CHARGING STATION INSTALLATION IN **MULTI-FAMILY** BUILDING

Summary of charging solutions to be implemented in apartments and condos to ensure that all co-owners have the availability of an electric vehicle charging station in their assigned parking.

DCC

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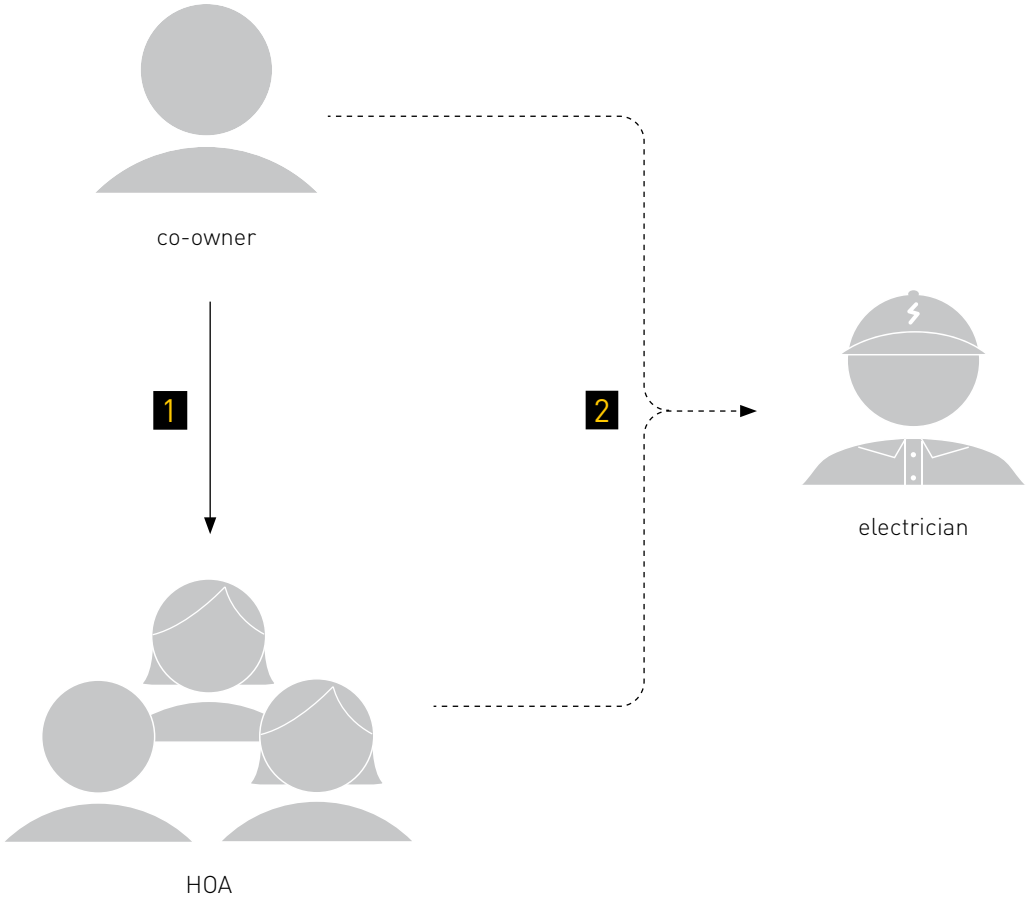
1

CONCERNED PARTIES

The concerned parties for charging station installation in a multi-family building are the co-owner, the electrician and the HOA.

To obtain a charging station in a assigned parking area, 1 the co-owner must send a request to the HOA and then 2 decide together who will pursue the procedures with the electrician.



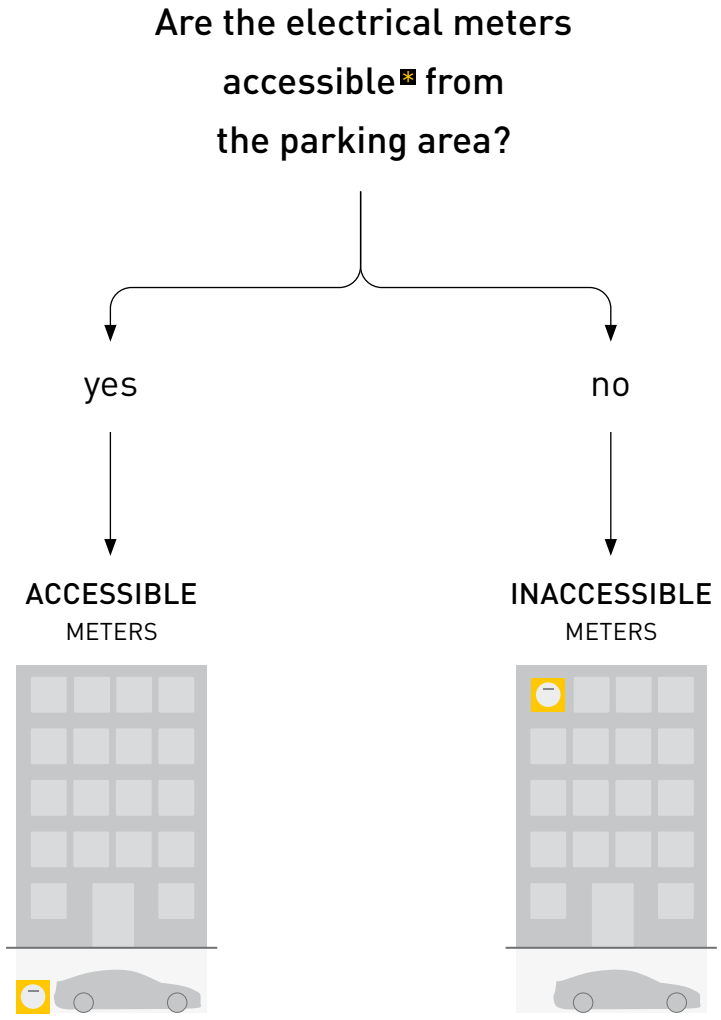
2
INSTALLATION SETTING

The electrician will help the HOA and the co-owner to define the installation setting.

The installation setting is defined according to the electrical meters location related to the co-owner parking area.

Legend

Electrical meter

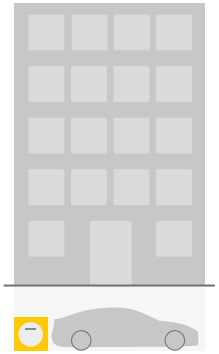


* A meter accessibility is defined by the physical possibility to connect, via an electric cable, the parking areas to the electrical meters connected to the condo units.

3
CHARGING SOLUTIONS

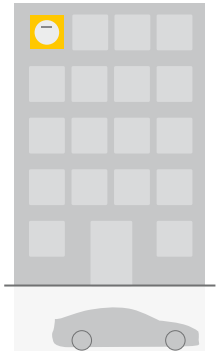
Once the settings are known, the electrician can identify the proper solution and confirm that it can be implemented.

ACCESSIBLE
METERS



SOLUTION A
details on p. 5

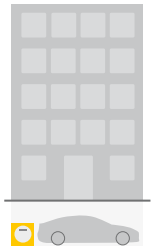
INACCESSIBLE
METERS



Electrical capacity assessment
details on p. 6

SOLUTION B
details on p. 6

ACCESSIBLE
METERS



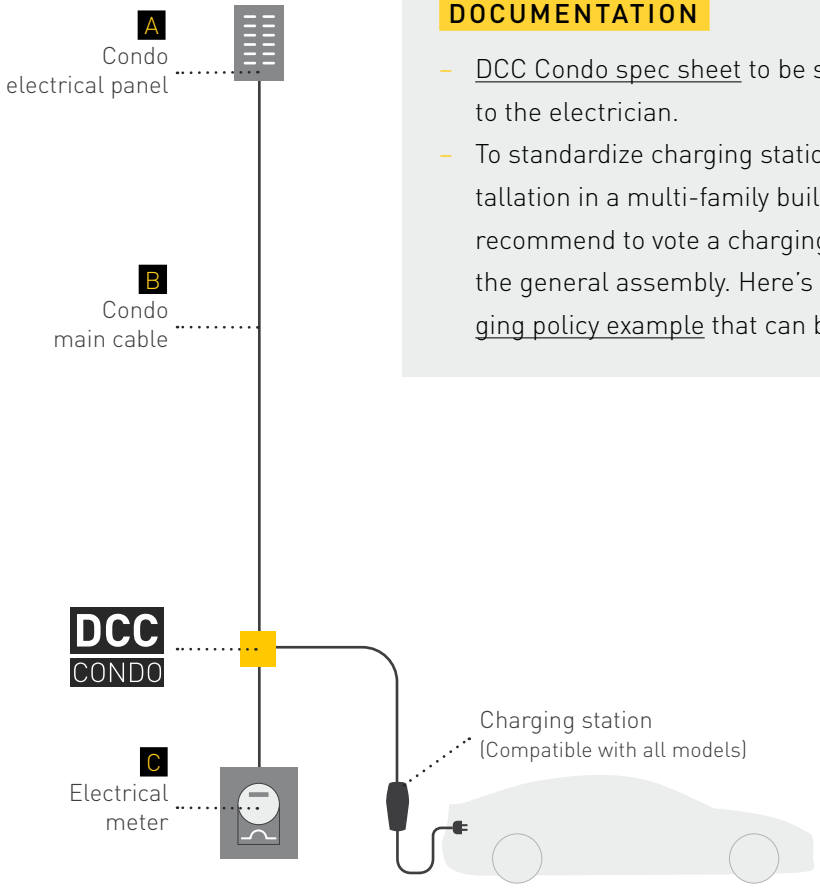
SOLUTION A

Installation of a DCC Condo

When the meters are accessible, we recommend using a DCC Condo, an energy management system installed by the electrician at the same time as the charging station.

Characteristics of the DCC Condo

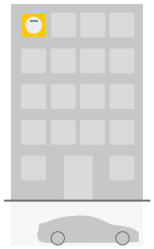
- A system specifically designed to enable a charging station to be connected when the meters are accessible.
- The system can be installed in the electrical room on the condo main cable B which connects the electrical panel located in the condo A and the electrical meter located in the basement C.
- All installation costs are paid by the co-owner.
- The system will invoice the energy consumption directly to the co-owner's own electricity residential account.
- The system automatically manages the available energy and protects the condo main power by never exceeding 80% of the main breaker rating.
- The system can be installed on the ceiling, on a wall and even on a column (depending on the physical space available).
- The DCC Condo can supply power to any 40A, 50A & 60A 240V charging station.



DOCUMENTATION

- DCC Condo spec sheet to be sent to the electrician.
- To standardize charging station installation in a multi-family building, we recommend to vote a charging policy at the general assembly. Here's a charging policy example that can be voted.

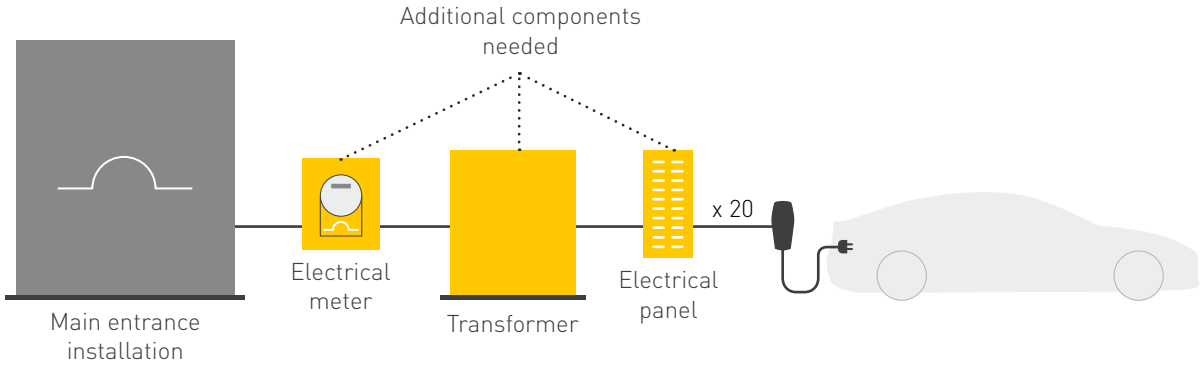
INACCESSIBLE
METERS



SOLUTION B

Addition of infrastructure

To provide co-owners, with inaccessible meters, an access to a charging station, it is necessary, 1 to perform an evaluation of the electrical capacity, 2 add new electrical infrastructures dedicated to electric vehicles and 3 select a re-invoicing method which will allow each charging network user to pay his share.



The installation cost of the infrastructure is generally assumed by the HOA and this new expense must be submitted for the Condominium Board approval.

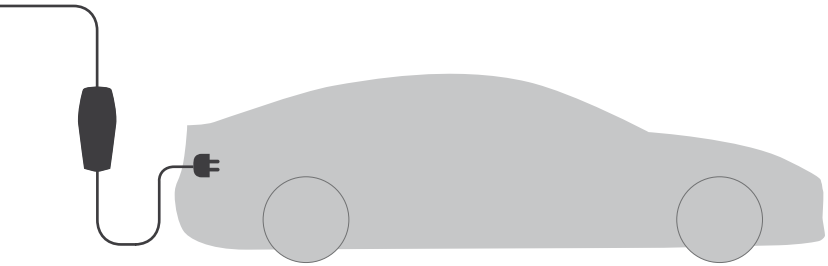
CHARGING EXPERT

In the situation of inaccessible meters, it is important to involve a charging station expert to evaluate the electrical capacity and guide you in the choice of solutions which will suit all co-owners.

4

CHARGING STATION INSTALLATION

Once the solution and quotation are approved by the customer and the HOA, the electrician can proceed with the charging station installation in the assigned parking area.



Energy Management System for affordable charging station installation

1-833-717-1355

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