

## October 2024 ASHRAE Journal Online Content

Below is supplementary information for the following column in the September 2024 issue of ASHRAE Journal:

### A Tool to Assist in the Education and Design of Durable Envelopes

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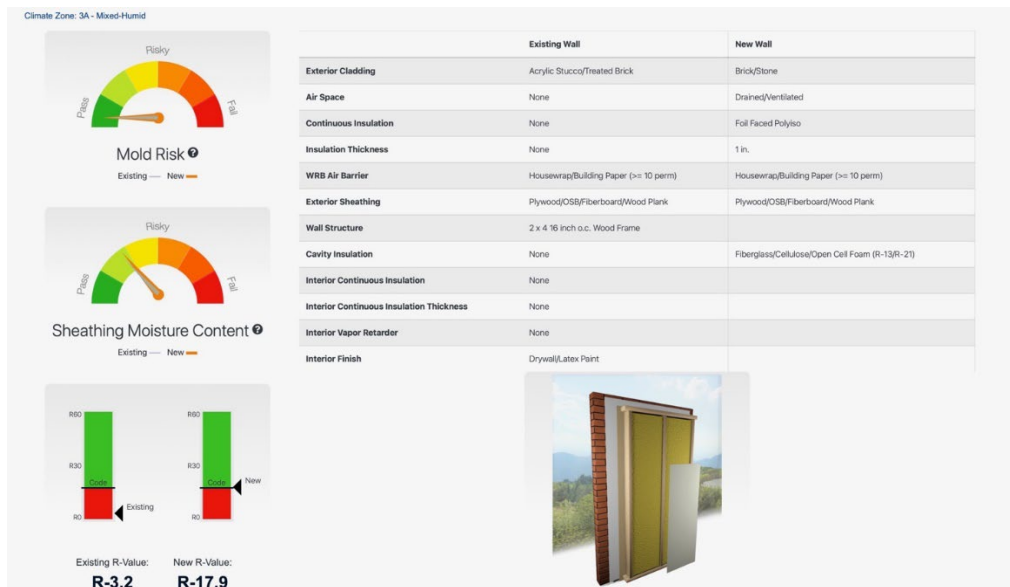
Preferences:

ID	Exterior Cladding	Air Space	Cont. Insulation	Cont. Insulation Thickness	Water Resistive Barrier	Cavity Insulation
247841	Brick/Stone	Drained/Ventilated	Foil Faced Polyiso	1 in.	Housewrap/Building Paper (>= 10 perm)	Fiberglass/Cellulose/Open Cell Foam (R-13/R-21)
246689	Brick/Stone	Drained/Ventilated	Foil Faced Polyiso	1 in.	Impermeable Coating/Membrane (< 1 Perm)	Fiberglass/Cellulose/Open Cell Foam (R-13/R-21)
322020	Brick/Stone	Drained/Ventilated	Foil Faced Polyiso	1 in.	Permeable Coating/Membrane (>= 1 perm)	Fiberglass/Cellulose/Open Cell Foam (R-13/R-21)

Showing 1 to 3 of 3 results



**Figure 1:** Recommendations developed by the BSA tool based on the example scenario.



**Figure 2:** Results provide moisture durability; mold risk and sheathing moisture content and thermal performance changes created by the wall retrofit.