

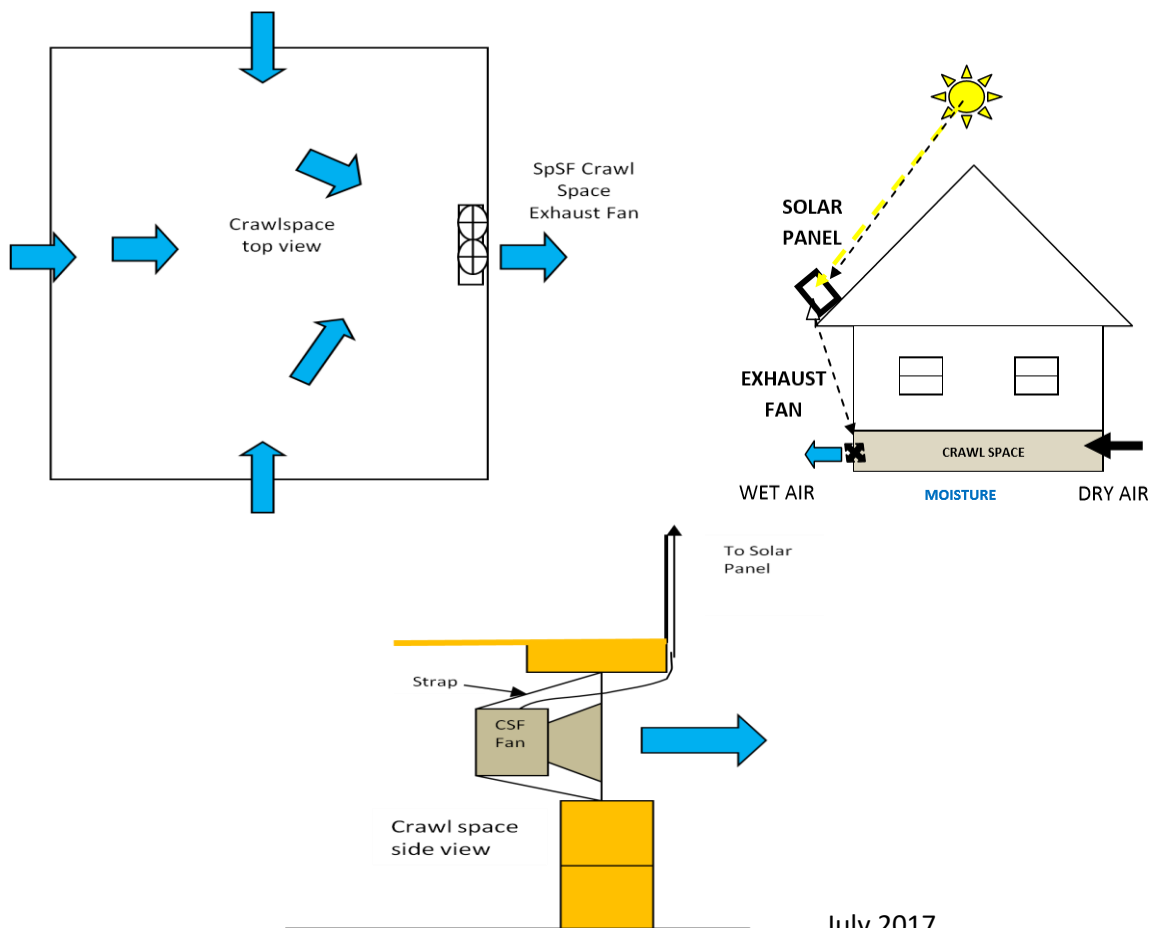


# SOLAR POWERED SOFFIT FANS LLC

## CSF 210 Concept

CSF provides forced crawl space ventilation and moisture reduction during sunlight hours, year around. Reducing crawl-space moisture increases floor insulation values and reduces the chances of mold, fungus, and rot development. According to NOAA, average outside relative humidity is lower during the daylight hours when the CSF automatically runs, powered only by sunlight. Air exhausted from the crawl space during sunlight hours is replaced by drier outside air that enters the crawl-space through the other crawl space vents. During night hours and times of precipitation or dense cloud cover when outside air relative humidity typically rises, the CSF automatically stops.

The compact (16" x 7"), adjustable mount, 10 watt solar panel mounts to the roof edge structure, a south facing wall, a post, or railing. A mini-fan cluster is mounted in a 16" x 8" foundation vent 6 screws, discharging to the outside through the vent. The fan cluster can also be mounted in a cut out in the crawlspace access panel. The connecting cable is 25 feet long (custom up to 100 feet available) with quick disconnects. Gaps between the vent frame and fan cluster should be closed to prevent recirculation, and vent screens should always be used. Bare ground throughout the crawl space should be covered with a vapor barrier, such as 4 mil sheet plastic.



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