

## STATE BUILDING CODE INTERPRETATION NO. I-10-01

March 13, 2001

The following is offered in response to your letter to me dated March 2, 2001 in which you seek a formal interpretation of the provisions of sections 1405.5 and 2112.0 of the BOCA National Building Code/1996 portion of the 1999 State Building Code.

**Question One:** What portion of section 1405.5 and its following subsections applies to the installation of brick veneer on wood studs?

**Answer One:** Since the three subsections, 1405.5.1 through 1405.5.3, apply specifically to stone veneer, slab-type veneer and terra cotta or ceramic veneer, they are not applicable to the installation of brick veneer. The only applicable portion of section 1405.5 would therefore be the reference to the requirements of ACI 530/ASCE 5/TMS 402 – 95.

**Question Two:** Does the prohibition against supporting masonry on wood girders or other forms of wood construction found in section 2112.3 apply to brick veneer supported by a steel angle bolted to a wood frame wall?

**Answer Two:** No. The provisions of Chapter 21 are limited to masonry construction, not to brick veneer applied to wood frame. The definition of masonry found at section 2102.0 is “*A built-up construction or combination of building units or materials of clay, shale, concrete, glass, gypsum, stone or other approved units bonded together with mortar.*” This definition does not include the attachment of brick veneer to a wood frame wall, which by its very nature relies in part on attachment to the wood construction for support of the veneer. Care must be taken to limit the deflection of the supporting wood construction to ensure that the integrity of the veneer is maintained.