Clark County Building Department

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Division:	**Engineering**	**Policy & Procedure:**	**BD-PP-218**
Subject:	**POST-TENSIONED SLAB ON GRADE**	**Effective Date:**	**05/01/2007**
Code:	**2024 IBC 1705.3**	**Revised Date:**	**07/13/2026**

A. POLICY

The Clark County Building Department requires concrete special inspection for post-tensioned concrete slabs on grade to comply with section 1705.3 of the 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 of the Southern Nevada Amendments to the International Building Code; 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.

Prepared By: Engineering Division	**Date Prepared**: 2007

Revision History:

Title	Revision/Approved Date	Effective Date
Post-Tensioned Slab On Grade AD-PP-OPS-018		05/01/2007
Post-Tensioned Slab On Grade BE-PP-079	06/20/2014	
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