Electric-Ready Single-Family Home Checklist

Electric-Ready Requirements by Home Component	Included
Space Heating	
Where a building has combustion equipment for space heating, the building shall be provided with a designated exterior location(s) in accordance with the following:	
1. Natural drainage for condensate from cooling equipment operation or a condensate drain located within 3 feet (914 mm)	•
2. An individual branch circuit in compliance with IRC Section E3702.11 based on heat pump space heating equipment sized in accordance with R403.7 and terminating within 3 feet (914 mm) of the location with no obstructions. Both ends of the branch circuit shall be labeled “For Future Heat Pump Space Heater” **Exception:** Where an electrical circuit in compliance with IRC Section E3702.11 exists for space cooling equipment	•
Water Heating	
Water heaters shall be installed in accordance with the following:	
1. An individual 240-volt branch circuit with a minimum capacity of 30 amps shall terminate within 3 feet (914 mm) from the water heater and be accessible to the water heater with no obstructions. Both ends of the branch circuit shall be labeled with the words “For Future Heat Pump Water Heater” and be electrically isolated.	•
2. A condensate drain that is no more than 2 inches (51 mm) higher than the base of the installed water heater and allows natural draining without pump assistance shall be installed within 3 feet (914 mm) of the water heater.	•
3. The water heater shall be installed in a space with minimum dimensions of 3 feet (914 mm) by 3 feet (914 mm) by 7 feet (2134 mm) high.	•
4. The water heater shall be installed in a space with a minimum volume of 700 cubic feet (20,000 L) or the equivalent of one 16-inch (406 mm) by 24-inch (610 mm) grill to a heated space and one 8-inch (203 mm) duct of no more than 10 feet (3048 mm) in length for cool exhaust air.	•
Cooking	
An individual 240-Volt, 40A branch circuit shall terminated within 6 feet (1829 mm) of natural gas ranges, cooktops and ovens and be accessible with no obstructions. Both ends of the branch circuit shall be labeled with the words “For Future Electric Range” and be electrically isolated.	•
Clothes Drying	
An individual 240-volt branch circuit with a minimum capacity of 30 amps shall terminate within 6 feet (1829 mm) of natural gas clothes dryers and shall be accessible with no obstructions. Both ends of the branch circuit shall be labeled with the words “For Future Electric Clothes Drying” and be electrically isolated.	•
Electric Vehicle Charging Infrastructure	
The single-family home has one parking space with an EV Ready space that is sized to accommodate the most common EVSE on the market. The branch circuit shall meet the following requirements:	

1. Wiring capable of supporting a 40-amp, 208/240-volt circuit	•
2. Terminates at a junction box or receptacle located within 3 feet (914 mm) of the parking space	•
3. A minimum capacity of 1.8 kVA	•
4. The electrical panel directory shall designate the branch circuit as “For electric vehicle charging” and the junction box or receptable shall be labeled “For electric vehicle charging”	•
Other Equipment	
Combustion equipment and end-uses not covered by Sections R404.6.2-5 shall be provided with a branch circuit sized for an electric appliance, equipment or end use with an equivalent capacity that terminates within 6 feet (1829 mm) of the appliance or equipment.	•