



## Typical Construction Notes for Generators

### Codes (as applicable)

- 2012 International Residential Code & Northbrook Amendments
- 2011 National Electrical Code & Northbrook Amendments
- 2014 Illinois State Plumbing Code & Northbrook Amendments to 2006 International Plumbing Code
- 2012 International Mechanical Code Amended
- 2012 International Fuel Gas Code
- Northbrook Zoning Code

***In an effort call your attention to some frequently overlooked code/construction requirements here in Northbrook, below are some code comments that may apply to your project and may not have been included on the attached permit drawings.***

Number	Code Section	Comment
<b>G1</b>	<i>Northbrook Municipal Code, Sec. 19-88 - Arabic numerals, at least three (3) inches in height, shall be placed on the building in a conspicuous place and shall be of a color which can be clearly seen against the background from the street.</i>	The permit <b>address</b> is required to be displayed as indicated.
<b>G2</b>	<b>Excavation Caution</b>	To help locate underground utilities before any excavation, contact <b>J.U.L.I.E @ 800 892-0123</b>
<b>Z1</b>	<i>Northbrook Zoning Code-Article III - Single Family Residential Districts: Bulk, Space &amp; Yard Requirements Table - A (1)</i>	The generator location on the site is governed by the zoning front, corner side and side setbacks for the applicable zoning district.
<b>Z2</b>	<i>Northbrook Noise Ordinance 16-53</i>	The noise level of the generator is limited: Between 7am-10pm      68 db maximum Between 10pm-7am      63 db maximum

***For information only, these are items that are inspected after a permit has been issued:***

***If some or all of the gas or electric pipes will be underground in a trench, an inspection is required prior to backfill for underground pipe lengths greater than 5 feet. Please call 847 664-4050 to schedule inspection.***

### Generator

- Distance to property lines
- Clearance to wall
- Pad or mounting
- Transfer test & operation
- Safety sticker
  - At Main disconnect
  - At generator disconnect

### Gas

- If black schedule 40 pipe
  - Above grade 3 ½" minimum
  - Approved pipe protection if used below grade
- If plastic pipe
  - Extend 12" below grade minimum
  - Tracer wire (yellow)
  - Anodeless riser ASTM D 2513
  - Transition coupling above grade
- Pipe supports
- Straight flex to generator
- Union coupling
- Shut-off valve (must be readily accessible)
- Sediment trap

### Electric

- Disconnect
  - Readily accessible
  - Disconnect service rated
  - Built-in disconnect
  - Gas valve
- Liquid-tight to generator
- Ground in liquid tight
- NEMA 3 outdoor transfer switch
- Indoor transfer switch
- Non-separately derived
  - Transfer switch does not break neutral
  - Ground rod per manufacturer's specifications
- Separately derived
  - Transfer switch breaks neutral
  - Ground rod
  - Neutral / ground bond at generator