

MECHANICAL ROOM – SEALED COMBUSTION COMPLIANCE

Utility Room Dimensions: 15'-8" x 11'-2" (176 sq ft)

Furnace: Lennox CX35-48C-6F-20 (100,000 BTU)

- 2-stage, sealed combustion, direct vent
- Intake and exhaust are independently vented to the exterior via PVC as per manufacturer specs

Water Heater: Rheem PROE50 2 RH91 (50 gal Electric)

- Non-combustion unit — no combustion air required

COMBUSTION AIR:

Per 2018 IRC Section G2406.2 Exception 4, no indoor combustion air is required. The sealed combustion furnace draws all combustion air from the exterior and does not communicate with the utility room space. Room is enclosed and isolated from return air.

VENT TERMINATION:

All vent penetrations terminate to exterior, in compliance with IRC G2427.8 (PVC) and manufacturer's clearance tables.

No louvered door required.

Electrical Panel

Recessed Light

CO&Smoke Detector

Vent Fan

