



Advisory

July 11, 2016

Subject:

Receptacle protection for health care equipment

Background:

Currently, The City of Calgary electrical inspections do not require AFCI protection to be installed on a branch circuit when installing a hospital grade receptacle for home dialysis or other health care equipment in a home.

Advisory:

At a minimum, the installation requires a separate circuit, #12 AC90 ISO-BX, hospital grade receptacle. Ground fault circuit protection (GFCI) is required for the health care equipment if the receptacle is installed in a bathroom or is within 1.5 meters of a sink (washbasin complete with a drain pipe), bathtub or shower stall. GFCI for the branch circuit may also be necessary to meet the requirements of the equipment supplier.

This type of installation is temporary. Once the authority monitoring the equipment provides direction to remove the health care equipment, the electrical contractor on file will be notified by the health authority and will replace the hospital grade receptacle with an outlet branch-circuit-type arc-fault circuit interrupter (AFCI receptacle).

Contractors should reference Section 24 of the Canadian Electrical Code and CAN/CSA Z-32 for installation requirements.

Note:

For more information, see the [Alberta Municipal Affairs Electrical STANDATA](#).

For any questions or concerns, please contact electrical.TAC@calgary.ca.