

## Framing for Fan System

1. Frame opening for fan should be square and 1/2" larger than fan size. (Example: For a 10" fan, the rough opening should be 10½" x 10½".)
2. Frame opening for intake shutters should be square and 1/2" larger than the shutter size. (Example: For 10" shutter, the rough opening should be 10½" x 10½".) Optional shutter locations shown with asterisk(\*).
3. If trim and finish work is required around fan or shutter, then the frame opening is 3½" larger than fan or shutter size.

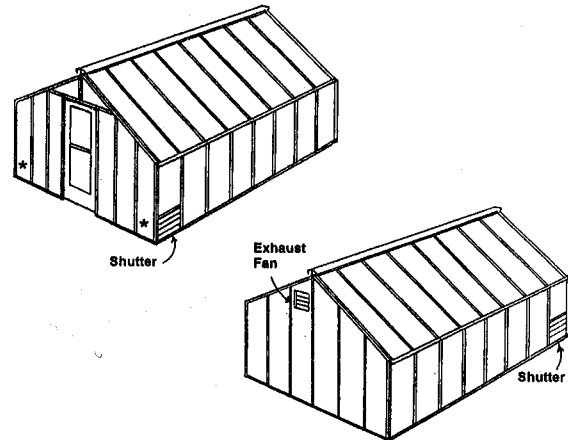
## Fan System Options

**Fan Speed Control:** Provides variation of fan speed to match the season. High speed in summer, slower in spring and fall, and very slow speed in winter to avoid sudden chilling of the greenhouse.

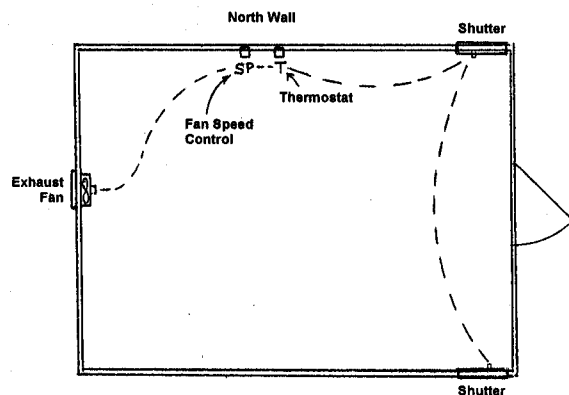
**Shutter Motor:** Provides opening and closing of the shutter(s) and relieves starting load on fan motor. Use only with heavy-duty, aluminum frame shutters.

**Insect Barrier:** Install on the inside or outside of intake shutter(s) to prevent insects from entering. (See #1429 Insect Netting under Building Materials in your catalog.)

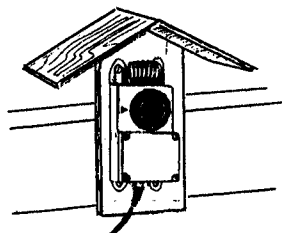
## Fan & Shutter Locations



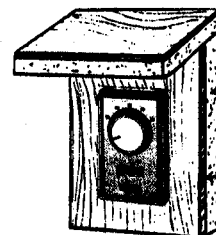
FOR YOUR PROTECTION, ALL ELECTRICAL CONNECTIONS MUST BE MADE BY A QUALIFIED ELECTRICAL CONTRACTOR.



## Thermostat Shields



Sun Shield



Radiant Shield

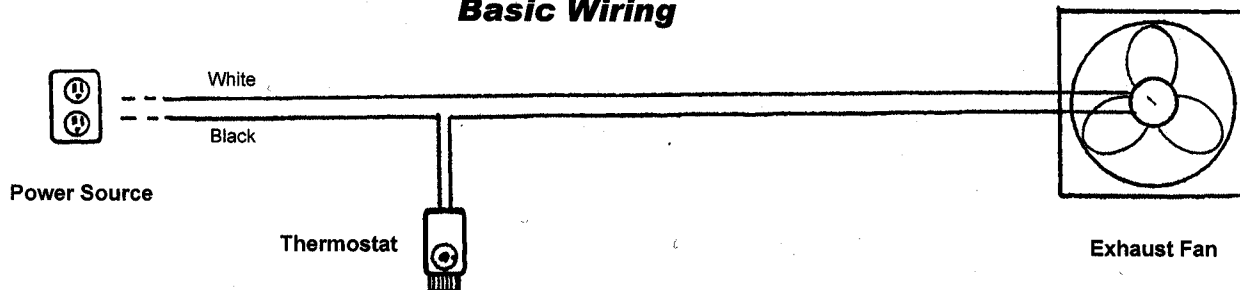
1/2" Foam Insulation Board  
3/8" Plywood

## Charley's GREENHOUSE & GARDEN

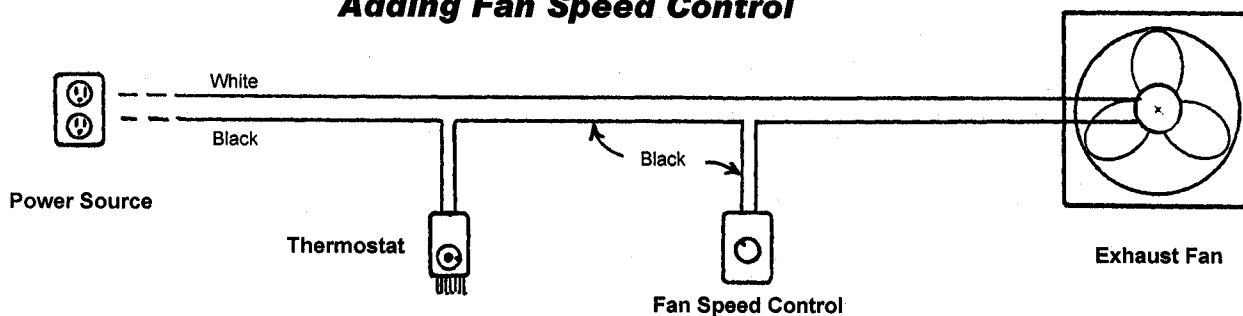
17979 State Route 536 -- Mount Vernon, WA 98273-3269  
1-800-322-4707 -- FAX 1-800-233-3078 -- [www.charleysgreenhouse.com](http://www.charleysgreenhouse.com)

# WIRING DIAGRAMS:

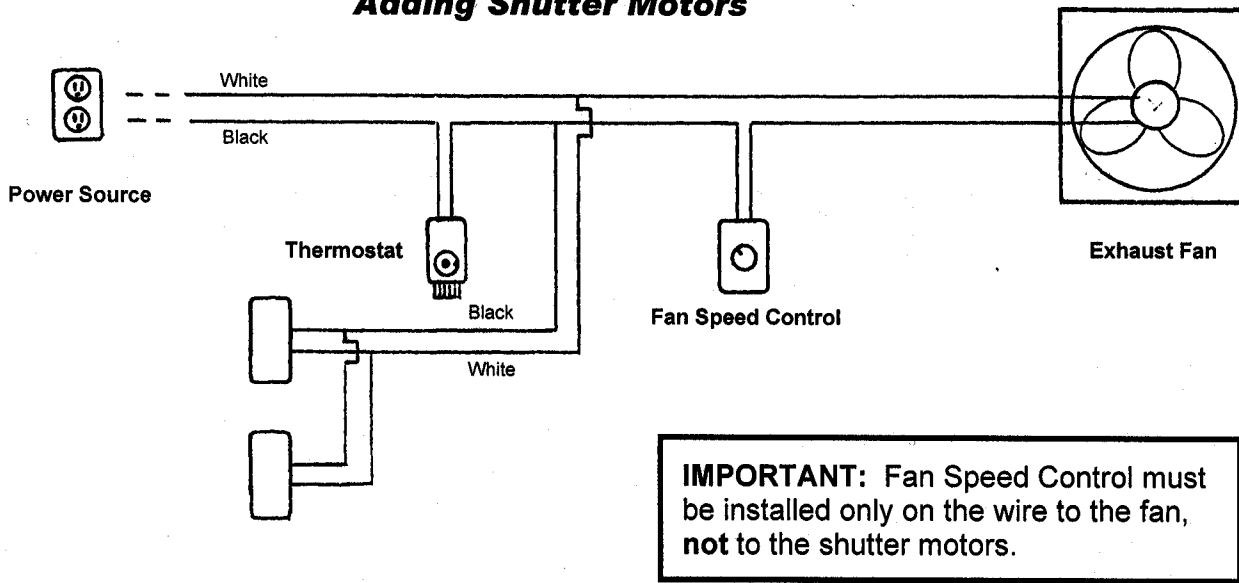
## Basic Wiring



## Adding Fan Speed Control



## Adding Shutter Motors



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