



## Clark County Department of Building & Fire Prevention

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<b>Division:</b>	Building Division - Engineering	<b>Policy &amp; Procedure</b>	BE-PP-079
<b>Subject:</b>	POST-TENSIONED SLAB ON GRADE	<b>Effective Date:</b>	05/01/2007
<b>Code:</b>	2012 IBC 1705.3	<b>Reviewed Date:</b>	07/13/2016

**A. POLICY**

The Clark County Building Department requires special inspection for post-tensioned concrete slabs on grade to comply with section 1705.3 of the 2012 IBC when:

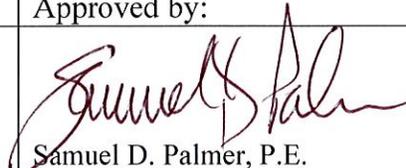
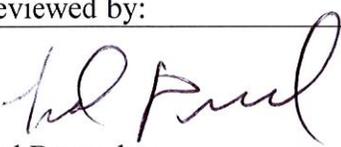
1. The effective pre-stress in the concrete is equal to or greater than 150 psi;
2. The footing sizes for all exterior, bearing, and shear walls are less than specified in Table 1809.7;
3. When the expansive level of the soils is moderate or higher per Table 1808.6.2; or
4. The design professional specifies post-tensioning as a special inspection on the approved plans.

**B. PROCEDURE**

1. The design professional must identify on the plans or in the calculations the effective pre-stress in the concrete.
2. A QAA Special Inspection Agreement will be written for Concrete Special Inspection (item "C") when any condition above warrants a special inspection.
3. A QAA Special Inspection Agreement is not required when none of the conditions above warrant a special inspection of a post-tensioned slab.

**Revision History:**

POLICY #	TITLE	Effective Date	Revised	Reviewed
AD-PP-OPS-018	Post-Tensioned Slab On Grade	5/1/2007		
BD-PP-079	Post-Tensioned Slab On Grade			8/15/2008
BD-PP-079	Post-Tensioned Slab On Grade			8/05/2012
BD-PP-079	Post-Tensioned Slab On Grade			5/9/2013
BE-PP-079	Post-Tensioned Slab On Grade		6/20/2014	06/30/2015
BE-PP-079	Post-Tensioned Slab On Grade			07/13/2016

Developed by:  <i>Building Division (2007)</i>	Reviewed by:   Kevin McOsker <i>Plans Exam Manager</i>
Reviewed by:   Brenda Thompson <i>Inspection Manager</i>	Approved by:   Samuel D. Palmer, P.E. <i>Acting Director/Building Official</i>
 Ted Droessler <i>Engineering Manager</i>	