

Project Title \_\_\_\_\_

Date \_\_\_\_\_

**INTERIOR THERMAL MASS: METHOD B**

Method B is one of the two possible options for calculating interior mass as explained in Section 4.2 of the *Residential Manual (RM)*. The other option, Method A, is a simplified method to take thermal mass credit for concrete slab-on-grade only. This worksheet is not required for Method A. Method B must be used to take thermal mass credit for any mass elements other than concrete slab-on-grade.

Calculate the Interior Mass/CFA value using the worksheet space below. Look up the Unit Interior Mass Capacity (UIMC) for each interior mass surface in the *RM* Table 4-9a, 4-9b and 4-10. Include the interior surfaces of exterior mass walls. For interior mass walls exposed on both (two) sides to conditioned space, enter the surface area of only one side. Include the inside surfaces of exterior mass walls as explained in Section 4.2 of the *RM*.

Description	Mass Area	×	Unit Interior Mass Capacity	=	Interior Mass Capacity
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
					_____ ÷ _____ = _____
					Total CFA Interior Mass/CFA

**EXTERIOR WALL THERMAL MASS**

Calculate the Exterior Wall Mass of all exterior walls. Look up the Exterior Mass Factor for each opaque wall element from *RM* table 4-10. Only exterior wall mass surfaces may be included in this calculation.

*Note: Conventional framed walls cannot be used for Exterior Thermal Mass credit.*

Description	Opaque Wall Area	×	Exterior Mass Factor	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
_____	_____	×	_____	=	_____
					_____ ÷ _____ = _____
					Total Total Opaque Wall Area Exterior Wall Mass