

Characteristic	Wall # 1	Wall # 2	Wall # 3	Wall # 4	Wall # 5	Wall # 6	Wall # 7	Wall # 8	Wall # 9	Wall # 10	Wall 11	Wall 12	Wall 13	Wall 14
<b>Case: Wall Type &amp; Block Density; Cell Fill; Grout or Stud Spacing; Nominal Insulation R-Value &amp; Location</b>	CMUs115,e,96"oc,R04In	CMUs115,e,96"oc,R07In	ICF-145,-,6.0"tk,R20S	CMUs115,e,48"oc,R01In	CMUs115,e,48"oc,R04In	CMUs115,e,48"oc,R08In	CMUs115,e,48"oc,R13In	CMUs115,e,48"oc,R17In	CMUs115,e,48"oc,R20In	CMUs115,e,48"oc,R24In	CMUs115,e,96"oc,R04In	Wood---,3.5"tk,R13C	CMUs115,e,48"oc,R08In	CMUs115,e,48"oc,R09Ex
<b>Prototype</b>	singlefamily	singlefamily	singlefamily	singlefamily	singlefamily	singlefamily	singlefamily	singlefamily	singlefamily	singlefamily	singlefamily	singlefamily	singlefamily	singlefamily
<b>Code Basis</b>	IECC_2012	IECC_2012	IECC_2012	IECC_2012	IECC_2012	IECC_2012	IECC_2012	IECC_2012	IECC_2012	IECC_2012	IECC_2012	IECC_2012	IECC_2012	IECC_2012
<b>Stories</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>Heating fuel</b>	electricity	electricity	electricity	electricity	electricity	electricity	electricity	electricity	electricity	electricity	electricity	electricity	electricity	electricity
<b>ext_wall_type</b>	CMUs	CMUs	ICF-	CMUs	CMUs	CMUs	CMUs	CMUs	CMUs	CMUs	CMUs	Wood	CMUs	CMUs
<b>Structural thickness</b>	7.6	7.6	6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	3.5	7.6	7.6
<b>Grout or stud spacing, inches</b>	96	96	na	48	48	48	48	48	48	48	48	96	16	48
<b>Concrete density</b>	115	115	145	115	115	115	115	115	115	115	115	---	115	115
<b>Assembly unit weight lbs/sf</b>	44.5	44.5	77.3	48.8	48.8	48.9	49.8	49.9	49.9	50.4	44.5	6.5	48.9	45.3
<b>Cell fill for CMU</b>	empty	empty	-	empty	empty	empty	empty	empty	empty	empty	empty	-	empty	empty
<b>Overall Wall U-Factor</b>	0.174	0.121	0.046	0.28	0.175	0.101	0.073	0.057	0.049	0.043	0.174	0.092	0.101	0.101
<b>Overall Wall R-Value equiv</b>	5.747126437	8.26446281	21.73913043	3.584229391	5.714285714	10	13.51351351	17.54385965	20.40816327	23.25581395	5.747126437	10.86956522	10	10
<b>Insulation Nominal R-Total</b>	4	7	20	1	4	8	13	17	20	24	4	13	8	9
<b>R-value of cavity insulation</b>	4	7	0	1	4	3	13	13	13	19	4	13	3	1
<b>R-value of continuous insul.</b>	0	0	20	0	0	5	0	4	7	5	0	0	5	8
<b>Continuous insul. location</b>	Interior	Interior	Split	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Core	Interior	Exterior
<b>Interior airspace</b>	none	none	none	plain_airspace	none	reflective_airs	none	none	none	none	none	none	reflective_airs	plain_airspace
<b>Interior finish</b>	Gypsum	Gypsum	Gypsum	Gypsum	Gypsum	Gypsum	Gypsum	Gypsum	Gypsum	Gypsum	Gypsum	Gypsum	Gypsum	Gypsum
<b>Exterior Finish</b>	cementitious_s	cementitious_s	synthetic_stuc	cementitious_s	cementitious_s	cementitious_s	cementitious_s	cementitious_s	cementitious_s	cementitious_s	cementitious_s	OSB_7/16in	cementitious_s	synthetic_stuc
<b>Case Sequence No. (CZ 1A)</b>	18736	17656	21400	20212	18880	16612	14884	13228	12076	10744	18736	21832	16612	16756
<b>Full Case ID:</b>	CMUs_0.174_R00_R04_In	CMUs_0.121_R00_R07_In	ICF-0.046_R20_R00_Sp_6.0_1	CMUs_0.279_R00_R01_In	CMUs_0.175_R00_R04_In	CMUs_0.100_R05_R03_In	CMUs_0.074_R00_R13_In	CMUs_0.057_R04_R13_In	CMUs_0.049_R07_R13_In	CMUs_0.043_R05_R19_In	CMUs_0.174_R00_R04_In	Wood_0.092_R00_R13_Co_	CMUs_0.100_R05_R03_In	CMUs_0.100_R08_R01_Ex_
<b>WallType_Uo_Rboard_Rcav_BoardLoc_Thk_Dns_fill_spacing_ExtFnsH_airspace_IntFnsH_Story_CZ</b>	7.6_115_e_96_Ce_n_G_1_F_1	7.6_115_e_96_Ce_n_G_1_F_1	R00_Sp_6.0_1_45_-na_Sy_n_G_1	7.6_115_e_48_Ce_p_G_1_F_1	7.6_115_e_48_Ce_n_G_1_F_1	7.6_115_e_48_Ce_R_G_1_F_1	7.6_115_e_48_Ce_n_G_1_F_1	7.6_115_e_48_Ce_n_G_1_F_1	7.6_115_e_48_Ce_n_G_1_F_1	7.6_115_e_48_Ce_n_G_1_F_1	7.6_115_e_96_Ce_n_G_1_F_1	3.5_n-a_-16_Sh_n_G_1_F1	7.6_115_e_48_Ce_R_G_1_F_1	7.6_115_e_48_Sy_p_G_1_F_1
<b>R-Values by Wall Layer:</b>														
<b>Exterior Surface finish</b>	0.06443299	0.06443299	0.200320513	0.06443299	0.06443299	0.06443299	0.06443299	0.06443299	0.06443299	0.06443299	0.06443299	0.200320513	0.06443299	0.200320513
<b>Exterior board insulation</b>	0	0	10	0	0	0	0	0	0	0	0	0	0	6.256654618
<b>Face shell or sheathing</b>	0.199171447	0.199171447	0	0.199171447	0.199171447	0.199171447	0.199171447	0.199171447	0.199171447	0.199171447	0.199171447	0.62	0.199171447	0.199171447
<b>Core wall consolidated layer</b>	0.88107701	0.88107701	0.375	0.843663513	0.843663513	0.843663513	0.843663513	0.843663513	0.843663513	0.843663513	0.88107701	0.8708633989	0.843663513	0.843663513
<b>Inner face shell</b>	0.199171447	0.199171447	0	0.199171447	0.199171447	0.199171447	0.199171447	0.199171447	0.199171447	0.199171447	0.199171447	0	0.199171447	0.199171447
<b>Interior Board Insulation</b>	0	0	10	0	0	5	0	7	5	0	0	0	5	0
<b>Interior Cavity Insulation</b>	3.112059021	5.612260169	0	0	3.112059021	0	10.96851347	10.96851347	10.96851347	15.62575465	3.112059021	0	0	0
<b>Interior Airspace</b>	0	0	0	0.96684936	0	2.359391502	0	0	0	0	0	0	2.359391502	0.96684936
<b>Interior wall board</b>	0.454545455	0.454545455	0.454545455	0.454545455	0.454545455	0.454545455	0.454545455	0.454545455	0.454545455	0.454545455	0.454545455	0.454545455	0.454545455	0.454545455