



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	CZ	Wall Framing	Cladding	Cavity Insulation	Exterior Insulation	R-value cavity+continuous	Water Resistive Barrier	Type of Sheathing	Interior Vapor Retarder
3	Evaluate vapor open wall systems with breathable exterior insulation and damp cellulose in the cavity.	4A	2x6	Wood siding and weathering steel panels	damp cellulose insulation	2" Mineral wool (8lb/ft ³)	21 + 8	Yes - unspecified	3/4" plywood, Exposure 1 Rated	None
8	Evaluate walls with impermeable exterior insulation ability to dry to the inside	4A	2x6	Vinyl siding and fiber cement siding	Cellulose	1" Polyisocyanurate w/foil on both sides	20 + 6.5	Housewrap	1/2" OSB	None
10	Evaluate walls with exterior insulation and with/without interior vapor retarder in CZ 4A	4A	2x6	Fiber cement siding	Fiberglass Batts	1" XPS	20 + 5	Polypropylene wrap	5/8" plywood	None / some bays with Kraft paper
24	Evaluate walls with high perm WRB and no interior vapor retarder in CZ 4A	4A	2x6	Fiber cement siding	Blown-in Fiberglass	None	19	Self-Adhered membrane	OSB	none
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	4A	2x6	to be determined	Fiberglass Batts	Yes - unspecified	20 + 5	Yes - unspecified	OSB	None
23			2x4	to be determined	Fiberglass Batts	Yes - unspecified	13 + 10	Yes - unspecified	OSB	None
18	Evaluate walls that meet prescriptive code requirement in CZ 4C without interior vapor retarders	4C	2x6	Fiber cement siding	Fiberglass Batt	None	21	Housewrap	OSB	none
28	Evaulate walls with absorptive cladding and air gap in CZ 4C.	4C	2x6	Fiber cement siding + air gap	Dense pack cellulose	None	19	membrane	1/2" plywood	none
21	Evaluate walls with standard framing and 1" of exterior insulation in CZ 4C.	4C	2x6	to be determined	Fiberglass Batt	Polystyrene	15 + 5	Housewrap	OSB	none
13	Evaluate below prescriptive code walls for houses designed using performance path	5A	2x4	Vinyl siding	Flash & Batt	None	15	Yes - unspecified	OSB	Polyethylene sheeting
4	Evaluate walls with air gap and wet sprayed cellulose in CZ 5 without interior vapor retarder.	5A	2x6	Fiber cement siding + air gap	damp cellulose insulation	None	21	Housewrap	Zip system	None
5	Evaluate walls with exterior insulation and interior vapor retarder in CZ 5	5A	2x6	vinyl siding	Fiber glass batt	1.5" XPS foam	20 + 7.5	Integrated, taped overlay on OSB sheathing		Kraft paper
12	Evaluate code compliant walls with Class I interior vapor retarder in CZ 5A	5A	2x6	Fiber cement shakes	Blown-in fiberglass	None	21	Integrated, taped overlay on OSB sheathing		Polyethylene sheeting
15	Evaluate walls that meet prescriptive code requirement	5A	2x6	Vinyl siding	Fiberglass Batt	None	21	Polypropylene wrap	OSB	Polyethylene sheeting
26	Evaluate walls with exterior foam insulation and Class II interior vapor retarder in CZ 5	5A	2x6	Boral siding + fully vented rain screen	Fiberglass Batt	Yes - unspecified	21 + 9	Integrated, taped overlay on OSB sheathing		Kraft/asphalt paper
16	Evaluate walls with flash and batt insulation and Class III rated paint	5A	2x6	Fiber cement siding	Flash & Batt (2" of closed cell spray foam + R-13 FG batt)	None	26	Housewrap	OSB	Class III Rated paint
1	Evaluate walls with wet sprayed cellulose in CZ 5 in walls without interior vapor retarder.	5A	2x8 with 2x4 offset studs	Fiber cement siding	damp cellulose insulation	None	27.5	Self-Adhered membrane	Exterior plywood or exterior gypsum board	None
19,20	Evalute walls with 1" of exterior insulation and interior vapor retarder in CZ 5A.	5A	2x6	to be determined	R19 batt (faced)	Polystyrene	19 + 5	Housewrap	OSB	Kraft paper
14	Evaluate walls with 1" of exterior insulation and without interior vapor retarder.	5B	2x6	Stucco with acrylic topcoat	Blown-in fiberglass	1" EPS foam	21 + 4	2 layer of grade D house wrap	OSB	None
27	Evaluate walls with double vapor barrier conditions in CZ 5B	5B	2x6	to be determined	Dense pack cellulose	Yes - unspecified	19 + 5	to be determined	OSB	to be determined
6,7	Evaluate walls with different type of interior vapor retarder	6A	2x6	Vinyl siding	Fiberglass Batts (R-19)	None	19	Yes - unspecified	OSB	Kraft paper
9	Evaluate performance of walls w foam, open cell spray foam insulation, and no VR	6A	2x6	Vinyl siding	Open cell spray foam	2.5" of XPS	20 + 12.5	Integrated, taped overlay on OSB sheathing		None
17	Evaluate walls with flash and batt insulation, 1" of foam and Class III rated paint	6A	2x6	Fiber cement siding	Flash & Batt (2" of closed cell spray foam + R-13 FG batt)	1" Polyisocyanurate	26	Integrated, taped overlay on OSB sheathing		Class III Rated paint
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)	6A	2x6	Fiber cement siding + air gap	cellulose	2" EPS	20 + 8	Housewrap	OSB	None
			2x6	Brick veneer with air gap	cellulose	2" EPS	20 + 8	Housewrap	OSB	None

11	Evaluate double wall with interior vapor retarder located in between the walls in CZ 6	6A	2x6 + 2x4 (horizontal) double	Vinyl siding	Fiberglass Batts in both walls	None	30	Housewrap	OSB	2 mil poly between 2x6 and 2x4 walls
25	Evaluate double wall with variable interior vapor retarder and airtight housewrap in CZ 6	6A	2x10	Wood Cladding	Cellulose	None	27	Integrated, taped overlay on OSB sheathing		Smart vapor retarder
29	Evaulate walls with 1" of exterior foam and interior vapor retarder in CZ 6B	6B	2x6	to be determined	4.5" wet spray cellulose + 1" spray foam	1" XPS	21 + 5	Housewrap	OSB	none

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KEY	Absorptive	High Perm
	Non-Absorptive	Low Perm