

# Top 10 – Most Common Errors

## Building

1. Foundation anchorage. (2012 IRC Section 403.6 Exception 1)
2. Ceiling joists & rafter connections. (2012 IRC Section 802.3.1)
3. Glazing – hazardous locations. (2012 IRC Section 308.4 - 308.4.3)
4. Bearing – joists – beams – girders. (2012 IRC Section 502.6)
5. Fireblocking. (2012 IRC Section 302.11)
6. Draft stopping. (2012 IRC Section 302.12)
7. Rafter bearing. (2012 IRC Section 802.6)
8. Piers. (2012 IRC Section 606.6)
9. Air seal / Insulation on Tubs and Showers. (2009 Energy Code Section 402.4.1)
10. Windows installation. (AAMA 2400-02 Section 5.0)

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## Electrical

1. Wire secured & supported improperly. (2014 NEC Section 334.30)
2. Boxes missing knockouts. (2014 NEC Section 314.17)
3. Boxes Not flush with finished surface. (2014 NEC Section 314.20-22)
4. Wire not 1 ¼" from wood framing member. (2014 NEC Section 300.4)
5. Proper grounding system that is in place not being used or altered. (2014 NEC Section 250.50)
6. GFCI not installed per code. (2014 NEC Section 210.8)
7. AFCI not installed per code. (2014 NEC Section 210.12)
8. Not following UL listings. (2014 NEC Section 110.3)
9. Equipment Shall be clean & in work like manner. (2014 NEC Section 110.12)
10. Disconnects that are located & arranged so the purpose is not evident shall be marked. (2014 NEC Section 110.22)

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## Mechanical

1. Gas lines improperly sized. (2012 IFGC Section 402)
2. No sediment trap (drip leg) at the gas appliance. (2012 IFGC Section 408)
3. Improper gas piping installation. (2012 IFGC Section 404 or manufacturer's instructions with CSST)
4. Improperly installed or missing gas appliance shut off valves. (2012 IFGC Section 409)
5. Improper duct sizing and installation. (ACCA Manual D or manufacturer's installation instructions when using flex duct)
6. Dryer exhaust length exceeds code requirements. (2012 IMC Section 504)
7. Grease ducts not having cleanouts for maintenance. (2012 IMC Section 506.3.8)
8. Improper terminations of vents. (2012 IMC Sections 804.3.3-8)
9. Improper materials used, not tested by an approved agency. (2012 IMC Section 105)
10. Improper clearance to combustible materials. (2012 IMC Section 308 & Table 308.6)

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## **Plumbing**

1. Improper trenching & bedding. (2012 IPC Section 306)
2. Must make pipe passages rodent-proof (tightly sealed). (2012 IPC Sections 304 & 315)
3. No backflow preventer on water supply line or hose bibb. (2012 IPC Sections 607.3 & 608)
4. Improper testing / no test / incorrect test gauge. (2012 IPC Section 312)
5. Improper traps. (2012 IPC Section 1002 & Table 709.1)
6. Vent too far from trap. (2012 IPC Table 909.1)
7. Improper drainage fittings for changes in direction. (2012 IPC Table 706.3)
8. Hot water distribution line developed length over 50'. (2012 IPC Section 607.2)
9. Improper vent termination of plumbing. (2012 IPC Sections 903 & 904)
10. Use of PVC as a water distribution pipe. (2012 IPC Section 605.4 & Table 605.4)