



AUTHORIZATION #89
REQUEST #694

Granted under section 13 of the *Designated Trades and Restricted Activities Regulation*, AR 161/2022

AUTHORIZATION

I, Stephen Neis, Acting Deputy Administrator for Designated Trades, pursuant to section 13 of the *Designated Trades and Restricted Activities Regulation* (DTRAR) hereby authorize **individuals** who are not otherwise permitted to perform restricted activities in the designated trade of **Electrician**, to perform only the following restricted activities of the designated trade, subject also to the restrictions and terms and conditions outlined below:

DTRAR

Schedule 2,

Section 43(2) The following activities, when performed within undertakings of the designated trade, are restricted activities within the designated trade of electrician:

- (a) interpreting electrical industry codes, including the CSA Standard C22.1, *Canadian Electrical Code, Part 1, Safety Standard for Electrical Installations* declared in force, as amended or replaced from time to time, by the *Electrical Code Regulation* (AR 209/2006);
- (c) using hand tools, power tools, testing equipment and specialty tools required by the designated trade;
- (h) installing, repairing, examining, operating, removing, replacing, altering, maintaining, connecting, testing, energizing and cleaning the following:
 - (iii) lighting fixtures and related electrical equipment and components;
- (i) installing, repairing, examining, removing, replacing, altering, maintaining, terminating, splicing, connecting, testing, energizing and cleaning the following:
 - (iv) lighting fixtures and related electrical equipment and components;

This authorization is subject to the following restrictions:

- restrictions 1 (1) The performance of the restricted activities under this authorization is restricted to:
- (a) primary ballast voltage rated at 150 volts to ground or less, and
 - (b) removal and replacement of ballasts and socket ends in existing luminaires with the same or equivalent parts.

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| does not
include | (2) This authorization does not include: <ul style="list-style-type: none"> (a) retrofitting or the changing of circuitry in existing luminaires, or (b) the installation of new fixtures. |
| does not
apply where
hazard
exists | (3) This authorization does not apply in or on premises, buildings, or parts thereof where there exists the hazard of fire or explosion according to the current amended electrical codes and standards adopted by regulation under the <i>Safety Codes Act</i> , R.S.A. 2000, c. S-1. |
| Safety
Codes Act | (4) All removals and replacements of ballasts and socket ends must be in accordance with the current amended electrical codes and standards adopted by regulation under the <i>Safety Codes Act</i> , R.S.A. 2000, c. S-1. |
| training
required | (5) The restricted activities under this authorization must be performed by individuals who: <ul style="list-style-type: none"> (a) hold a valid Building Operator B or Fifth Class Engineer's Certificate of Competency, or Building Operator A or Fourth Class Engineer's Certificate of Competency, or a valid certificate issued by the Alberta Boilers Safety Association indicating a higher level of competency, and (b) have successfully completed a minimum standard of training as outlined in Appendix "A" delivered by a person who holds a trade certificate or an endorsement in the designated trade of electrician, recognized under the <i>Skilled Trades and Apprenticeship Education Act</i> (Alberta). |

This authorization is subject to the following terms and conditions:

Term of authorization:

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| effective
date of
authorization | 2 (1) This authorization is effective from December 18, 2024 to and including December 17, 2025. |
| right to
withdraw | (2) Notwithstanding subsection (1), this authorization may be revoked or the terms and conditions may be altered any time pursuant to s. 13(3) of the DTRAR. |

Registry of employees

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| maintain
registry | 3 Each person employing individuals performing restricted activities under this authorization must provide, on request, a register of employees performing restricted activities under this authorization in accordance with the <i>Skilled Trades and Apprenticeship Education Act</i> (Alberta) or the <i>Personal Information Protection Act</i> (Alberta), or the <i>Freedom of Information and Protection of Privacy Act</i> (Alberta), as applicable. |
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Legislative requirements

all laws apply	4	Except as provided by this authorization, all other requirements of any municipal, provincial or federal legislation continue to apply.
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Authorized by:

Stephen Neis

Stephen Neis
Acting Deputy Administrator for Designated Trades
Skilled Trades and Professions
on December 18, 2024

TRAINING REQUIRED FOR AUTHORIZATION

1st Period Electrician Curriculum Guide/Companion Guide

1B. Demonstrate safety awareness and safe work practices. (Outcomes for this supporting competence include)

I. Apply safe work practices for electricians.

1. Identify electrical hazards.
2. Identify personal protective equipment requirements.
3. Describe inspection and maintenance procedures for personal protective equipment.
4. Identify arc flash hazards.
5. Describe methods to minimize arc flash hazards.
6. Describe safe work practices to prevent electrical shock.
7. Describe personal safety lock-out and tag-out procedures.

3A. Interpret and apply the CE Code. (Outcomes for this supporting competence include)

III. Determine the conductors required for installations.

1. Identify related CE Code terms.
2. Identify requirements for General subsection of conductors.
3. Apply rules to determine conductor sizes, using the appropriate tables and appendices.
4. Determine the allowable ampacity of a conductor given load current and conditions of use.
5. Determine the allowable ampacity of flexible cords and equipment wire and conditions of use.
6. Identify neutral conductors and determine their size.
7. State the CE Code standards for conductor colours.

VI. Determine installation wiring methods.

1. Identify related CE Code terms.
2. Identify the General Requirements.
3. Describe the conditions for use of exposed wiring located outdoors.
4. Describe the conditions for use of non-metallic sheathed cable.
5. Describe the conditions for use of armoured and mineral-insulated cable.
6. Describe the conditions for use of raceways.
7. Describe the installation of boxes, cabinets, and outlets.

VIII. Determine CE Code requirements for luminaires.

1. Define terms related to lighting and lighting installations.
2. Describe the different types of electric lighting sources.
3. Describe the requirements for interior and exterior lighting equipment.
4. Describe factors for the installation of lighting equipment.
5. Describe the methods of wiring various types of lighting equipment.
6. Describe the bonding requirements of lighting equipment.
7. Identify the ratings and control methods of lighting equipment.