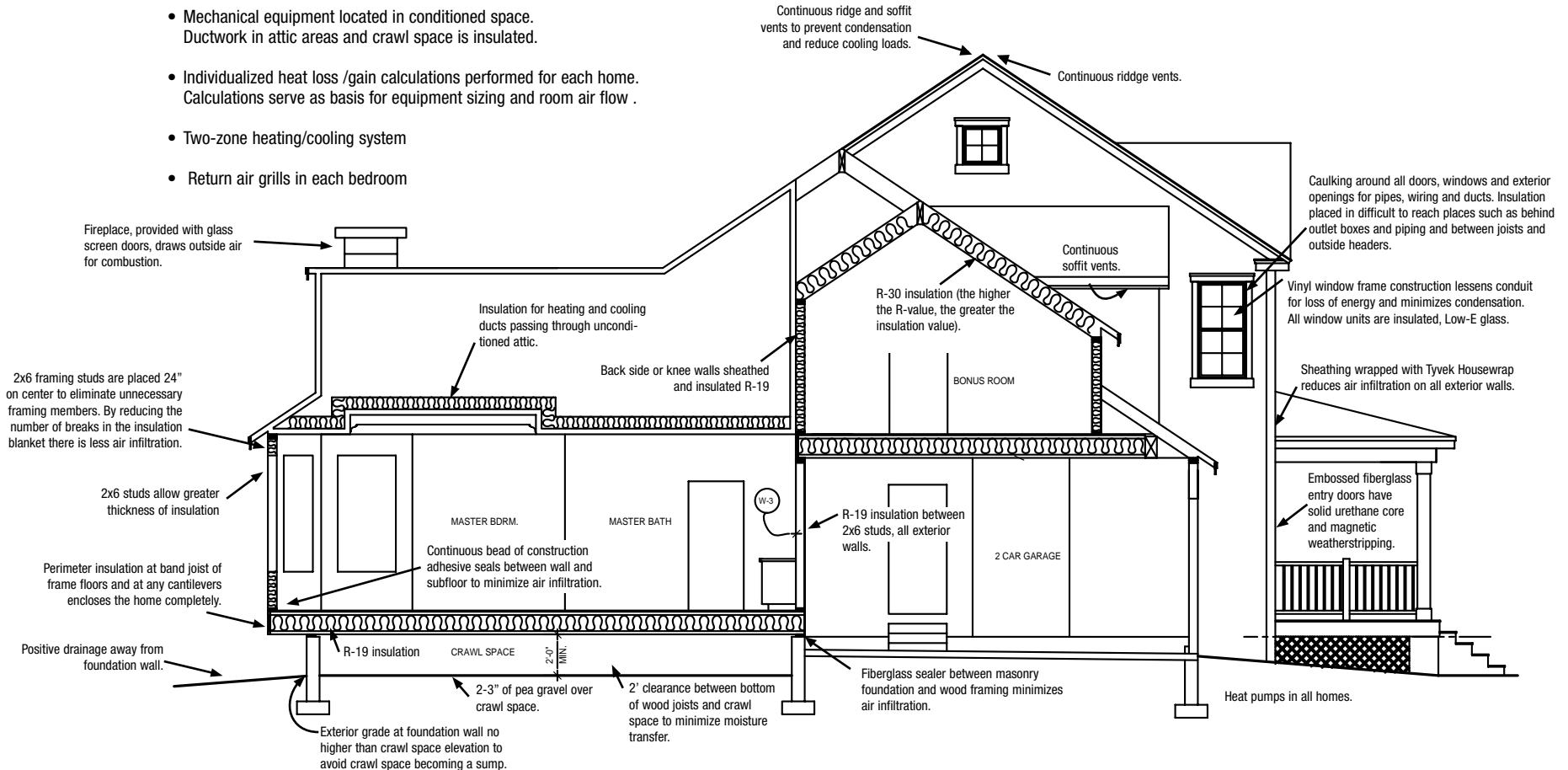


# Features for energy savings, thermal integrity and comfort (Typical cross section through home)

- Mechanical equipment located in conditioned space. Ductwork in attic areas and crawl space is insulated.
- Individualized heat loss /gain calculations performed for each home. Calculations serve as basis for equipment sizing and room air flow .
- Two-zone heating/cooling system
- Return air grills in each bedroom



**ILLUSTRATIVE CROSS SECTION THROUGH OSPREY MODEL**

All Back Creek Landing homes are built to standards which would qualify homes for an FNMA Energy Efficient Mortgage. Notable provisions, include requirement to:

1. Seal/tape all seams in exterior sheathing
2. Caulk plates to sub-floor
3. Seal all electrical and plumbing penetrations
4. Close and seal soffits and chases from unconditioned space
5. Seal around all windows and doors
6. Seal top of all interior walls from attic
7. Seal all electrical and plumbing penetration from the attic
8. Seal all accessible ductwork
9. Blower door testing to verify home tightness
10. Infrared scanning to assure insulation and tightness
11. Calibrated air flow measurement to confirm acceptable heating and cooling operation
12. Tracer smoke testing of ductwork to validate sealed system
13. Once testing confirms that thermal integrity standards for home are met, Comfort Home Warranty is issued which guarantees that target levels of energy consumption will not be exceeded for first two years of ownership