

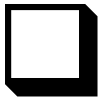
# Village of Lombard

Community Development Department/Building Division  
255 E. Wilson Avenue  
Lombard, IL 60148  
Tel: 630-620-5750 Fax: 630-629-2374

## Permanent Residential Generators

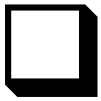
-A Permit is Required Before Any Work Begins-

You must submit **ALL** of the following items in order for your permit to be processed:



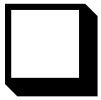
### **Permit Application**

Must be completely filled out.

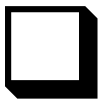


### **3 Copies of Plat of Survey**

Must show proposed location of generator.



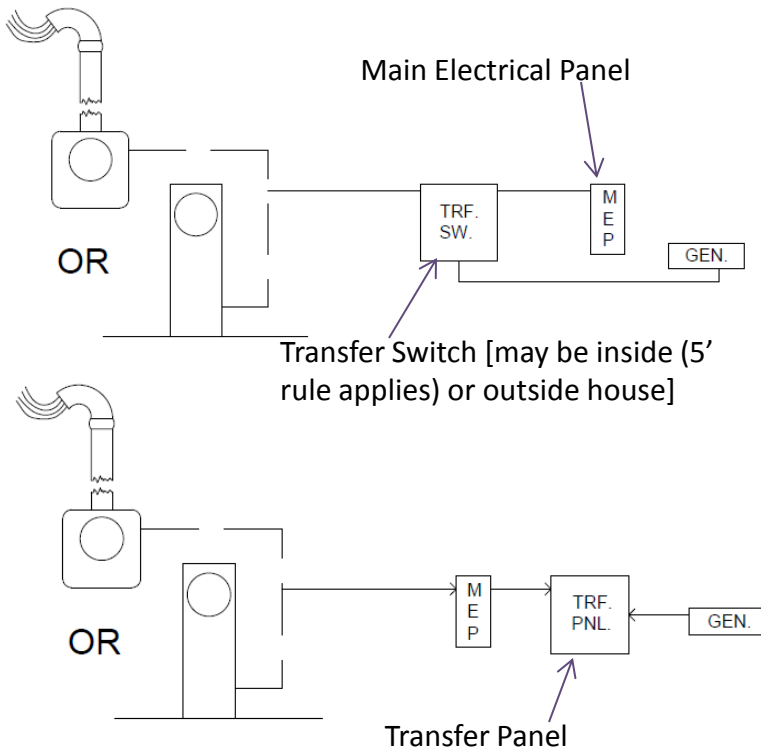
### **3 Copies of Generator and Transfer switch Specifications**



### **3 Copies of Electrical one-line drawing**

Must show locations of equipment, conduit and wire sizes, and grounding/bonding.

# Permit Application Requirements for Permanent Residential Generators



-If power flows from meter to transfer switch FIRST, then to Main Electrical Panel (MEP), an Available Fault current letter from ComEd is REQUIRED.

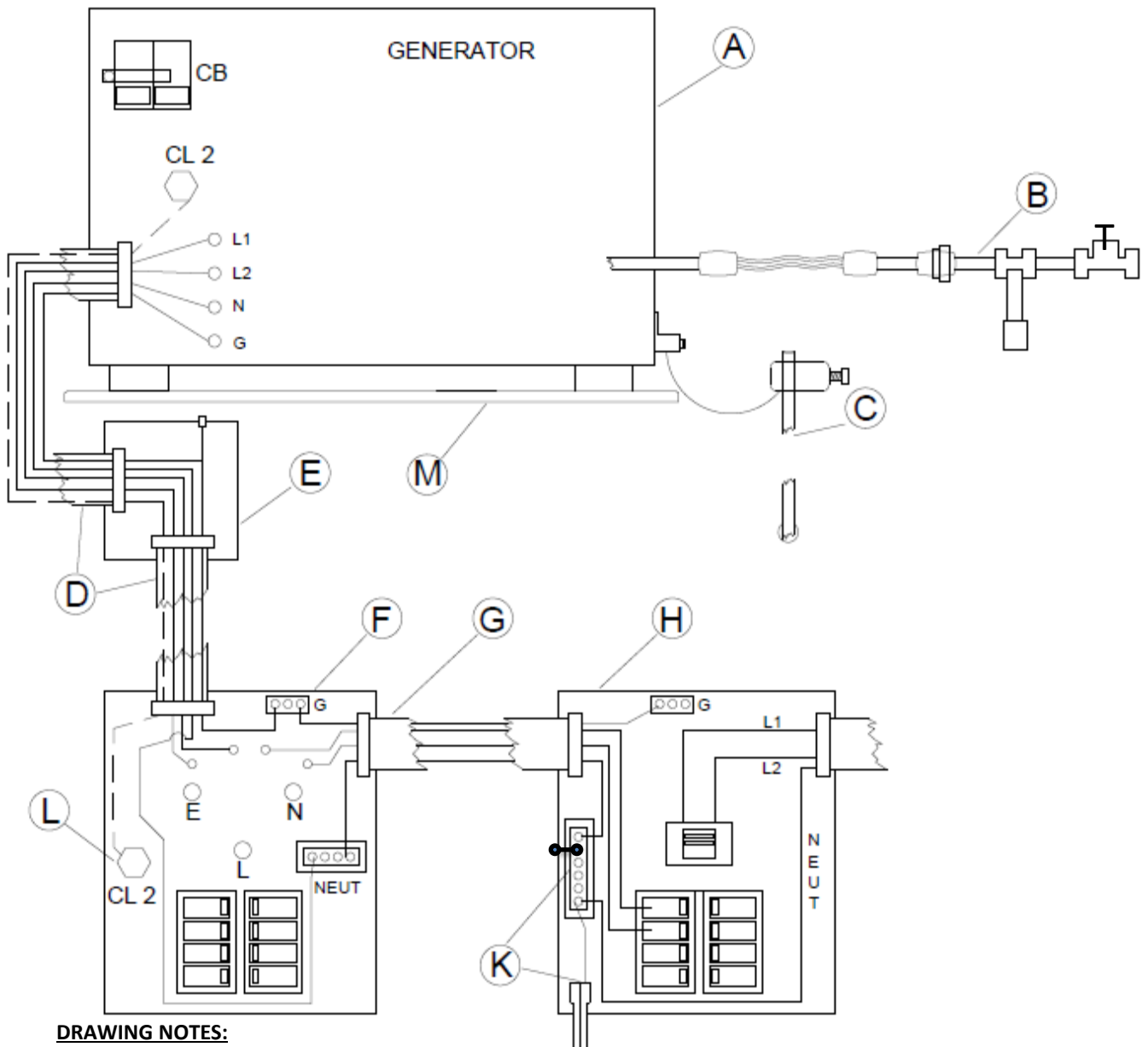
Contact: Regina White  
Email: [regina.white@ComEd.com](mailto:regina.white@ComEd.com)  
Phone: (630)691-4379

Provide: Service Address  
Name  
Phone Number  
Email for return response

-If power flows from Meter to Main Electrical Panel (inside house) FIRST, no Available Fault Current letter is needed.

## NOTES FOR GENERATOR DRAWING ON PAGE 3:

1. Not all wires are shown for ease of understanding.
2. Not all NEC requirements are shown; pertinent issues do apply of course.
3. CL2 (Class 2) wiring, low voltage of 30 volts or less with low current, is only allowed in conduit with power wiring where part of a NRTL (UL for instance) listed assembly provided by the Original Equipment Manufacturer (OEM) and unmodified by the installer.
4. Field installed and installer modified or provided CL2 wiring shall be installed in a separate conduit with no power or CL1 wiring installed therein.
5. Not all installation options are shown (exterior transfer switch, for example).
6. NOTE: All exterior iron/steel pipe and fittings shall be covered with a rust inhibiting paint or coating where exposed above grade and listed plastic tubing with approved stab-ups below grade.
7. Licensed electricians registered with the Village of Lombard with required insurance coverage are required for these installations.
8. All generators and transfer switches shall be NRTL listed (UL for instance) and labeled and installed per listing and manufacturer's installation instructions.



**DRAWING NOTES:**

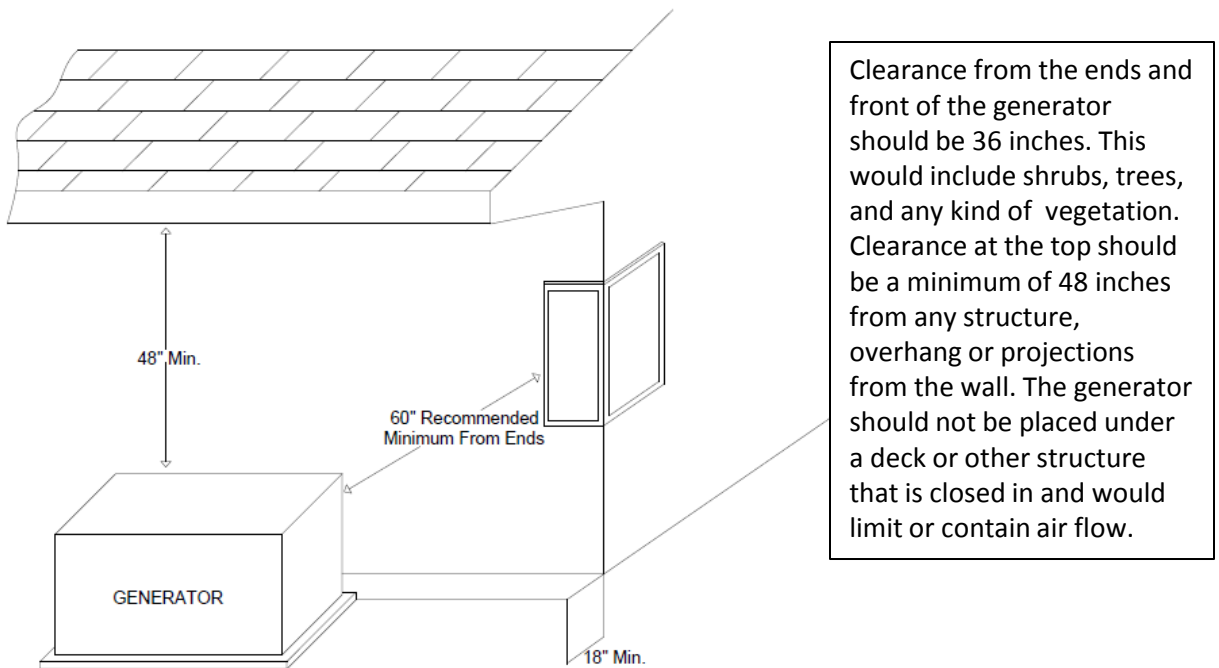
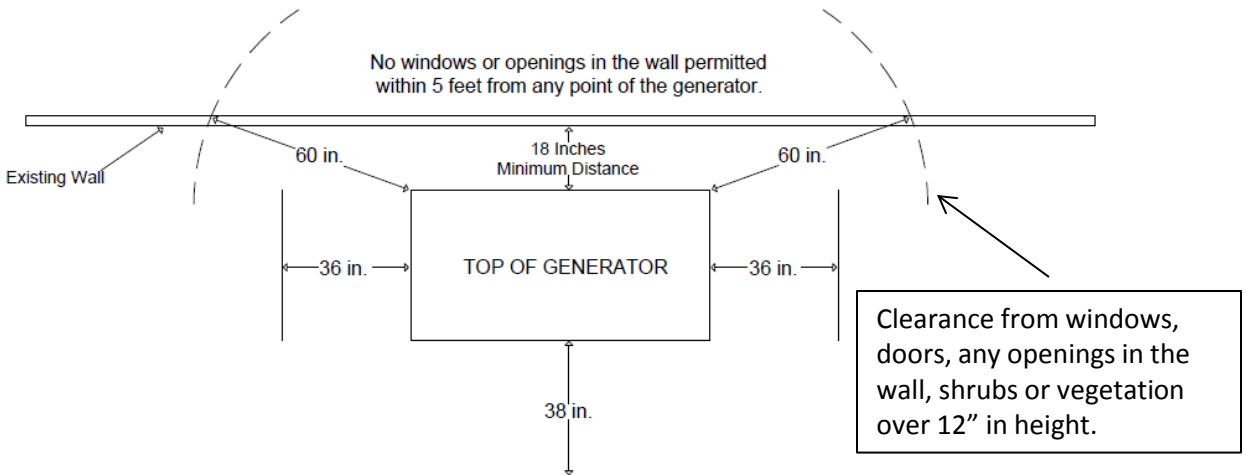
- A) Natural gas engine generator with Main Circuit Breaker (lockable in open [off] position).
- B) Natural gas supply with shut-off valve, sediment trap (drip leg), union (outside of enclosure), and flexible gas line. All above gas lines must be painted with a coating to resist rust (rust resistant paint).
- C) Copper clad around rod (5/8" x 8") bonded to enclosure with Direct Burial listed fittings, optional for most installations.
- D) Conduit (may be OEM flexible umbilical) and wire between generator and transfer switch or transfer panel. See note 3 regarding CL2 (Class 2) wiring.
- E) NRTL (UL) listed exterior junction box when supplied by OEM with umbilical.
- F) Transfer Panel (could be Transfer Switch only) with protected circuits.
- G) Conduit between Transfer Panel and Main Electrical Service Panel.
- H) Main Electrical Service Panel with two pole circuit breaker to Transfer Panel.
- I) Common Grounding Connections, Equipment Grounding Conductor (EGC) to all enclosures; sized per 250.122 NEC.
- J) Service feeder from utility meter.
- K) Service Grounding, Grounding Electrode Conductor (GEC), connections.
- L) CL2 (Class 2) Wiring and Terminations supplied by OEM without modification, (if listed to be in this conduit).
- M) Base: Concrete Pad, Crushed Stone, Patio Blocks or equivalent.

# Clearances for Residential Generator Installations

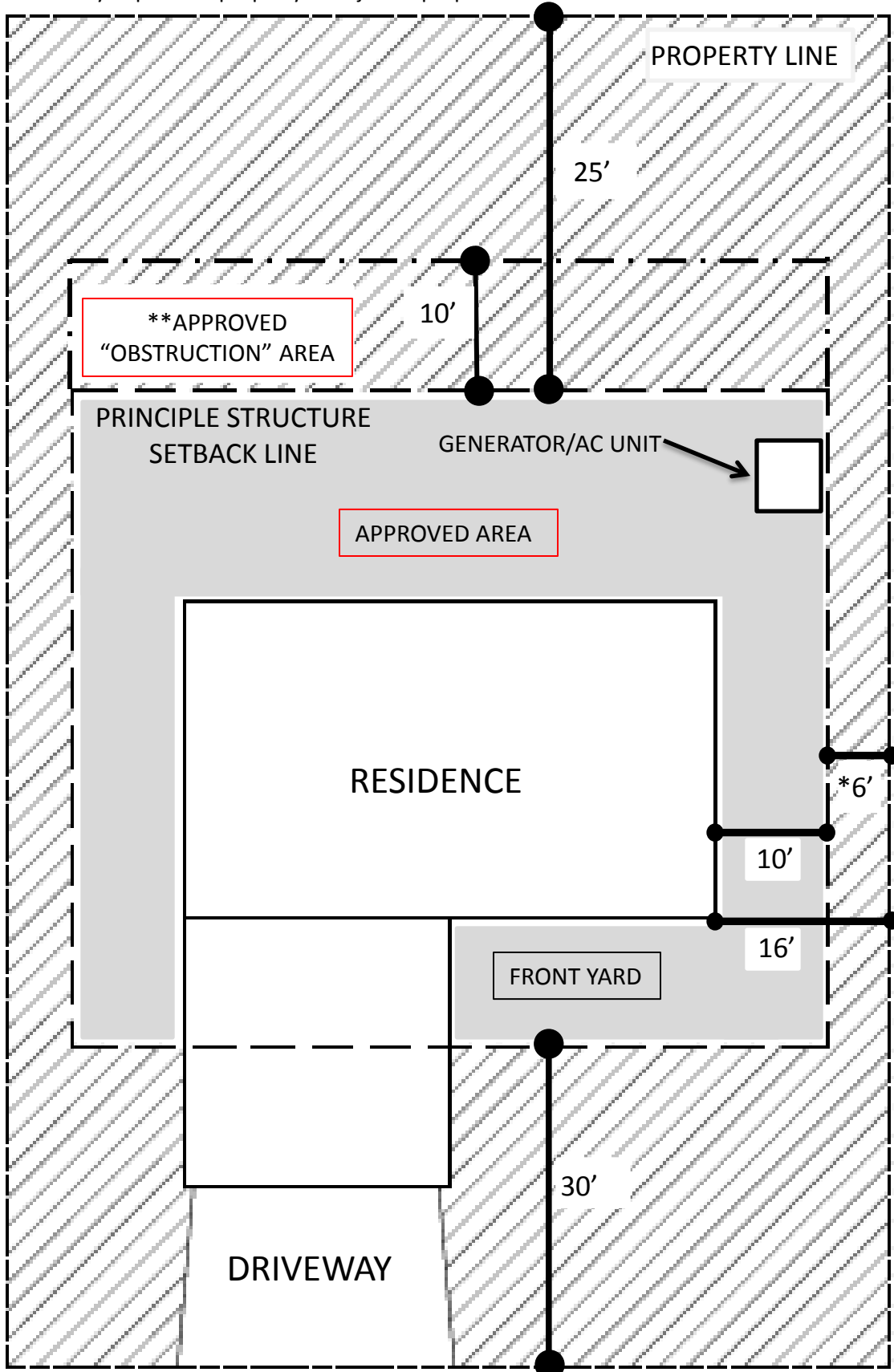
## NFPA 37

**4.1.4 ENGINES LOCATED OUTDOORS.** Engines, and their weather-proof housings if provided, that are installed outdoors shall be located at least 1.5m (5ft.) from openings in walls and at least 1.5m (5ft) from structures having combustible walls. A minimum separation shall not be required where the following conditions exist:

1. The adjacent wall of the structure has a fire resistance rating of at least 1 hour.
2. The weatherproof enclosure is constructed of noncombustible materials, and it has been demonstrated that a fire within the enclosure will not ignite combustible materials outside the enclosure. Minimum separation shall be 18" or greater as specified in manufacturer's installation instructions.



The location of the generator shall not block any drainage so as to adversely impact the property or adjacent properties.



\*REPLACEMENT (ALREADY EXISTING) UNITS CAN BE 4 FT. FROM PROPERTY LINE. NEW UNITS MUST TO BE 6FT. FROM PROPERTY LINE. \*\*THE UNIT SHALL NOT ENCRoACH MORE THAN 10 FEET INTO THE REAR YARD.