

TABLE 6B-1

MINIMUM REQUIREMENTS

Climate Zones 7 8 9

COMPONENTS		PACKAGES FOR NEW CONSTRUCTION					
GLASS	Max. % of glass to Floor Area	15%	15%	20%	20%	25%	25%
	Type	Double Clear (DC)	Single Tint (ST)	Single Tint (ST)	Single Tint (ST)	Double Clear (DC)	Double Clear (DC)
	Overhang	1'4"	2'	2'	2'	2'	2'
WALLS	Masonry	EXTERIOR AND ADJACENT MASONRY WALLS R-5 COMMON MASONRY WALLS R-3 EACH SIDE.					
	Wood Frame	EXTERIOR, ADJACENT, AND COMMON WOOD FRAME WALLS R-11					
CEILINGS		CEILINGS UNDER ATTIC R-30. FRAME COMMON CEILINGS R-11. (NO SINGLE ASSEMBLY CEILINGS ALLOWED)					
FLOORS	Slab-On-Grade	R-0					
	Raised Wood	R-11 (ONLY STEM WALL CONSTRUCTION ALLOWED EXCEPT PACKAGE B)					
	Raised Concrete	R-5					
DUCTS		R-6	R-6	R-6	R-6, TESTED	R-6	R-6, TESTED
SPACE COOLING (SEER)		10.5	12.0	12.0	10.0*	12.0	11.0
HEAT	Elect.	STRIP	STRIP	STRIP	STRIP	STRIP	STRIP
	Gas/Oil (AFUE)	MINIMUM OF .73 (Direct heating) or .78 (Central)					
HOT WATER SYSTEM	Electric Resistance**	EF .92	NOT ALLOWED (SEE BELOW)	EF .92	EF .92	NOT ALLOWED (SEE BELOW)	EF .92
	Gas & Oil **	MINIMUM EF OF .59					
	Other	Any of the following are allowed: dedicated heat pump, heat recovery unit or solar system.					

* Single package units minimum SEER=9.7.

** Minimum efficiencies for gas and electric hot water systems apply to 40 gallon water heaters. Refer to Table 612.1.ABC.3.2 for minimum Code efficiencies for oil water heaters and other sizes.

DESCRIPTION OF BUILDING COMPONENTS LISTED

Percent of Glass to Floor Area: This percentage is calculated by dividing the total of all glass areas by the total conditioned floor area.

Overhang: The overhang is the distance the roof or soffit projects out horizontally from the face of the glass. All glass areas shall be under an overhang of at least the prescribed length with the following exceptions: 1) glass on the gabled ends of a house and 2) the glass in the lower stories of a multi-story house.

Wall, Ceiling and Floor Insulation Values: The R-values indicated represent the minimum acceptable insulation level added to the structural components of the wall, ceiling or floor. The R-value of the structural building materials shall not be included in this calculation. "Common" components are those separating conditioned tenancies in a multifamily building. "Adjacent" components separate conditioned space from unconditioned but enclosed space. "Exterior" components separate conditioned space from unconditioned and unenclosed space.

Floor: Slab-on-grade floors without edge insulation are acceptable. Raised wood floors shall have continuous stem walls with insulation placed on the stem wall or under the floor except Package B.

Ducts: "TESTED" shall mean the ducts have less than 5% leakage based on a certified test report by a State-approved tester.

Space Cooling System: Cooling systems shall have a Seasonal Energy Efficiency Ratio (SEER) for central units or Energy Efficiency Ratio (EER) for room units or PTAC's equal to or greater than the prescribed value.

Electric Space Heating Option: Heat pump systems shall be rated with a Heating Seasonal Performance Factor (HSPF) equal to or greater than the prescribed HSPF. Heat pump systems may contain electric strip backups meeting the criteria of section 608.1.ABC.3.2.1.2. No electric resistance space heat is allowed for these packages.

Electric Resistance Hot Water Option: For packages designated "Not Allowed", an electric resistance hot water system may be installed only in conjunction with one of the "Other Hot Water System Options". See below.

Other Hot Water System Options: Any dedicated heat pump, heat recovery unit, or solar hot water system may be installed. Solar systems must have an EF of 1.5 or higher. Electric resistance systems having an EF of .90 or greater, or natural gas systems with EF .59 or greater may be used in conjunction with these systems.

TABLE 6B-2 MINIMUM REQUIREMENTS FOR ALL PACKAGES			
COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	606.1	To be caulked, gasketed, weather-stripped or otherwise sealed.	
Exterior Windows & Doors	606.1	Max .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Sole & Top Plates	606.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	
Recessed Lighting	606.1	Type IC rated with no penetrations (two alternatives allowed).	
Multi-story Houses	606.1	Air barrier on perimeter of floor cavity between floors.	
Exhaust Fans	606.1	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have minimum thermal efficiency of 78%.	
Hot Water Pipes	612.1	Insulation is required for hot water circulating systems (including heat recovery units).	
Shower Heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
HVAC Duct Construction, Insulation & Installation	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section 610.1. Ducts in attics must be insulated to a minimum of R-6.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	

TO BE INSTALLED	
15 %	
DC: <input checked="" type="checkbox"/>	ST: <input type="checkbox"/>
1'4" FEET	
EXT: R =	
ADJ: R =	
COM: R =	
EXT: R =	11
ADJ: R =	
COM: R =	
UNDER ATTIC: R =	30
COMMON: R =	
R =	
R =	
R =	5
R =	6 COND. <input checked="" type="checkbox"/>
SEER =	13.0
COP =	8.0
AFUE =	
EF =	.92
EF =	
DHP: <input type="checkbox"/>	EF =
HRU: <input type="checkbox"/>	
SOLAR: <input type="checkbox"/>	EF =