



Illinois Water Heater Installation & Safety Checklist

REFERENCED IN 890.1220 A
890.APPENDIX I- 890.ILLUSTRATION L

SAFETY DEVICES - 2014 ILPC & 2012 IRC

- ☐ **890.1230 D4** - FLOOR DRAIN (LOCATED IN THE SAME ROOM AS THE HEATER)
 - ☐ **890.1230 D3** - T & P DISCHARGE (COPPER OR GALVANIZED PIPING)
 - ☐ **890.1230 D2** - NO REDUCERS, COUPLINGS, OR THREADS @ BOTTOM OF PIPE
 - ☐ **P2801.5** - SAFE PAN REQUIRED TO PREVENT FLOOD DAMAGE PROTECTION. This item is required by the IPC & IRC but not the Il plbg code
 - ☐ **890.1370.** - FLOOR DRAIN (required)
-

WATER SUPPLY - 2014 PLUMBING CODE

- ☐ **890.210 A- APP. A TABLE A** - APPROVED MATERIALS (MANDATORY)
 - ☐ **890.1210 A** - CORRECT SIZE PIPING- (TABLE M- FIXTURE LOAD VALUES)
 - ☐ **890.1190 D (EACH HEATER)** - WATER HEATER SHALL HAVE A FULL PORT, LF VALVE WITHIN 5 FT
 - ☐ **890.310 (LEAKING)** - JOINTS, CONNECTIONS, (LEAKS)
 - ☐ **890.330 A** - COPPER TO GALVANIZED - THREADED ADAPTERS BRONZE/COPPER -
 - ☐ **890.350.** - UNIONS-BRASS CONVERTER OR DIELECTRIC
 - ☐ **890.630 I** - HTR NOT ACCEPTABLE ALTERNATE TEMP. CONTROL DEVICE (890.680) -
 - ☐ **890.920-930** - IMPROPER/MISSING PIPE HANGERS AND SUPPORTS
 - ☐ **890.1130 G7** - EXPANSION TANK FOR CLOSED SYSTEMS (NEEDED FOR > 50 KBTU) -
 - ☐ **890.1130 E5** - PIERCING/ SADDLE CLAMP - IMPROPER VALVE
 - ☐ **890.1200 C** - DEAD END IF > 24"
 - ☐ **890.1230 C2** - NO VALVE ALLOWED BETWEEN (HEATER) & (EXP TANK)
 - ☐ **890.1230 F** - (VRV)-VACUUM RELIEF VALVE- FOR ELEVATED OR BOTTOM FED
 - ☐ **LOCAL AMENDMENTS** - FLEXIES ARE PROHIBITED (FOR BOTH GAS AND WATER)
-



GAS VENTS - CHAPTER 24 FUEL GAS- CATEGORY 1 APPLIANCE (26 GA.)

- ☐ **G2407** - COMBUSTION, VENTILATION AND DILUTION AIR (LOUVERS & GRILLES)
- ☐ **G2425** - CHIMNEY VENT-FLUE LINING, RESIZING, FLUE PASSAGE REPAIR
- ☐ **G2427** - SHEET METAL 3 SCREWS OR RIVETS
- ☐ **G2427.5.5** - INSPECT PRIOR TO APPLIANCE REPLACEMENT (clear of obstructions)
- ☐ **G2427 - CLEARANCE TO COMBUSTIBLES** - JOINTS, CLEARANCE, DRAFT HOOD, PITCH (MIN. SLOPE 1/4" PER FT)
- ☐ **G2428 (MIN RISE)** - VENT CONNECTOR-CHART (20' RISE, 5' LATERAL, 3" VENT = 47 KBTU MAX)
- ☐ **G2428 (MAX LENGTH)** - MAX VENT CONNECTOR LENGTH (3"= 4.5 FT, 4"= 6 FT, 5" = 7.5 FT)
- ☐ **G2427.10 / G2428** - SINGLE DRAFT HOOD AND FAN ASSIST -- (12", 24", 36" riser)
- ☐ **G2427.10 / G2428** - MULTIPLE APPLIANCES, COMMON CONNECTOR/MANIFOLD
- ☐ **G2426** - INSULATION SHIELD FOR ATTIC B-VENT

GAS PIPE - CHAPTER 24 FUEL GAS - 20015 IRC

- ☐ **G2413** - SIZE, CAPACITY, DEMAND, (LONGEST LENGTH OR BRANCH METHOD)
- ☐ **G2414** - DAMAGED THREADS, JOINT COMPOUNDS, METALLIC FITTINGS
- ☐ **G2418** - PIPE HANGERS - SUPPORTS
- ☐ **G2419** - SEDIMENT TRAP (DIRT LEG) REQUIRED
- ☐ **G2420** - SHUT OFF VALVE (GAS COCK) WITHIN 6 FT
- ☐ **G2422** - UNIONS (WITHIN 6 FT)

APPLIANCE - IRC CHAPTER 13 MECHANICAL & 24 FUEL GAS - 2014 ILPC

- ☐ **M1305.1** - MIN.ACCESS FOR SVC, REPAIR, REPLACEMENT OR INSPECTION (WITHOUT REMOVING PERMANENT CONSTRUCTION ITEMS)
- ☐ **G2406.2 (303.3)** - PROHIBITED LOCATIONS (BEDROOMS, BATHROOMS, STORAGE CLOSETS)
- ☐ **G2408** - IGNITION SOURCE ELEVATION
- ☐ **G2404 (301)** - FLOOD HAZARD AND SEISMIC LOCATIONS
- ☐ **M1411.3 & M1307 (890.1010)** - CONDENSATE DRAIN (890.1010 clear water waste)
- ☐ **G2448.1** - FOLLOW MFG INSTRUCTIONS (225ilcs320/40)
- ☐ **890.630D-L.L.(2&40)** - FIXTURES (& APPLIANCES) SHALL BE SET PLUMB, LEVEL, TRUE
- ☐ **890.110. APPLICABILITY** - FOR NEW, ALTERED, MODIFIED, RENOVATED, REPLACED OR IF A HAZARD EXISTS
- ☐ **890.140 COMPLIANCE** - HEALTH AND SAFETY, additional plumbing may be needed to abate the hazard
- ☐ **890.200 A** - MUST BE IN A FUNCTIONAL ,SAFE AND SANITARY CONDITION
- ☐ **G2411** - ELECTRIC BONDING (waters and gas piping)