

RIVERLAND

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erth360°

What is ERTH360?

ERTH360 is a design and building standard based on the science of building biology that, since the 1960s, has helped improve the indoor environment to nurture the well-being of occupants. In partnership with Empire Homes, ERTH360 is developing a series of packages to improve occupant health and well-being.

Clean indoor air is vital to achieve this. ERTH360 Air is a comprehensive research-backed set of new home features to purify the air you breathe in your home.

 **Empire**
HOMES

FEATURES INCLUDED:

erth360° air



1. Whole Home HEPA (High-Efficiency Particulate Air) Filtration System

The Whole House Duct Mount HEPA Air Cleaner is a state-of-the-art filtration system. It can remove atmospheric particulates as small as 0.3 microns (more than 333 times finer than a human hair) with 99.97% efficiency on the first pass. That includes dust, mites, mould spores, fungi, bacteria, viruses, pet dander, cooking smoke, smog, and more. The quiet system delivers pure air through three filters:

- 01 A MERV 11 prefilter to remove lint and hair and larger particles
- 02 An activated carbon prefilter to remove odours and extend the life of the HEPA filter
- 03 A long-life HEPA filter



2. High Performance Energy Recovery Ventilator (ERV) with Enhanced MERV 13 Filter

The upgraded ERV exchanges heat energy and humidity to manage air quality and optimize energy usage. We have increased the size of the ERV to flush out more stale air and upgraded the MERV 8 to a MERV 13 filter to capture more outdoor pollutants such as pollen, bacteria, mould spores, and pests.



3. Upsized HVAC Filter Media Cabinet with Upgraded 5" MERV 13 Furnace Filter

We have increased the size of the air filter media cabinet from a 1" MERV 11 filter to accommodate a 5" pleated MERV 13 filter. The 5" filter leads to better air quality, better airflow, and cost savings.



4. Additional Operable Windows

Strategically placed to enhance cross ventilation and improve indoor air quality.



5. Third-Party Balanced HVAC System

To ensure that ventilation and heating are delivered where they're needed.



6. Upgraded Smart Thermostat

For complete and automated thermal control and increased energy efficiency.