Fire Prevention Division
1825 N. 107th Avenue
Avondale, Arizona 85392
Phone: (623) 333-6140
Fax: (623) 333-0600
Website: www.avondale.org

SUPPLEMENTAL RULES & REGULATIONS

Number:	15-A.8.16.4.1 & 2		
Subject:	Remote Inspector's Test Connection		
Code:	2002 NFPA 13	**Code Section:**	A.8.16.4.1 & 2
Effective Date:	June 22, 2015	**Issued by:**	Fire Marshal Roger Parker
Supersedes:	NA	**Date:**	NA

AUTHORITY:
§104.1 of the 2003 International Fire Code authorizes the fire marshal to render interpretations of the fire code, and to adopt policies, procedures, rules and regulations in order to clarify the application of its provisions.

PURPOSE:
To clarify the intent of the fire code amendment and establish rules and regulations regarding requirements for fire department connections (FDC).

SCOPE:
This regulation covers all facilities, buildings, or uses within the City of Avondale after the effective date.

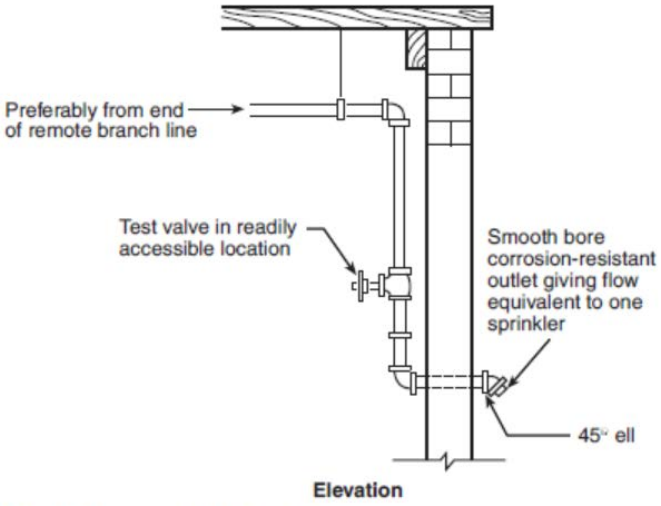
GENERAL:
The 2002 NFPA 13 §A.8.16.4.1 states:

> *See Figure A.8.16.4.1.*

The 2002 NFPA 13 §A.8.16.4.2 states:

> *This test connection should be in the upper story, and the connection preferably should be piped from the end of the most remote branch line. The discharge should be at a point where it can be readily observed. In locations where it is not practical to terminate the test connection outside the building, the test connection is permitted to be drained into a drain capable of accepting the full flow under system pressure. In this event, the test connection should be made using an approved sight test connection containing a smooth bore corrosion-resistant orifice giving a flow equivalent to one sprinkler simulating the least flow from an individual sprinkler in the system. The test valve should be located at an accessible point and preferably not over 7 ft. above the floor. The control valve on the test connection should be located at a point not exposed to freezing.*

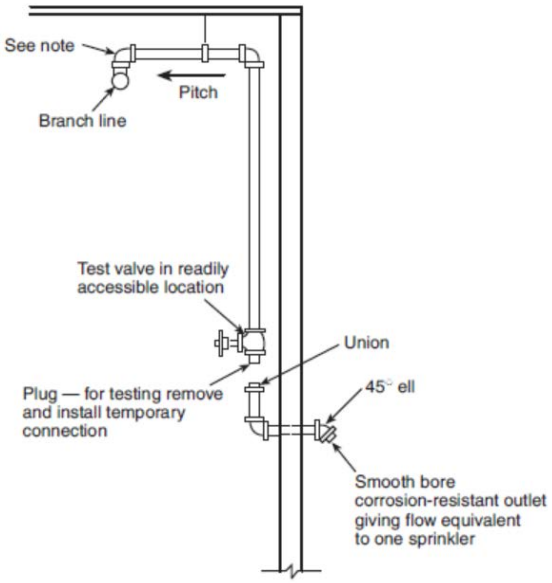
SUPPLEMENTAL RULE OR REGULATION:
A **REMOTE** inspector's test connection shall be piped from the end of the most remote branch line. In multistory buildings this test connection shall be located in the upper story. The discharge shall be at a point where it can be readily observed. In locations where it is not practical to terminate the test connection outside the building, the test connection is permitted to be drained into a drain capable of accepting the full flow under system pressure. In this event, the test connection shall be made using an approved sight test connection containing a smooth bore corrosion-resistant orifice giving a flow equivalent to one sprinkler simulating the least flow from an individual sprinkler in the system. The test valve shall be located at an accessible point and preferably not over 7 ft. above the floor. The control valve on the test connection shall be located at a point not exposed to freezing.



Note: Not less than 4 ft (1.2 m) of exposed test pipe in warm room beyond valve where pipe extends through wall to outside.

FIGURE A.8.16.4.2(a) System Test Connection on Wet Pipe System.

FIGURE A.8.16.4.2(b) Floor Control Valve.



A remote inspector's test connection shall be installed on **existing** sprinkler systems when modifications are made to the sprinkler system.

Approved Inspector Test signs shall be installed in accordance with fire department policy.

JUSTIFICATION:
The remote inspector's test connection is used to simulate the flow from a single remote sprinkler of the smallest orifice size so the fire alarm system waterflow switch can be tested for compliance with NFPA 72.