

# Electrical Layout and Profile Drawing

## File Format

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

Adobe PDF (.pdf)

## What is an Electrical Layout and Profile Drawing?

An Electrical Layout and Profile Drawing shows the specific layout of the electrical system and equipment on the site. They often include load calculations for sizing the electrical service and distribution.

## Why do we need it?

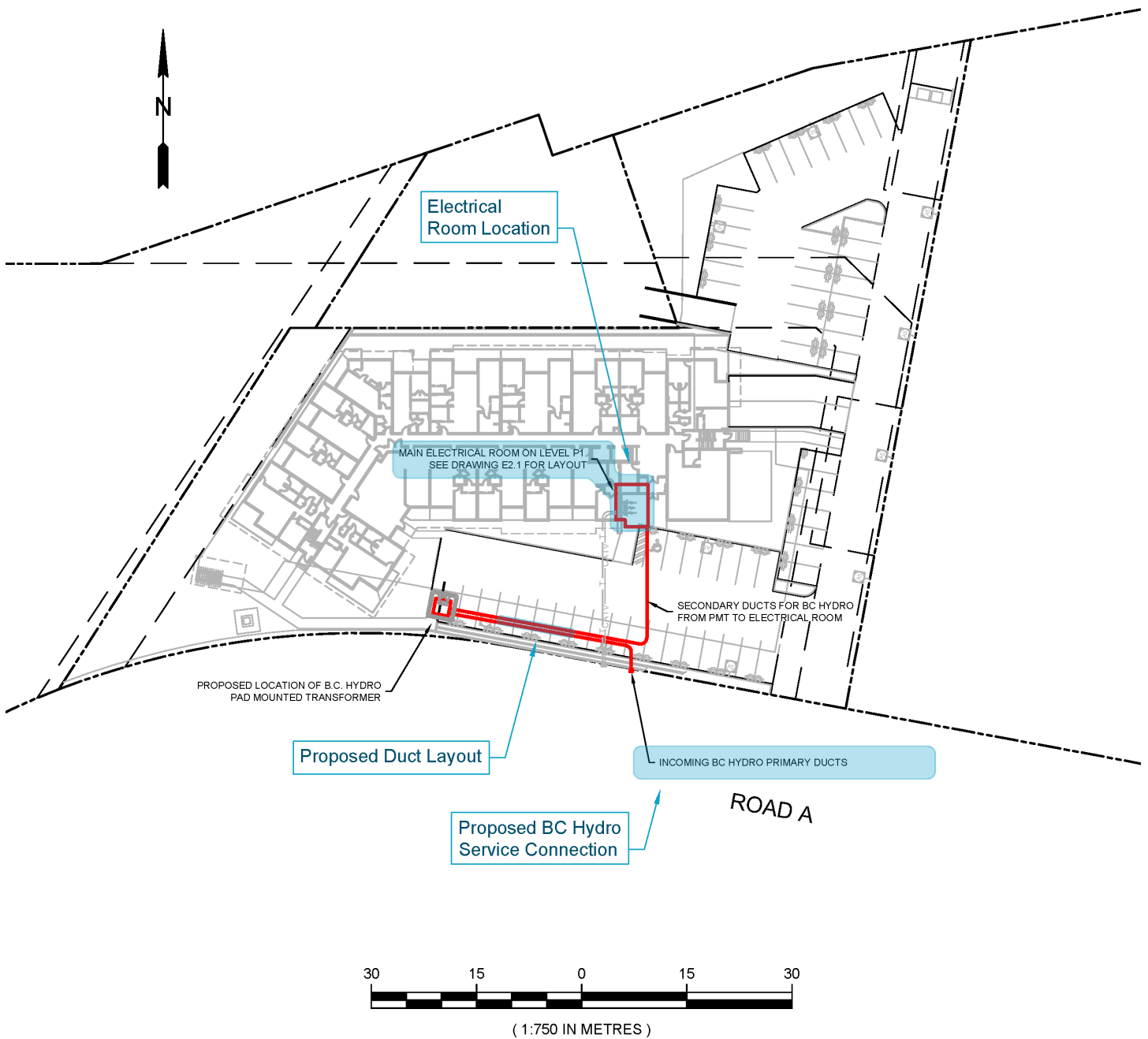
The configuration of the servicing and metering infrastructure on your site have requirements for how they will be installed. We need to see the locations of any of the electrical equipment to identify any potential conflicts. This drawing is often used alongside civil and electrical room drawings to give us a complete understanding of your site 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 Rooms</b>	<ul style="list-style-type: none"> <li>Location of all electrical rooms, including main service entry location and any sub-fed rooms</li> <li>BC Hydro connection locations</li> </ul>	<ul style="list-style-type: none"> <li>We have specialized installation equipment that needs adequate space to access, maintain and install our conductors and meters</li> </ul>
<b>Duct Layout</b>	<ul style="list-style-type: none"> <li>Proposed layout of BC Hydro duct within the site and building boundaries</li> <li>Proposed locations of any pull boxes</li> </ul>	<ul style="list-style-type: none"> <li>To verify we can install our conductors without damaging the cable or the ducts</li> </ul>
<b>Profile Views</b>	<ul style="list-style-type: none"> <li>Elevation details showing proposed BC Hydro duct and cable routing through building levels</li> <li>Locations of drainage connections</li> <li>Electrical room</li> </ul>	<ul style="list-style-type: none"> <li>To verify we can install our conductors without damaging the cable or the ducts</li> <li>To review that the proposed drainage meets our requirements and engineering standards</li> </ul>
<b>Electrical Room Layout (if included)</b>	<ul style="list-style-type: none"> <li>See <a href="#">Electrical Room Layout</a> Information Package for more information</li> </ul>	<ul style="list-style-type: none"> <li>See <a href="#">Electrical Room Layout</a> Information Package for more information</li> </ul>
<b>Single-Line Diagram (if included)</b>	<ul style="list-style-type: none"> <li>See <a href="#">Single-Line Drawing</a> Information Package</li> </ul>	<ul style="list-style-type: none"> <li>See <a href="#">Single-Line Drawing</a> Information Package</li> </ul>

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

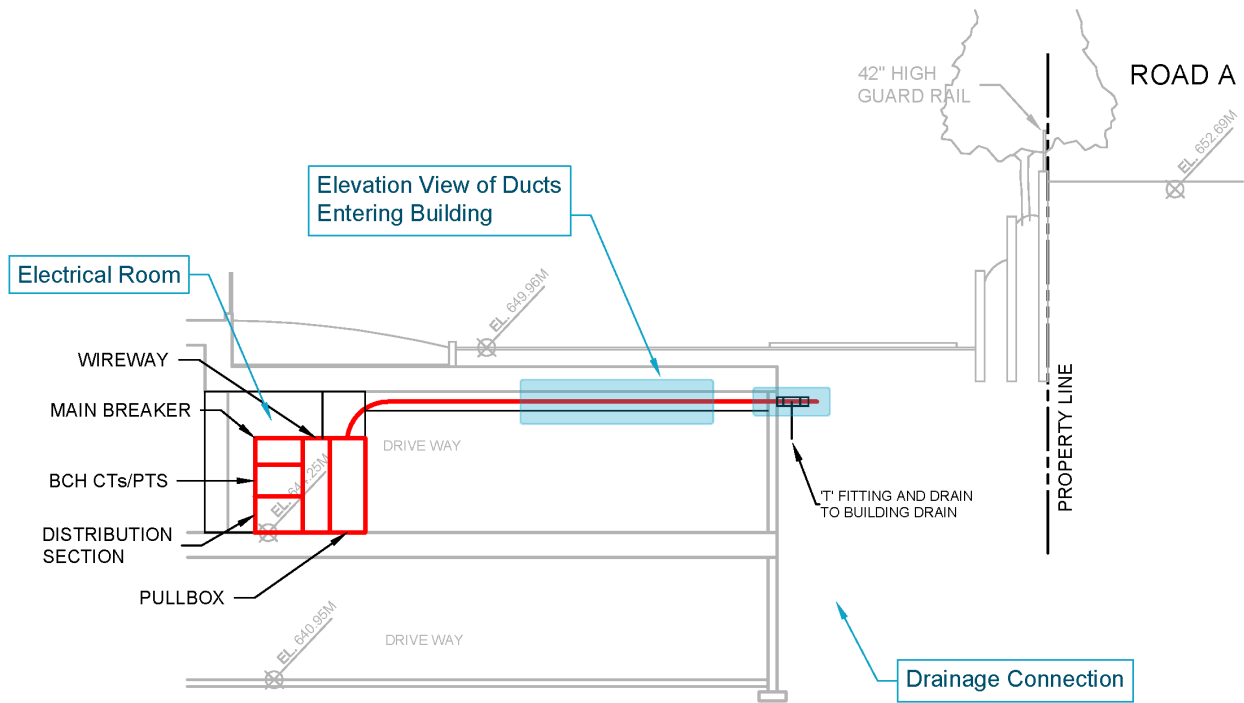
## Plan View of Duct Routing (Building Entry)



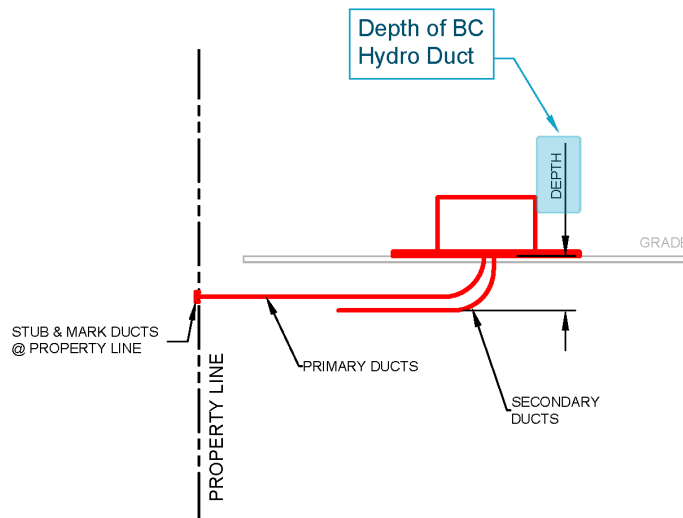
### Example of Required Information

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.

## Profile View of Duct Routing (Building Entry) Example 1



## Profile View of Duct Routing Example 2



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