

Permit Guide for Back-up Generators

*****AT THE COMPLETION OF THE JOB, A CERTIFICATE OF APPROVAL IS SENT VIA EMAIL ONLY.
INCLUDE AN EMAIL ADDRESS FOR BOTH THE PROPERTY OWNER & CONTRACTOR*****

-Submit a completed Construction Permit Application: The following is required to be submitted with all applications for permanent stand-by generators. Incomplete applications will not be accepted. Please read carefully and contact us with any questions.

UCC FORMS PRINTED FROM THE INTERNET OR COPIES OF UCC FORMS SHALL BE SUBMITTED SIGNED & SEALED AS REQUIRED. UCC FORMS SHALL BE LEGIBLE AND NOT HAVE OFFICE ONLY SECTIONS BLACKED OUT, AND UCC FORMS SHALL BE PRINTED IN THE CORRECT PORTRAIT OR LANDSCAPE FORMAT

- [] [Construction Permit Application Folder](#)
- [] [Electric Subcode Technical Section](#)
- [] [Mechanical Subcode Technical Section](#) (residential only)
- [] [Plumbing Subcode Technical Section](#) (commercial only)
- [] [Fire Protection Subcode Technical Section](#) (commercial only)

-Submit payment of **\$50.00** payable to “**Bernards Township**” for **Zoning Permit**.
(No Separate Form Required)

- If your project is subject to a Homeowners Association review, a copy of the HOA approval must be included with your Construction Permit Application.

-Submit **3 copies** of property survey showing location of generator.

-Submit **2 copies** of each: manufactures specs (*Generator & Transfer Switch*), **electrical load calculation of generator (*see attached*) and gas riser diagram (*see attached*)

***CSST INSTALLATIONS:**

The following is required for permit applications whether the installation involves new install or extension of existing that includes CSST piping:

1. A copy of the installer’s certification from the manufacturer for the installation of CSST.
2. An electrical permit is required for the bonding of the CSST.

For Back-up Generators: Indicate **KW** of Generator, **AMP** of Transfer Switch and any additional components as installed.

***Attached electrical load calculation sheets are an example. If you wish to use the sheets please go to <http://jaei-skyland.org> The Load Study Calculation sheets provided on the website are in Microsoft Excel format and have the formulas built in; you just need to choose the appropriate calculation form, input your numbers, print and attach 2 copies with your permit application.*

*****AT THE COMPLETION OF THE JOB A CERTIFICATE OF APPROVAL IS MAILED TO THE PROPERTY OWNER ONLY*****

Questions??? Please contact:

Electrical Subcode Official, Roger Vanderhoof (908) 204-3025
Plumbing Subcode Official, Michael Costa (908) 204-3154

Revised July 2023

GAS PIPING

The installation of all gas piping shall comply with each IFGC and /or IFGS standard as set forth in accordance to the **International Fuel Gas Code 2021**.

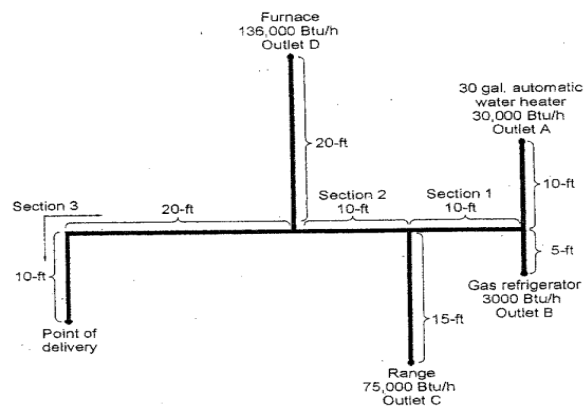
No Permit Application will be accepted without a riser diagram of the gas piping system. (The length of pipe from the point of delivery to the most remote outlet and all branch outlets.) Also include the total **BTU** rating of each appliance and indicate on the drawing **all pipe type & sizes**.

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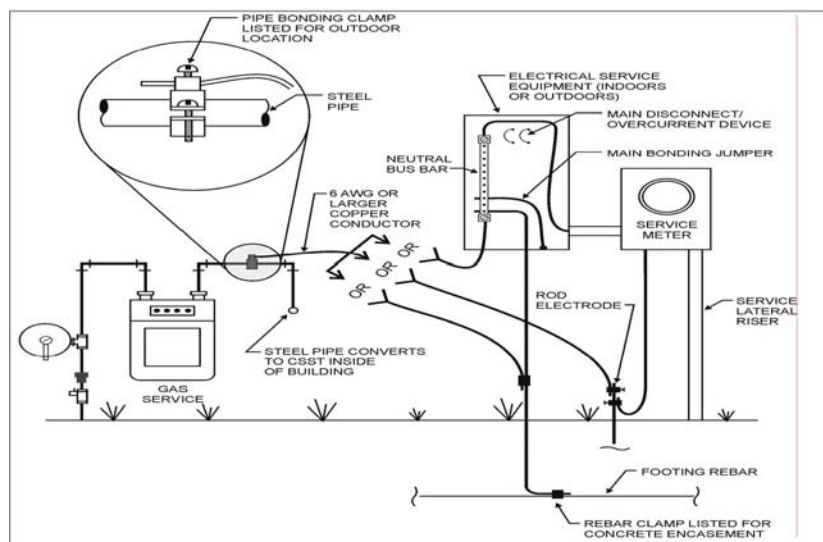
Example:



Bonding of CSST can be done to any of the following locations:

1. Cold Water Meter
2. Ground Rod
3. Footing Bond
4. Electric Panel*

*Not Recommended



OPTIONAL Load Calculations for Dwelling Units (NEC 220 Part IV)

(v1.5)

Work Site:				
Block:		Lot:		Date:
Owner in Fee:				

GENERAL LOADS	QTY	RATING (watts)	Managed	TOTAL LOAD (watts)
Lighting and General Use Recepticles		3va*ft ²		0
Small Appliance Branch Circuits	2	1500		3000
Laundry	1	1500		1500
Well Pump				
Sump Pump				
Refrigerator				
Freezer				
Microwave				
Dishwasher				
Disposal				
Range				
Oven				
Water Heater				
Dryer				
Garage Door Opener				
Whirlpool Tub				
Pool Equipment				
Air Handler / Furnace				
Total General and Appliance Loads				4500
Air Conditioner #1				
Air Conditioner #2				
Fixed Electric Space Heating				

Demand Factor (NEC 220.82)	First 10,000 at 100%	4500.00
	Remainder at 40%	0.00
	Air Conditioning/Heating (total)	0.00
	Total Watts	4500.00

For coments or errors contact: GregChontow@IAEI-Skyland.org

STANDARD Load Calculations for Dwelling Units (NEC 220 Part III)

(v1.1)

Work Site:				
Block:		Lot:		Date:
Owner in Fee:				

GENERAL LOADS	QTY	RATING (watts)	Managed	TOTAL LOAD (watts)
Lighting and General Use Receptacles		3va*ft ²		0
Small Appliance Branch Circuits	2	1500		3000
Laundry	1	1500		1500
General Loads Subtotal (Derated - Article 220.42):				3525
Well Pump				
Sump Pump				
Refrigerator				
Freezer				
Microwave				
Dishwasher				
Disposal				
Water Heater				
Garage Door Opener				
Whirlpool Tub				
Pool Equipment				
Air Handler / Furnace				
Total Small Appliance loads (Derated - Article 220.53)				
Dryer (Article 220.54)				
Oven (Article 220.55)				
Range (Article 220.55)				
Air Conditioner #1 (Article 220.50)				
Air Conditioner #2 (Article 220.50)				
Fixed Electric Space Heating				

General Loads (derated)	3525
Small Appliance Loads (derated)	0
Other Loads	0
Total Watts	3525

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