A. **CODE REQUIREMENT**

The use of non-metallic (combustible) water piping, waste & vent piping, and electrical conduit shall be limited to underground installations and only within Type III, IV or V (combustible) buildings, as defined by the International Building Code (IBC), unless otherwise approved by local code amendments.

B. **INTERPRETATION**

Non-metallic piping and conduit is permitted underground and under the slab-on-grade of any building of any type of construction; however, metallic (non-combustible) piping and conduit must be used within a Type I or Type II (non-combustible) building.

The point of transition from non-metallic piping or conduit to metallic piping or conduit in a Type I or Type II building shall be made below the slab-on-grade. The piping or conduit penetration of the slab-on-grade into the Type I or Type II building shall be of metallic materials, unless otherwise approved by the adopted code or code amendments.

C. **RATIONALE**

The transition connection below the building slab-on-grade will assure that no part of the combustible piping or conduit will be within a Type I or Type II (non-combustible) building.

**Revision History:**

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<td>BP-CI-034</td>
<td>Non-metallic Piping/Conduit in Type I or Type II Buildings</td>
<td>June 1, 2009</td>
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**Approved by:**

Ronald L. Lynn, Director

**Concurred by:**

Gregory J. Franklin, Assistant Director
Division: Building Division – Plans Exam

Subject: NON-METALLIC PIPING/CONDUIT IN TYPE I OR TYPE II BUILDINGS

Code: 701.1.2.1 Southern Nevada UPC Amendments
      300.1 Southern Nevada NEC Amendments

Code Interpretation: BP-CI-034

Effective Date: 06/01/2009

Revised Date: 

CLARK COUNTY DEVELOPMENT SERVICES

E/P-106
06-01-09
PG. 1 OF 1

TYPE I OR II BUILDING TRANSITION FROM NON-METALLIC PIPING/CONDUIT TO METALLIC PIPING/CONDUIT

METALLIC PIPING OR CONDUIT

TYPE I OR II BUILDING SLAB – ON GRADE

NON-METALLIC PIPING OR CONDUIT

LISTED TRANSITION COUPLING AT EITHER LOCATION (APPLICABLE TO TYPE I & TYPE II BUILDINGS)