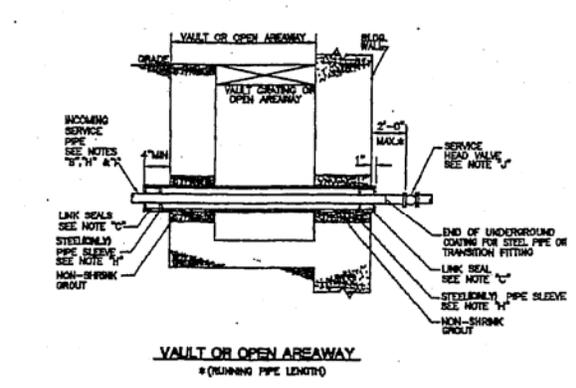
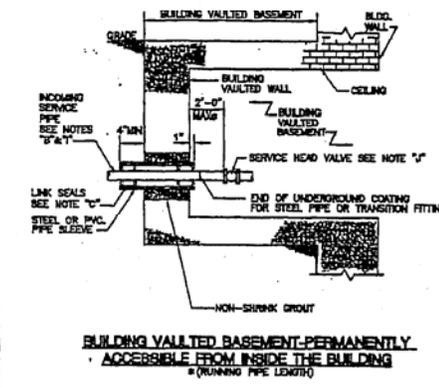
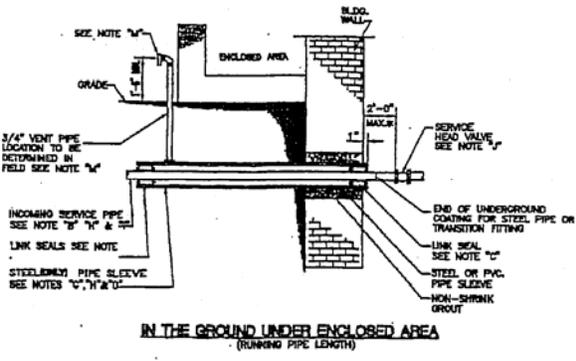
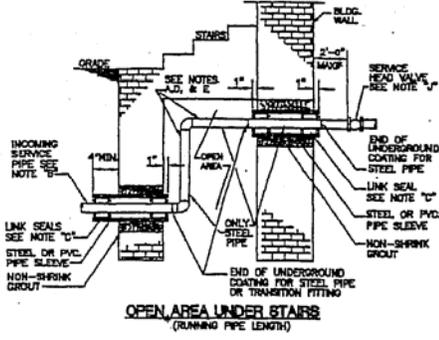


REQUIREMENTS FOR GAS SERVICE INSTALLATIONS BOOK  
 COUNTY, NEW YORK  
 VOL. 2, REV. 12



**NOTES**

- A- AFTER COMPLETION OF PRESSURE TESTS, ALL EXPOSED PIPING AND FITTINGS SHALL BE WIRE BRUSHED, PRIMED AND PAINTED WITH A SUITABLE TYPE OF PAINT FOR USE ON OUTDOOR METAL SURFACES.
  - B- ALL STEEL PIPE AND FITTINGS INSTALLED IN A SLEEVE OR BURIED SHALL BE COATED USING A COMPANY APPROVED UNDERGROUND COATING. ALL WELDS THAT ARE LOCATED ABOVE THE SLEEVE MUST BE EITHER X-RAYED OR DYE PENETRATION TESTED.
  - C- REFER TO G-8006 FOR LINK SEAL AND SLEEVE SIZING AND INSTALLATION.
  - D- EXPOSED SERVICE PIPE OR SLEEVES SHALL BE ADEQUATELY SUPPORTED. STEEL SERVICE PIPE MUST BE ELECTRICALLY INSULATED FROM PIPE SUPPORTS.
  - E- EXPOSED SERVICE PIPE SHALL ONLY BE STEEL AND JOINED ONLY BY USING EITHER THREADED OR WELDED CONNECTIONS. COMPRESSION FITTINGS ARE NOT PERMITTED. SEE SPECIFICATION G-8100, SECTION 5.0 FOR INSTRUCTIONS (ON THE USE OF COMPRESSION FITTINGS) WHEN METERS/REGULATORS ARE ALSO INSTALLED UNDER AN OUTSIDE STAIRCASE.
  - F- SLEEVE, LINK SEALS, AND GROUT REQUIRED ONLY FOR MASONRY WALLS.
  - G- SLEEVE SHALL EXTEND BEYOND OUTSIDE WALL OF BUILDING EXTENSION.
  - H- STEEL SERVICE PIPE IN A SLEEVE OVER 10 FEET LONG SHALL BE SUPPORTED BY INSULATING PIPE SHOCKS AS PER SPEC. G-100280.
  - I- EXISTING STEEL SERVICES MAY BE INSERTED WITH PLASTIC OR COPPER PIPING/TUBING. PLASTIC PIPING/TUBING MAY NOT BE EXTENDED MORE THAN 3' BEYOND THE INNER FACE OF THE BUILDING'S WALL/VAULTED WALL AND SHALL NOT BE EXPOSED INSIDE THE BUILDING OR THE BUILDING'S VAULTED BASEMENT AREA. PLASTIC PIPING/TUBING SHALL NOT BE INSTALLED/INSERTED INSIDE A STEEL SLEEVE THROUGH AN ELECTRIC OR STEEL HANDBOLE/WALL. WHEN INSERTING PLASTIC PIPING/TUBING (UP TO 1 1/4" DIA.) THROUGH AN EXISTING SERVICE PIPE AND NO THREADED CONNECTION EXISTS ON THE OLD SERVICE PIPE (TO BE INSERTED) WITHIN 3" OF THE BUILDING/BUILDING VAULTED WALL, THEN CUT THE OLD SERVICE PIPE AS CLOSE AS POSSIBLE TO THE BUILDING/BUILDING VAULTED WALL AND INSTALL AN INSULOK AND SERVICE HEAD ADAPTER/BASEMENT TEE.
  - J- THE SERVICE HEAD VALVE SHALL BE TAMPER-PROOF (UP TO AND INCLUDE 4" DIAMETER) AND SHALL BE:
    - SCREW ENDS FOR ALL LOW PRESSURE SERVICES THAT ARE 4" OR LESS IN DIAMETER.
    - SCREW ENDS FOR ALL SERVICES OPERATING AT GREATER THAN LOW PRESSURE THAT ARE 3" OR LESS IN DIAMETER.
    - FLANGED (WELD NECK) ENDS FOR ALL LOW PRESSURE SERVICES THAT ARE 6" AND LARGER IN DIAMETER. (SEE NOTE K & L)
    - FLANGE (WELD NECK) ENDS FOR ALL SERVICES OPERATING AT GREATER THAN LOW PRESSURE THAT ARE 4" AND LARGER IN DIAMETER.
- FOR A LOW PRESSURE SERVICE, THE INDOOR SERVICE HEAD VALVE SHALL BE INSTALLED WITHIN 24" (OF RUNNING PIPE LENGTH) (NYC BUILDING CODE) FROM THE POINT OF ENTRY.
- NOTE:**  
 THIS MAY ALLOW THE SERVICE HEAD VALVE TO BE USED AS A "BYPASS VALVE" (FOR "BYPASSING" THE BUILDING) AT A FUTURE DATE.  
 FOR A SERVICE OPERATING AT A GREATER THAN LOW PRESSURE, THE INDOOR SERVICE HEAD VALVE SHALL BE THE FIRST FITTING INSTALLED INSIDE THE BUILDING.

- EXCEPT FOR A SERVICE INSERTION WITH A SERVICE HEAD ADAPTER, THEN THE INDOOR SERVICE HEAD VALVE SHALL BE THE FIRST FITTING INSTALLED ONTO THE SERVICE HEAD ADAPTER (EXCEPT WHERE A "PERMANENT" OBSTRUCTION EXISTS, THEN THE SERVICE HEAD VALVE SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE SERVICE HEAD ADAPTER (PROVIDED A SUPERVISOR APPROVES AND DOCUMENTS [ON 50-138] SAME). THE INDOOR SERVICE HEAD VALVE MUST BE ACCESSIBLE, WHERE THE SERVICE HEAD VALVE IS LOCATED 8 FEET OR MORE ABOVE THE FLOOR LEVEL, AN OPERATING CHAIR OR A PERMANENT ACCESS PLATFORM SHALL BE INSTALLED BY THE CUSTOMER.
- K- THE CUSTOMER MUST INSTALL A FLANGE INSULATING KIT ON THE DOWN STREAM SIDE OF ALL FLANGE (WELD NECK) END SERVICE HEAD VALVES.
- L- INSTALL INSULATING JOINT OR FLANGE INSULATING KIT WHERE THE GAS SERVICE PIPE IS STEEL.
  - 1- FOR A LOW PRESSURE GAS SERVICE, INSTALL INSULATING JOINT BETWEEN THE GAS SERVICE HEAD VALVE AND THE GAS METER.
  - 2- FOR A HIGH PRESSURE GAS SERVICE, INSTALL INSULATING JOINT BETWEEN THE GAS REGULATOR AND GAS METER.
- M- VENT CAP SHALL BE LOCATED A MINIMUM OF 18" ABOVE GRADE AND A MINIMUM OF 18" (WHENEVER PRACTICAL) FROM ANY OPENING INTO THE BUILDING WHICH COULD ALLOW VENTED GAS TO ENTER THE BUILDING. THE VENT CAP SHALL BE RAIN AND INSECT RESISTANT. ALL BELOW GROUND VENT PIPING SHALL BE COATED AS PER APPLICABLE COMPANY SPECIFICATION.
- N- SLEEVE PIPING SHALL BE SCHEDULE 40 STEEL OR SCHEDULE 40 PVC. POLYETHYLENE PIPE SHALL NOT BE USED AS SLEEVE PIPE.
  - O- IF THE EXISTING SERVICE PIPE IS TO BE REUSED AS THE SLEEVE, THEN IT MUST BE PRESSURE TESTED AT 3 PSIG. FOR 5 MINUTES AND DOCUMENT SAME ON THE BACK OF THE 50-138. THE RECOMMENDED METHOD TO SEAL AND VENT THE END OF THE EXISTING SERVICE PIPE (TO BE USED AS A SLEEVE) THAT IS IN THE GROUND (UNDER THE ENCLOSED LIVING SPACE) OUTSIDE THE BUILDING IS TO:
    - 1- INSTALL A "TRIAL" COUPLING WITH A TAPHOLE TO SEAL THE END OF THE SLEEVE AND THE NEW SERVICE PIPE/TUBING AND INSTALL A VENT LINE (WITH THE VENT CAP).
    - 2- TAP A HOLE IN THE SLEEVE TO INSTALL A VENT LINE (WITH VENT CAP) AND INSTALL A 3M COLD SHRINK TO SEAL THE END OF SLEEVE AND THE NEW SERVICE PIPE/TUBING.
  - P- FOR A GAS SERVICE THAT ENTERS A BUILDING FROM BENEATH (I.E. THROUGH THE FLOOR RATHER THAN THROUGH THE FOUNDATION/VAULTED WALL) THE BUILDING, THE GAS SERVICE SHALL BE ENCLOSED IN A GAS TIGHT CONDUIT, THAT IS VENTED TO THE OUTSIDE ATMOSPHERE. SEE EO-16846-B.

REQUIREMENTS FOR GAS SERVICE INSTALLATIONS BOOK  
 COUNTY, NEW YORK  
 VOL. 2, REV. 12

SERVICE PIPE/TUBING AND SERVICE SLEEVE THROUGH VAULT, OPEN AREA, OPEN AREA UNDER STAIRS, UNDER ENCLOSED AREA, AND INTO VAULTED BASEMENT.			
CONSOLIDATED EDISON COMPANY OF N.Y., INC. GAS ENGINEERING DEPT			
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