

# ADMINISTRATIVE ORDER # 2011-1

## Design Snow Load Clarification

**Purpose:** The purpose of this Administrative Order is to provide clarification to design professionals concerning the determination of design snow loads in accordance with Sections 1608.1 and 1608.2 of the 2009 International Building Code (IBC) and its reference to Section 7 of the American Society of Civil Engineers (ASCE) – 2005 as found in Manheim Township PA UCC Technical Amendment Ordinance 2004-8.

**Applicability:** This applies to, but is not limited to, the structural design of roofs as part of new constructions, additions, repairs or making a determination of unsafe roof structures as determined by the Director of Code Compliance.

**Determination:**

- (1) 2009 IBC Section 1608.1, General, is applicable
- (2) 2009 IBC Section 1608.2, Ground snow loads, is deleted in its entirety and replaced as follows:

“The ground snow load (Pg) to be used in determining the design snow loads for roofs in accordance with ASCE 7-05 is 30 pounds per square foot (psf)”

- (3) ASCE 7-2005 Chapter 7 is amended to read as follows:

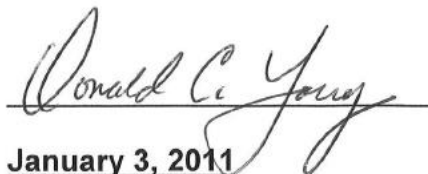
7.3 Flat Roof Snow Loads, pf. Delete equation 7-1 and replace as follows:

$$P_f = C_e C_t I p_g$$

7.3.1 Exposure factor,  $C_e$ . This section is revised as follows: the value for  $C_e$  shall be determined from Table 7-2, except that the  $C_e$  value used shall not be less than 1.0

7.3.3 Importance factor,  $I$ . This section is revised as follows: the value for  $I$  shall be determined from table 7-4, except the  $I$  value used shall not be less than 1.0

Issued by:



Effective Date:

January 3, 2011