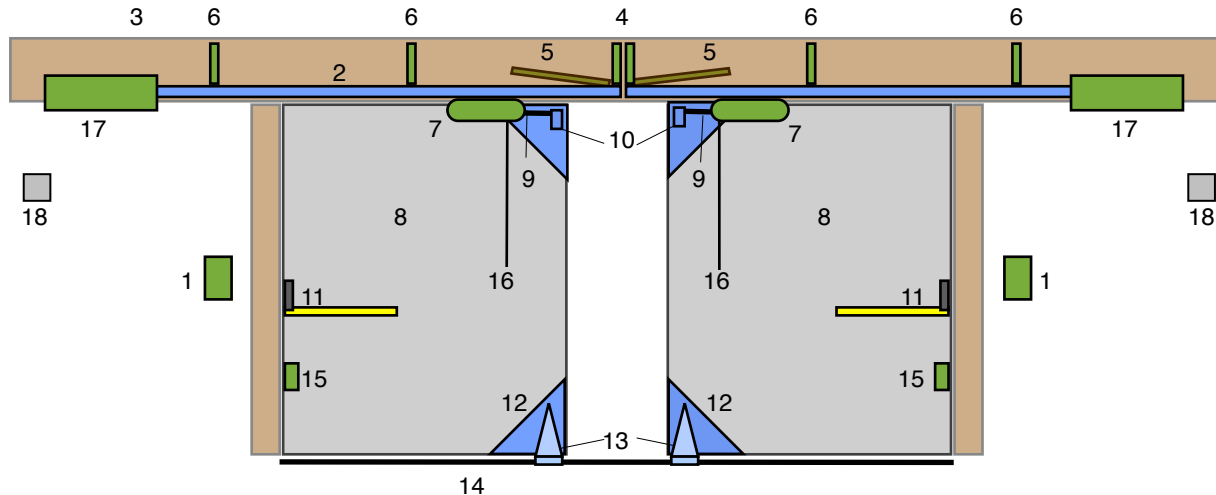


# PROPEL

## System Overview



### The drive system

Split (depicted above) and single (see page 2) sliding doors can be opened and closed with this electrically powered opener and its supplied accessories. Everything you need to automate your sliding doors is provided. Your specific system may vary from this depiction based on options, size of doors, or building construction. The opener is controlled via a transmitter (remote) or a wireless wall station (1). The drive rail (2) is mounted to the header (3) using an end bracket (4), a sway brace (5), and intermediate brackets (6). A motor (7), which is attached to the door (8) by a carriage arm (9) and a reinforced door arm (10), moves along a stationary chain in the drive rail and opens or closes the door.

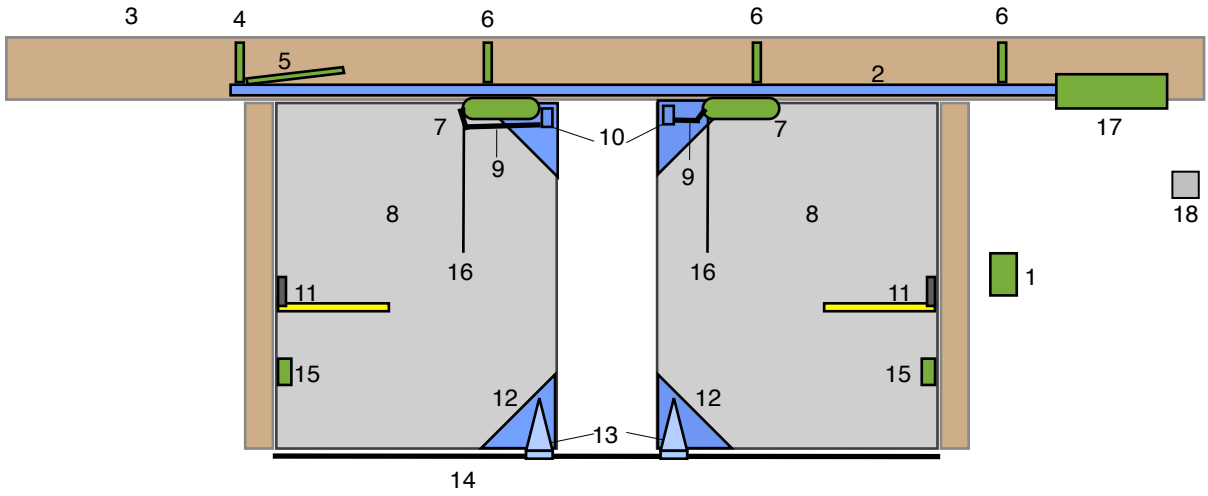
**The cinchers.** The cinchers (11) guide the rear of the door, ensuring that it engages on the guide rail on the building's exterior. The cinchers also snug the door against the building, replacing jamb latches.

**The floor track.** The floor track controls the doors' movement and greatly reduces the effects of wind on the doors. A gusset (12) (retrofit applications only) reinforces the door and allows the boot (13) to be mounted to the door. The hinged boot connects the door to the floor track (14). The floor track is mounted to the concrete floor on the inside of the building.

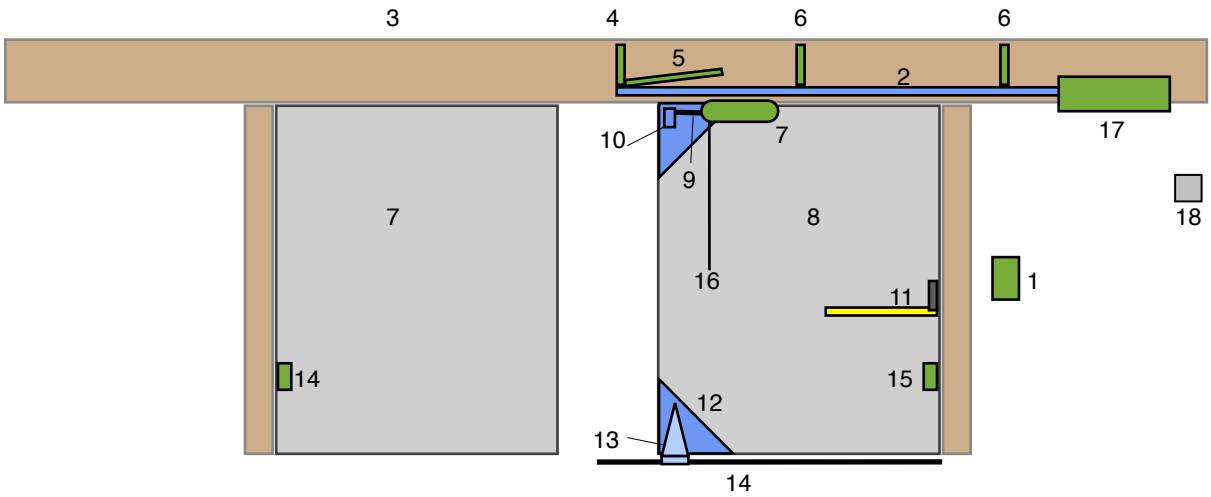
**Safety equipment.** Photo eyes (15) are used to detect an obstacle that has entered the path of the door. If they "see" an obstacle in the way, the doors stop immediately and retract. The system also has sensors that detect if a door has made contact with an obstacle. If it senses an obstacle, the door will immediately stop and retract. This feature greatly reduces injury or damage to vehicles or other objects. In the event of a power failure, the door can be opened from the inside by pulling the emergency release chain (16).

**Electrical requirements.** Each control head (17) plugs into a 110 volt outlet (18). The cord is approximately 3' long.

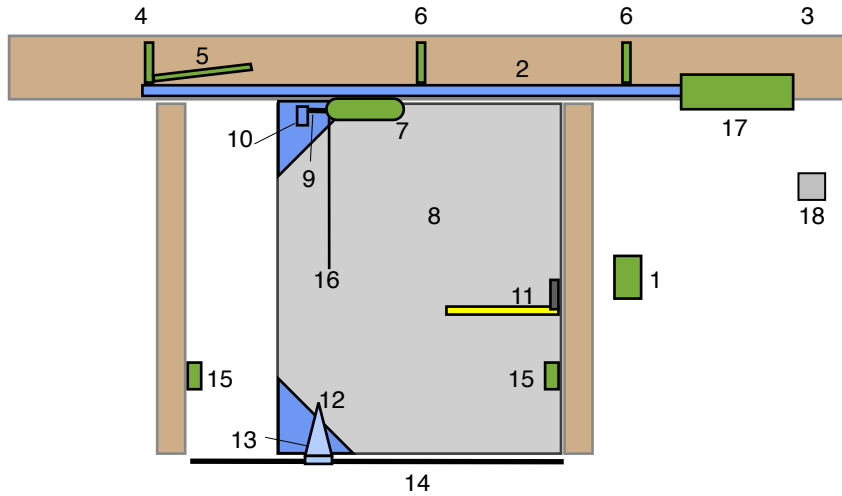
Other door configurations are depicted below.



Small split doors under 12' high and 20' wide



Split Doors, but only automating 1 side.



Single Door up to 24' wide