



TECHNICAL BULLETIN

US Climate Zones & Prescriptive U Factor Assemblies (Framed Construction Walls)

2009 IECC						
NON-RESIDENTIAL & GROUP R COMMERCIAL (R = Residential Construction falling under the ICC)						
STEEL FRAME: Comprised & Assumed to be Nominal 2"X6" 18ga Studs 16" On Center						
US ZONE	1&2	2R,3R,4-8	3	6R	7R	8R
U FACTOR	0.124	0.064	.084	.057	0.052	0.037
*	R13+0	R19+6.5	R19+3	R19+8.5	R19+10	R19+17
WOOD FRAME						
US ZONE	1-4 (EXCEPT MARINE)	4R (EXCEPT MARINE) &5	MARINE 4R,5R,6&7		8	
U FACTOR	0.089	0.064	.051		0.036	
*	R13+0	R13+5	R13+7.5		R19+12	
2012 IECC						
NON-RESIDENTIAL & GROUP R COMMERCIAL (R = Residential Construction falling under the ICC)						
STEEL FRAME: Comprised & Assumed to be Nominal 2"X6" 18ga Studs 16" On Center						
US ZONE	1&2	2R,3-7	6R	7R	8	
U FACTOR	0.077	0.064	0.057	0.052	0.045	
*	R13+4	R19+6.5	R19+7.5	R19+10	R19+13	
WOOD FRAME						
US ZONE	1-7	6R	7R	8		
U FACTOR	0.064	.057	0.052	0.045		
*	R13+3.8	R13+5	R20+3.8	R20+10		
RESIDENTIAL Construction falling under the IRC						
R-2 R3 & R4 Buildings three stories or less plus one or two-family dwellings and multi-family (townhomes).						
2012 IECC			2009 IECC			
US ZONE	1-2	3-5	6-8	1-4 (EXCEPT MARINE 4)	MARINE 4,5-8	
U FACTOR	0.082	0.057	0.048	0.082	0.057	
STEEL FRAME	R15+3.8	R15+8.5	R19+11.6	R15+R4	R19+R7.5	
WOOD FRAME	R13+0	R13+5	R13+10	R13+R0	R13+R5	

Steps to using these tables:

1. Determine local jurisdiction (2009 or 2012 IECC) and climate zone (page 2)
3. Determine if project regulated by the ICC or IRC
4. Determine steel frame or wood frame and locate U Factor.



* 1st R value = cavity insulation + second number = R value of CI

**WESTERN STATES LOCAL JURISDICTIONS
(CITY & CLIMATE ZONE)**

ARIZONA & WYOMING: No State-wide Code.
Check with local Jurisdictions
(Cheyenne = 6, Phoenix = 3)

CALIFORNIA ENERGY CODE
See Technical bulletin 1.002

COLORADO: Each Municipality adopts own code,
however 85% follow 2009 IECC
(Denver & Colorado Springs = 5)

IDAHO: WITH AMENDMENTS TO 2009 IECC
(BOISE = 6)

MONTANA: WITH AMENDMENTS TO 2009 IECC
(State-wide = 6)

NEVADA: WITH Amendments to 2009 IECC
(Las Vegas = 3, Reno = 5)

NEW MEXICO WITH AMENDMENTS TO: 2009 IECC
(Albuquerque = 4, Santa Fe = 5)

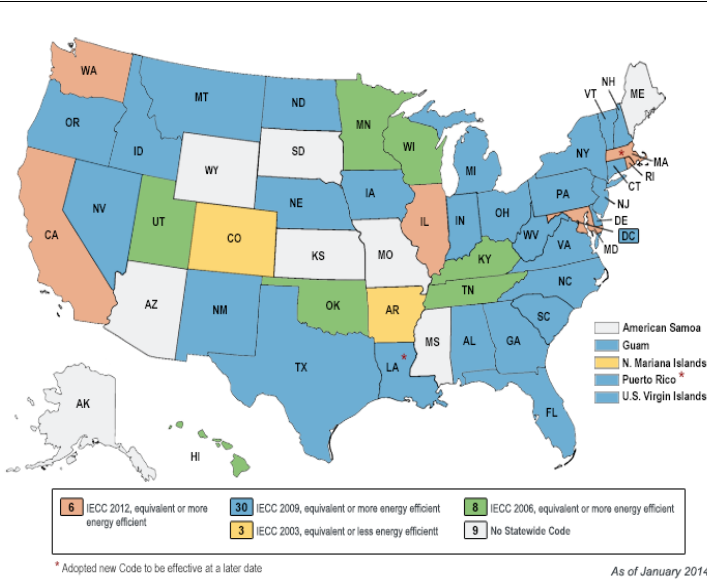
OREGON: ENERGY EFFICIENCY SPECIALTY CODE
ADMENDMENTS TO 2009 IECC
(Portland & Salem = 4 (coastal aka marine)

TEXAS: (2009 IECC)
(Dallas = 3, Houston=2) Local jurisdictions have begun
adopting the 2012 IECC so check local status

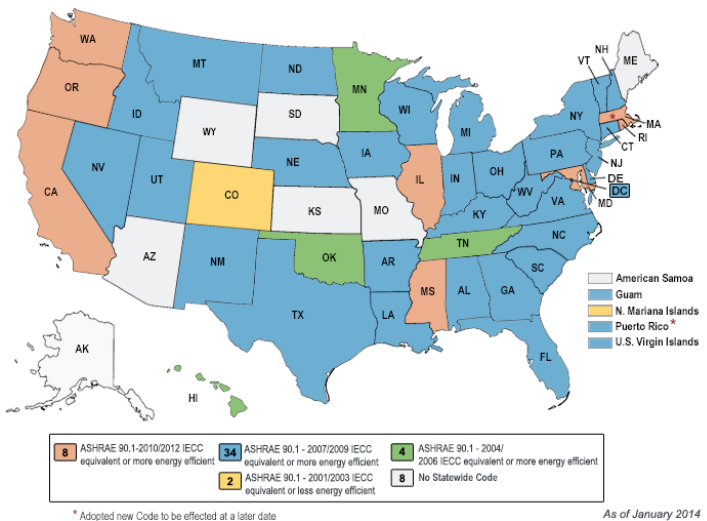
UTAH: (Commercial 2009 IECC, Res = 2006 IECC)
(Salt Lake City = 5, St. George = 3)

WASHINGTON STATE ENERGY CODE
(Seattle = Washington 1 or IECC 4 Coastal aka marine)
(Spokane = Washington 2 or IECC 5)

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**NON RESIDENTIAL CONSTRUCTION
STATE STATUS (JANUARY, 2014)**



**RESIDENTIAL CONSTRUCTION
STATE STATUS (JANUARY, 2014)**