



BERNALILLO COUNTY  
111 Union Square SE Suite 100 Albuquerque NM 98124

GUIDELINES RESIDENTIAL PLUMBING, MECHANICAL AND GAS INSPECTIONS.

BERNALILLO COUNTY GUIDELINES FOR RESIDENTIAL MECHANICAL INSPECTIONS.

ADDRESS MUST BE POSTED ON JOB SITE VISIBLE FROM THE STREET FOR ALL INSPECTIONS  
Official Stamped plans must be on site with inspection sign off sheet and heat load calculations or affidavit if applicable.

RADIANT HEATING

1. TUBING MUST HAVE AT LEAST 50 LBS OF AIR PRESSURE.
2. ALL TUBING MUST BE SECURED EVERY 18" TO 24"
3. TUBING SHALL BE MADE WITH AN APPROVED OXYGEN DIFFUSION BARRIER

HEATING UNDERGROUND

1. MUST HAVE 2" CLEARANCE TO DIRT. WILL BE ENCASED WITH 2" CONCRETE
2. DUCTS SHALL BE SUFFICIENTLY SUPPORTED.
3. JOINTS MUST HAVE SHEET METAL SCREWS
4. APPROVED PLASTIC MATERIAL MAY BE USED.

HEATING/COOLING TOP OUT

1. DUCT MUST BE INSULATED IN ALL UNHEATED AREAS. EXCEPT FOR EVAPORATIVE COOLING ONLY DUCT. ALL TEARS IN FLEX DUCT SHALL BE TAPED OVER.
2. RETURN AIR MUST BE IN ACCEPTABLE LOCATION.
3. WATER HEATER AND FURNACES SHALL NOT BE INSTALLED IN BEDROOM, BATHROOM OR ROOMS LEADING INTO BEDROOM OR BATHROOM UNLESS APPLIANCE IS DIRECT VENT OR CLOSET IS GASKETED DOOR ASSEMBLY AND SELF CLOSING DOOR.
4. EXHAUST FAN LOCATION. VENT SHALL NOT TERMINATE CLOSER THAN 3 FEET TO AIR INTAKE OR OPENINGS INTO BUILDING.
5. FLEX DUCT MUST BE SUPPORTED VERY 4 FEET. FULLY EXTEND FLEX DUCT AND AVOID BENDING IN SHARP RADIUS.
6. PROPER LOCATION OF SOURCE OF COMBUSTION AIR.
7. NO DUCT OPENINGS ATTACHED TO HOUSE SUPPLY SHALL BE IN GARAGE
8. GAS APPLICANCES IN GARAGES AND IN ADJACENT SPACES THAT OPEN TO THE GARAGE AND ARE NOT PART OF THE DWELLING SPACE SHALL BE INSTALLED WITH BURNERS NO LESS THAN 18" ABOVE THE FLOOR. SHALL INCLUDE ROOMS AND AREAS OFF GARAGE WITH NO DOORSTOPS AND SILLS SEPERATING THE AREAS WITH THE GARAGE. EXCLUDING DYERS.
9. CRAWL SPACE CHP SHALL BE INSTALLED ON A MINIMUM OF 4 - 4" HIGH 8"X16" CONCRETE BLOCKS
10. ATTIC CHP SHALL BE INSTALLED ON A DECK OR SUSPENDED WITH BRACING TO PREVENT SWAY.
11. WALL FURNACE; NOT LESS THAN 6 INCHES FROM INSIDE CORNER. NO DOOR SWING WITHIN 12". INSTALLED 18" BELOW ANY STRUCTUAL PROJECTION.
12. FLEX DUCT MUST NOT HAVE TEARS IN JACKET.

TEMPORARY HEAT

1. TEMP HEAT – OCTOBER 31<sup>ST</sup> – APRIL 1<sup>ST</sup>
2. SHEET ROCK MUST BE INSTALLED BEHIND APPLIANCE



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### GUIDELINES RESIDENTIAL PLUMBING, MECHANICAL AND GAS INSPECTIONS.

#### HEATING/COOLING FINAL

1. BOILER MUST HAVE MIN OF WATTS 9D BACKFLOW PREVENTOR ON WATER SUPPLY.  
NO DUAL CHECK VALVES ALLOWED.
2. PIPES ON BOILER MUST BE INSULATED.
3. CENTRAL HEATING FURNACES MUST BE HEAT CHAULKED BETWEEN UNIT AND PLENUM.
4. A/C DRAINS MUST HAVE MIN 1" CLEARANCE TO SANITARY DRAIN.
5. ALL PLUMBING AND GAS APPLIANCE VENTS MUST BE 3' ABOVE OR 10' AWAY FROM  
AIR INTAKE, DOOR OR WINDOW AND 7' ABOVE HABITABLE DECK SPACE
6. FIXTURE/ APPLIANCE COUNT TO MATCH PERMIT

#### WATER HEATER FINAL

1. WATER HEATERS MUST BE STRAPPED FOR SEISMIC MOVEMENT WITH 2 STRAPS – 1 ON EACH  
1/3 UPPER AND 1/3 LOWER
2. IF CLOSED SYSTEM THAN A THERMAL EXPANSION TANK IS REQUIRED OR IF WATER HEATER  
MANUFACTURE IS REQUIRING AN EXPANSION TANK.
3. T AND P MUST SLOP DOWNWARD ¼" PER FOOT. HARD PIPED WITH UNION.
4. A PAN UNDER THE WATER HEATER IS REQUIRED WHEN IT IS IN A LOCATION THAT MAY CAUSE  
DAMAGE IF LEAKAGE OCCURS.