ROUGH-IN: CIRCUITS & OUTLETS

Count the circuits and outlets room by room before the walls are closed.

1 LIVING AREAS & HALLWAYS

- ☐ Outlets spaced so no spot along the floor line of a wall is more than 6 ft from one (an outlet about every 12 ft). **NEC 210.52(A)**
- ☐ Every wall space 2 ft or wider counts, so it can't be skipped. Outlets must be within 18 in. of the floor to count toward spacing.
- ☐ Hallways 10 ft or longer get at least one outlet. **NEC 210.52(H)**
- ☐ Basement: at least one outlet in the unfinished part. Every basement outlet is GFCI protected, finished or not. **NEC 210.52(G), 210.8(A)**

2 KITCHEN

- ☐ At least 2 countertop outlet circuits (20 A). The refrigerator can share one of them or have its own circuit. **NEC 210.11(C)(1)**
- ☐ Dishwasher and disposal each on their own circuit. If one outlet feeds both from shared 12-3 cable, use a two-pole breaker or tied breaker handles.
- ☐ An outlet at every counter space 12 in. or wider, so no spot along the wall is more than 24 in. from one, and no higher than 20 in. above the counter. **NEC 210.52(C)**
- ☐ Islands and peninsulas: outlets aren't required, but if you install them they must be on or above the countertop (no higher than 20 in. above it), or in a listed countertop outlet assembly. If you install none, leave provisions to add one later. **NEC 210.52(C)(2), (3)**
- ☐ Every kitchen outlet is GFCI protected, microwave and refrigerator included. The dishwasher circuit also needs arc-fault (AFCI) protection. **NEC 210.8(A), 210.12**

WHICH PROTECTION WHERE

GFCI (shock protection): bathrooms, garages, outdoors, kitchens, laundry, crawl spaces, all basements (finished or not), and outlets within 6 ft of a sink.

AFCI (fire protection): kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, laundry areas, "or similar rooms or areas." Not required for bathrooms, garages or outdoor outlets. **NEC 210.8, 210.12**

3 LAUNDRY

- ☐ At least one 20 A circuit for the laundry outlets, serving nothing else. **NEC 210.11(C)(2)**
- ☐ At least one outlet in the laundry area, with both GFCI and arc-fault (AFCI) protection. **NEC 210.52(F)**
- ☐ Electric dryer: its own circuit, also GFCI protected.

4 BATHROOMS

- ☐ Bathroom outlets on their own 20 A circuit, serving no other room. **NEC 210.11(C)(3)**
- ☐ At least one GFCI outlet in every bathroom, within 3 ft of the edge of each sink, on the wall next to it. **NEC 210.52(D)**
- ☐ Every bathroom outlet is GFCI protected. **NEC 210.8(A)**

5 GARAGE

- ☐ At least one 20 A circuit for the garage outlets, serving no other outlets. **NEC 210.11(C)(4)**
- ☐ At least one outlet in each vehicle bay (a 2-car garage needs 2), no higher than 5½ ft above the floor. **NEC 210.52(G)**
- ☐ Every garage outlet is GFCI protected. **NEC 210.8(A)**

6 OUTDOORS

- ☐ An outlet at the front and at the back of the house, reachable from the ground and no higher than 6½ ft above it. **NEC 210.52(E)**
- ☐ A porch, deck or balcony reached from inside the house gets one outlet too.

Sources: 2023 NEC; M. Miers Sr., Rough-In and Final Inspection Requirements (2023 NEC).