian Electrical Code, including local amendments, will be enforced by the City of Winnipeg starting July 1, 2022 via Winnipeg Electrical By-law No. 72/2022. All building and electrical permits with no related building permit, with an application in-date of July 1, 2022 or after, will be subject to the requirements of the 2022 Electrical By-law. Refer to the "2022 Electrical Code, PowerPoint presentation" posted on the Information Bulletins page on Monday, June 6, 2022 for highlights of changes to Code and Technical Interpretations, and helpful reminders." Below the yellow box, a paragraph states: "The Electrical Information Centre provides one convenient location for all City of Winnipeg permit-related electrical documents and information for both homeowners and professional contractors." At the bottom right of this section, there are links for "Expand all" and "Collapse all". Below this is a list of five categories: "1. Related brochures", "2. Forms and documents", "3. Contractor licencing & exams", "4. Fees & related bylaws", and "5. Related links".

# 2022 Winnipeg Electrical By-law

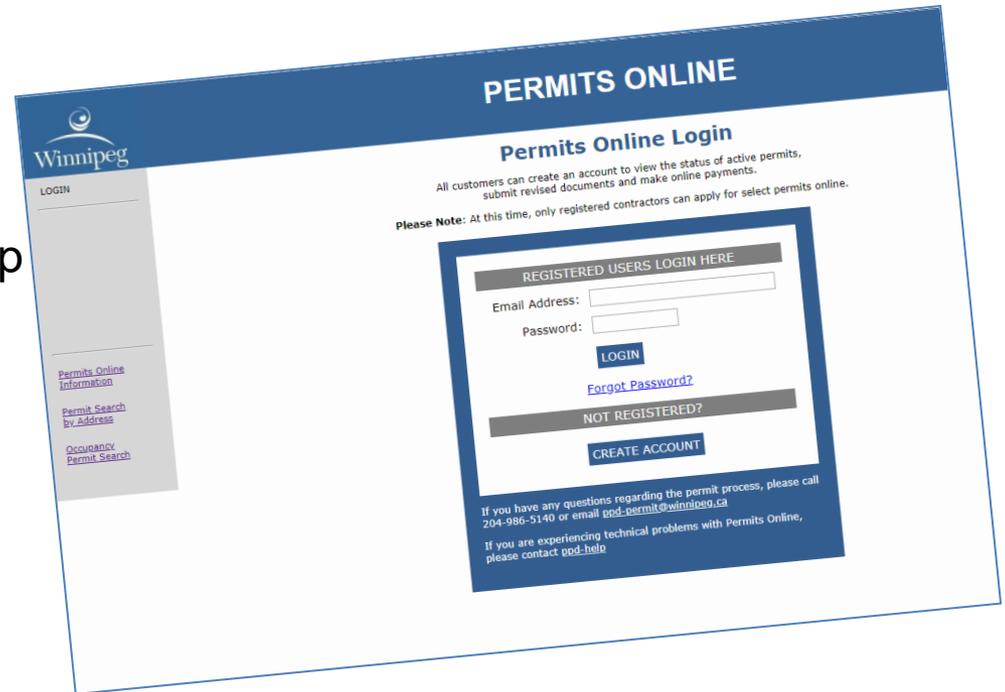
## Permits Online

If you are experiencing issues with Permits Online, please do not contact the Permits Office, PPD-Help or 311. Contact the Contractor Licencing desk directly at:

[contractorlicence@winnipeg.ca](mailto:contractorlicence@winnipeg.ca)

or

204-986-5189



# 2022 Winnipeg Electrical By-law

## Electrical Requirements in the Building Code

Many electrical requirements are listed in the Building Code:

- Life safety requirements
  - fire alarm
  - exit signs
  - emergency lighting
  - emergency power
- Lighting requirements
- FT ratings for conduit and wiring in combustible and non-combustible buildings

Check appendix G in your Electrical Code Book for Building Code references applicable to each section.

# 2022 Winnipeg Electrical By-law

## Electrical Requirements in the Building Code

The National Building Code and the Manitoba Building Code are available for **FREE** download online.

Access the 2010 (currently enforced) National Building Code of Canada at:

<https://nrc.canada.ca/en/certifications-evaluations-standards/codes-canada/codes-canada-publications>

Access the Manitoba Building Code (i.e.: Manitoba amendments to The National Building Code of Canada) at:

[https://web2.gov.mb.ca/laws/regs/current/\\_pdf-regs.php?reg=31/2011](https://web2.gov.mb.ca/laws/regs/current/_pdf-regs.php?reg=31/2011)

# 2022 Winnipeg Electrical By-law Questions?

Please submit questions to  
[contractorlicence@winnipeg.ca](mailto:contractorlicence@winnipeg.ca)

Responses to select questions submitted before August 1, 2022 will be added as additional slides to the presentation. Submitters names will not be made public.



# 2022 Winnipeg Electrical By-law

**Thank you**

[winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm](http://winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm)

