

This is an on-going list of sites/walls that have been pre-screened and determined to be potentially eligible for the study. The list is not prioritized.

SITE #	Objective Statement	State	CZ	Wall Framing	Cladding	Cavity Insulation	Exterior Insulation	R-value	Water Resistive Barrier	Type of Sheathing	Interior Vapor Retarder	Interior Wall
3	Evaluate vapor open wall systems with breathable exterior insulation and damp cellulose in the cavity.	VA	4A	2x6	Mix of 3/4" wood siding and weathering steel panels (Rustwall)	damp cellulose insulation	2" Roxul Rockboard 80	21 + 8	Yes	3/4" plywood, Exposure 1 Rated	None	Painted Drywall
8	Evaluate walls with impermeable exterior insulation ability to dry to the inside	NY	4A	2x6	vinyl siding/ cement board	Cellulose	1" DOW "TUFF-R" (PIC)	20 + 6.5	Tyvek	1/2" OSB	None	Painted Drywall
10	Evaluate walls with exterior insulation and with/without interior vapor retarder in CZ 4A	NC	4A	2x6	Fiber cement siding	Fiberglass Batts	1" of XPS	20 + 5	TYPAR	5/8" plywood	None / some bays with Kraft paper	Painted Drywall
24	Evaluate walls with high perm WRB and no interior vapor retarder in CZ 4A	TN	4A	2x6	Cementitious Siding (Hardie)	Blown-in Fiberglass	None	19	Vaproshield	OSB	none	Painted Drywall
22	Evaluate walls over a range of Re/Ri (from 0.25 to 0.77) and no interior vapor retarder at the edge of CZ4	NC	4A	2x6	to be determined	Fiberglass Batts / BIBS	R-5	20 + 5	Yes	OSB	None	Painted Drywall
23				2x4	to be determined	Fiberglass Batts / BIBS	R-10	13 + 10	Yes	OSB	None	Painted Drywall
18	Evaluate walls that meet prescriptive code requirement in CZ 4C without interior vapor retarders	WA	4C	2x6	Fiber cement siding	R21 batt (unfaced)	None	21	Tyvek	OSB	none	Painted Drywall
28	Evaluate walls with absorptive cladding and air gap in CZ 4C.	OR	4C	2x6	Fiber cement siding	Dense pack cellulose	None	19	1x Battens + Air Barrier membrane	1/2" plywood	none	Painted Drywall
21	Evaluate walls with standard framing and 1" of exterior insulation in CZ 4C.	WA	4C	2x6	to be determined	R15 batt (unfaced)	R-5 DOW foam	15 + 5	Tyvek	OSB	none	Painted Drywall
13	Evaluate below prescriptive code walls for houses designed using performance path	IN	5A	2x4	Vinyl siding	Flash & Batt	None	9 + 6	OSB	Yes	Poly (VisQueen)	Painted Drywall
4	Evaluate walls with air gap and wet sprayed cellulose in CZ 5 without interior vapor retarder.	IL	5A	2x6	Hardie lap siding	damp cellulose insulation	None	21	Tyvek + 1/8" furring strips	Zip system	None	Painted Drywall
5	Evaluate walls with exterior insulation and interior vapor retarder in CZ 5	PA	5A	2x6	vinyl siding	Fiber glass batt	1.5" XPS foam	20 + 7.5	Zip system	Zip plus (foam)	Kraft paper	Painted Drywall
12	Evaluate code compliant walls with Class I interior vapor retarder in CZ 5A	WI	5A	2x6	Jamie Hardie fiber cement shakes	Blown-in fiberglass	None	21	Zip System	Zip system	poly	Painted Drywall
15	Evaluate walls that meet prescriptive code requirement	NY	5A	2x6	Vinyl siding	Fiberglass Batt	None	21	Rex wrap (8 perm)	OSB	poly	Painted Drywall
26	Evaluate walls with exterior foam insulation and Class II interior vapor retarder in CZ 5	RI	5A	2x6	Boral lap siding + fully vented rain screen	Cetranteed Smart Batts	2" of foam (R-9)	21 + 9	Zip system	Zip system	Cetranteed "Kraft paper"	Painted Drywall
16	Evaluate walls with flash and batt insulation and Class III rated paint	NY	5A	2x6	Hardie Board Siding	Flash & Batt (2" of closed cell spray foam + R-13 FG foam)	None	26	Tyvek	OSB	Class III Rated paint	Painted Drywall
1	Evaluate walls with wet sprayed cellulose in CZ 5 in walls without interior vapor retarder.	IL	5A	2x8 with 2x4 offset studs	Hardie panel (dark and light color)	damp cellulose insulation	None	27.5	Blueskin VP100 (33 perm)	Exterior plywood or exterior gypsum board	None	Painted Drywall
19,20	Evaluate walls with 1" of exterior insulation and interior vapor retarder in CZ 5A.	MI	5A	2x6	to be determined	R19 batt (faced)	R-5 DOW foam	19 + 5	Tyvek	OSB	Kraft paper	Painted Drywall
14	Evaluate walls with 1" of exterior insulation and without interior vapor retarder.	UT	5B	2x6	stucco with acrylic topcoat + lapped plank wainscot on front side	Blown-in fiberglass	1" ridged T&G foam	21 + 4	2 layer of grade D house wrap	OSB	None	Painted Drywall
27	Evaluate walls with double vapor barrier conditions in CZ 5B	CO	5B	2x6	to be determined	Dense pack cellulose	TJI foam	19 + 5	to be determined	OSB	to be determined	Painted Drywall
6,7	Evaluate walls with different type of interior vapor retarder	MI	6A	2x6	Vinyl siding	Fiberglass Batts (R-19)	None	19	Yes	OSB	Kraft paper	Painted Drywall
9	Evaluate performance of walls w foam, open cell spray foam insulation, and no VR	NY	6A	2x6	Vinyl siding	Open cell spray foam	2.5" of XPS	20 + 12.5	Zip system	Zip system	None	Painted Drywall
17	Evaluate walls with flash and batt insulation, 1" of foam and Class III rated paint	NY	6A	2x6	Hardie Board Siding	Flash & Batt (2" of closed cell spray foam + R-13 FG foam)	1" of Zip foam product	26	Zip system	Zip system	Class III Rated paint	Painted Drywall
2	Evaluate ability to (1) dry out and (2) manage winter moisture load for walls with Re/Ri insulation ratio of 0.38 in CZ 6 (less than recommended of 0.5)	MI	6A	2x6	Hardie Board Siding	cellulose	2" EPS	20 + 8	Tyvek + furring strips	OSB	None	Painted Drywall
				2x6	Brick veneer with air gap	cellulose	2" EPS	20 + 8	Tyvek	OSB	None	Painted Drywall
11	Evaluate double wall with interior vapor retarder located in between the walls in CZ 6	WI	6A	2x6 + 2x4 (horizontal) double	Vinyl siding	Fiberglass Batts in both walls	None	30	Tyvek	OSB	2 mil poly between 2x6 and 2x4 walls	Painted Drywall
25	Evaluate double wall with variable interior vapor retarder and airtight housewrap in CZ 6	VT	6A	2x10	Wood Cladding	Cellulose	None	27	Yes (Eco-Seal)	Zip system	Smart vapor retarder	Painted Drywall
29	Evaluate walls with 1" of exterior foam and interior vapor retarder in CZ 6B	ID	6B	2x6	to be determined	4.5" wet spray cellulose + 1" spray foam	1" Blueboard Insulation	21 + 5	Tyvek	OSB	none	Painted Drywall