

# Electrical Room Drawing

## File Format

AutoCAD (.dwg) in metric, with all drawings bound - no xrefs

Adobe PDF (.pdf)

## What is an Electrical Room Drawing?

An Electrical Room Drawing shows the location, size and shape of the electrical room, as well as the layout of the proposed equipment that is going to be installed. This includes all electrical, telecommunication and mechanical equipment.

## Why do we need it?

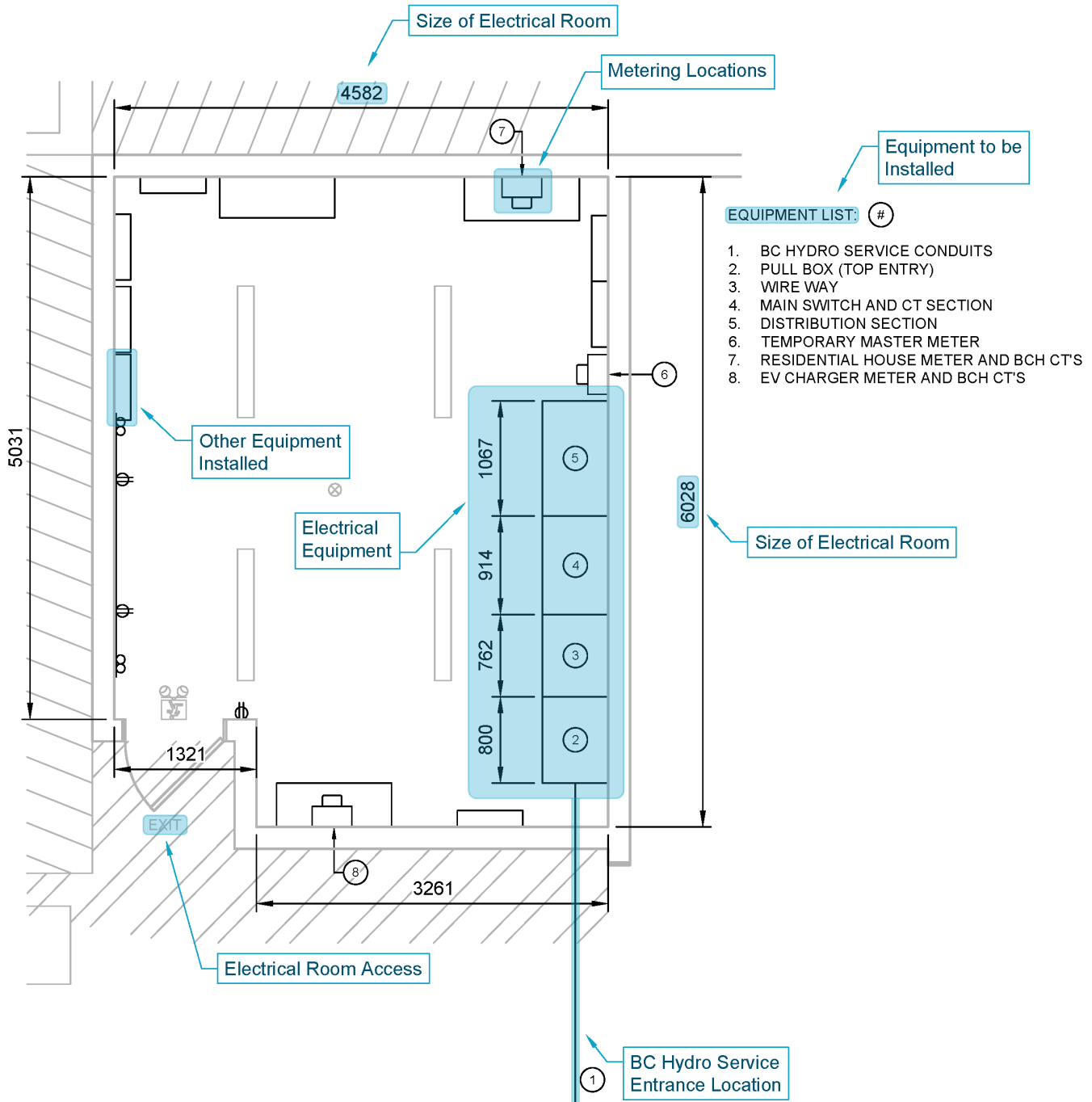
Your BC Hydro designer needs an Electrical Room Drawing to ensure that the dimensions, location and spacing of the room and associated electrical equipment will meet BC Hydro's requirements.

## What does it need to show?

What we need to see	How much detail is required?	Why do we need to see it?
<b>Electrical Room Location</b>	<ul style="list-style-type: none"> <li>Location of electrical room showing access to the exterior of the building or to an underground parkade</li> <li>Provide dimensions to show the size of the electrical room</li> </ul>	<ul style="list-style-type: none"> <li>To ensure the electrical room meets BC Hydro requirements for access and to ensure the electrical room meets the minimum clearance requirements to allow workers to install and operate the electrical equipment safely</li> </ul>
<b>Electrical Equipment to be Installed</b>	<ul style="list-style-type: none"> <li>A top-down view of the layout, and orientation of the electrical equipment to be installed, with horizontal distances shown to walls and other equipment</li> <li>A side view of the electrical equipment showing vertical distances from the floor to meter bases and connection points</li> <li>Location and dimension of the proposed service entrance (how BC Hydro service wires will be entering the electrical room)</li> <li>All electrical equipment to be clearly labelled on the drawing</li> </ul>	<ul style="list-style-type: none"> <li>To determine if the installation of any electrical equipment meets BC Hydro requirements based on what type of service you are requesting</li> <li>Distances will help determine if there will be any locations in which BC Hydro's minimum clearances will not be met</li> <li>Showing the proposed service entrance location will help the Designer determine the most effective way to provide the electrical service</li> <li>To clearly identify the different pieces of electrical equipment as each piece could have different clearance or installation requirements</li> </ul>
<b>Other Equipment Installed (i.e.: Telecommunications, etc.)</b>	<ul style="list-style-type: none"> <li>The location and orientation of any other equipment to be installed within the electrical room, including any telecommunications or mechanical equipment</li> </ul>	<ul style="list-style-type: none"> <li>To ensure that all equipment is placed to meet minimum clearances from BC Hydro's equipment</li> </ul>
<b>Contractor Supplied Shop Drawings</b>	<ul style="list-style-type: none"> <li>Detailed drawings provided by the supplier of any electrical equipment to be installed</li> </ul>	<ul style="list-style-type: none"> <li>To review that the dimensions and design of the proposed equipment meets the requirements of our regulatory departments</li> </ul>

For more detailed information, please refer to our [Distribution Technical Standards and Guides](#) on bchydro.com

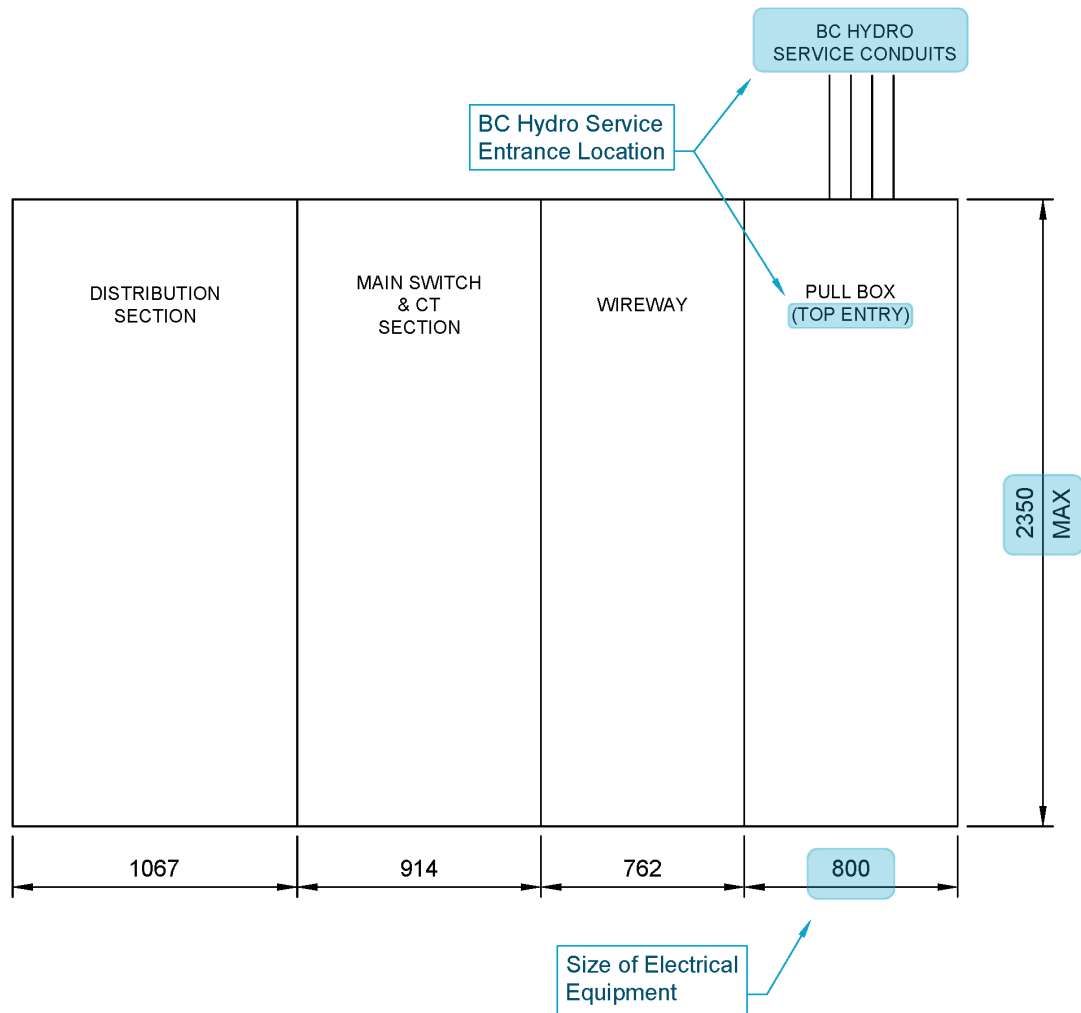
# Electrical Room (Plan View) Example



## Example of Required Information

The material and information shown in this document are intended for informational purposes only, and we'll be updating it from time to time. It has been created to emphasize common requirements, errors and omissions that can cause delays in the design process and may not reflect current industry and professional standards or requirements. It is not a substitute for legal, engineering or professional advice.

# Electrical Room (Elevation View) Example



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