

Optional Stand-by (Generator) Installation Plan Submission Checklist

- Indicate type of optional stand-by system (generator)

_____ Portable _____ Stationary (Permanent)
- Provide size of generator (output)

_____ kW
- Complete load calculation sheet or provide other method of determining size
- Fuel source (check one)

_____ Natural gas (NG) _____ Propane (LP) _____ Gasoline
- Indicate type of transfer switch (Automatic transfer switches may require load management)

_____ Automatic _____ Manual
- Provide the manufacturer's specification sheets and/or manuals for both the generator and the transfer switch.
- Provide a wiring diagram of all connected components. Include:
 - Conductor sizes and types of insulation
 - Raceway type and size
 - Burial depth for underground conduit (if applicable)
 - All grounding conductors (size and type)
 - Subpanel (if applicable)
 - Overcurrent protective devices and ratings

Transfer equipment must be designed and installed to prevent the inadvertent interconnection of normal and alternate power supplies in any operation of the transfer equipment.

IMPORTANT: There are specific requirements such as interlock devices and cord connections for portable generators connected to electrical supply equipment (i.e. back-feeding).

Please contact the Township office to obtain contact information for further information if necessary.

A COPY OF THE APPROVED DRAWINGS AND MANUFACTURERS'
INSTALLATION INSTRUCTIONS MUST BE ON SITE FOR INSPECTIONS

WORKSHEET FOR BACK UP GENERATOR LOAD CALCULATIONS

(ALL LOADS TO BE PICKED UP BY AUTOMATIC MEANS MUST BE INCLUDED)

	Quantity		Rating		Total watts
General lighting/Receptacles	ft ²	X	3va/ft ²	=	
Pumps		X		=	
Refrigerator (s)		X		=	
Microwave (built- in)		X		=	
Dishwasher		X		=	
Water heater		X		=	
Clothes washer		X		=	
Clothes dryer		X		=	
Other (list):					
		X		=	
		X		=	
		X		=	
		X		=	

Subtotal ----->

First 1000 watts @ 100% -----> (A)

Remaining watts @ 40% -----> (B)

Air conditioning _____ VA Heat _____ VA

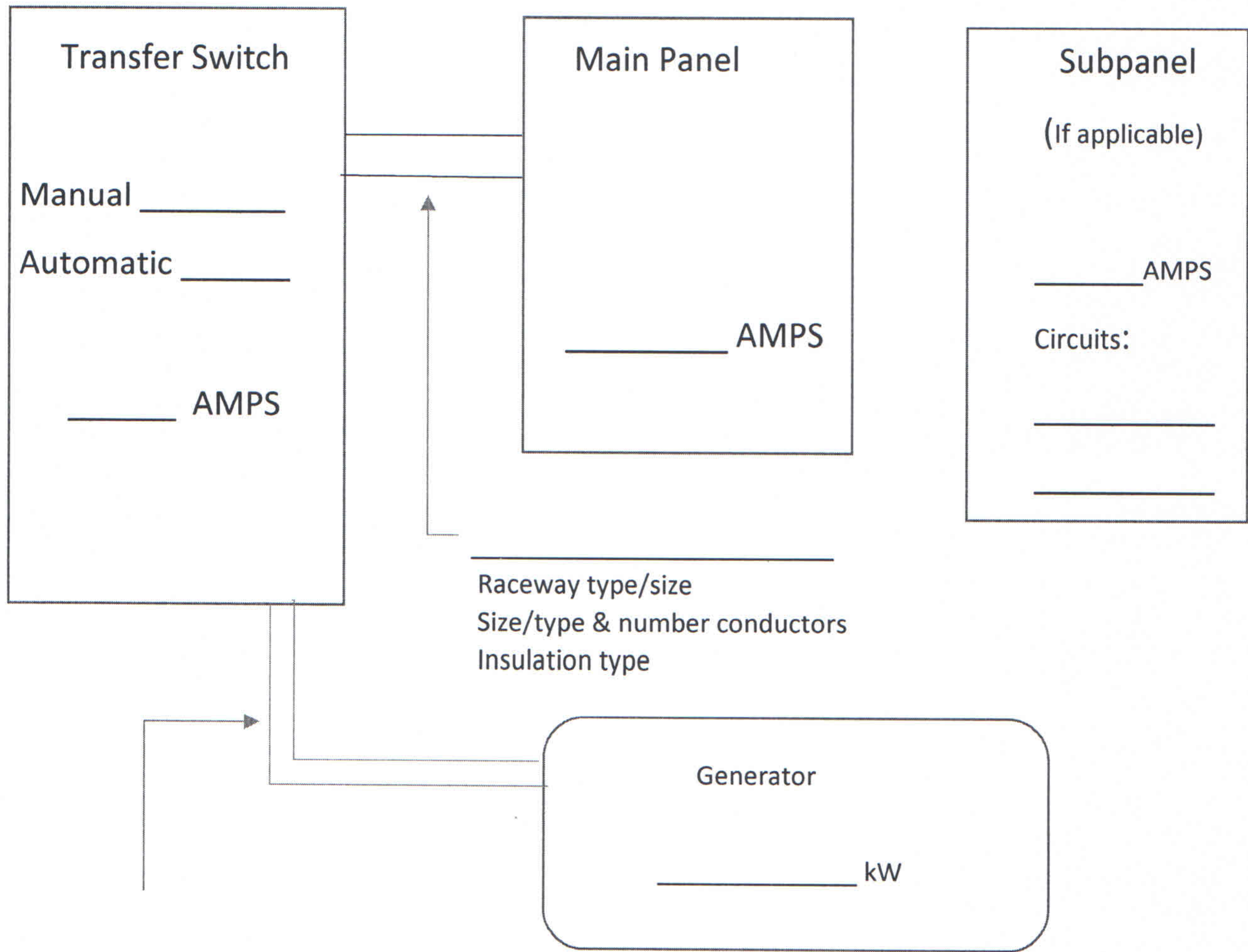
Larger of Air Conditioning OR Heat -----> (C)

TOTAL (A+B+C) /1000 = kW (minimum size)

Total watts/VA /240 = Amps

GENERATOR SINGLE LINE

Service size: _____ amps



_____ Raceway type/size
 Size/type & number of conductors
 Insulation type

- Connect all applicable components
- List size/type of cable, or conductors and wiring method (include insulation)
- Indicate grounding and bonding