



Clark County Department of Building & Fire Prevention

4701 West Russell Road • Las Vegas NV 89118

(702) 455-3000 • Fax (702) 221-0630

Division:	Building Division - Engineering	Policy & Procedure:	BD-PP-218
Subject:	POST-TENSIONED SLAB ON GRADE	Effective Date:	05/01/2007
Code:	2018 IBC 1705.3	Revised Date:	01/01/2021

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 2018 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.

Prepared By: Building 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	
Post-Tensioned Slab On Grade BD-PP-218	01/01/2021	

Reviewed by:

N/A
Vacant
Engineering Manager

Werner Hellmer
Werner Hellmer, P.E.
Manage of Plans Exam.

Zach Gharibian
Zach Gharibian
ACET Manager

Matthew Brewer
Matthew Brewer
Manager of Inspections

Danny Horvat
Danny Horvat
Assistant Fire Chief

Wayne Dailey
Wayne Dailey
Assistant Fire Chief

Ofelia Monje
Ofelia Monje
Senior Management Analyst

Amara Vigil
Amara Vigil
Senior Management Analyst

Samuel D. Palmer
Samuel D. Palmer, P.E. C.B.O
Assistant Director

James Gerren
James Gerren, P.E. C.B.O
Assistant Director

Approved by:

Jerome A. Stueve
Jerome A. Stueve, P.E.
Director/Building & Fire Official

POST-TENSIONED SLAB ON GRADE