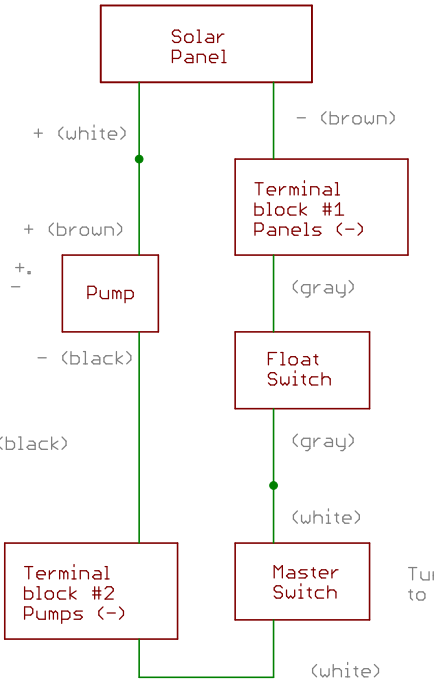
Three solar panels feed three pumps.
The solar panels are adjusted to be
tangential to the incoming sunlight for
maximum fountain height.
Height varies from around 1ft to about 4ft.

White wire on solar panel is +~18V
Thick brown wire on solar panel is -~18V.
One panel (with short wires) is sometimes wired for 9V.

One solar panel has a white with black tape
that is negative.
It requires an extension wire to connect
from the exit from the cement to bus terminal



The negative solar wires (thick brown)
are bussed together on terminal #1

Brown wire on pump is +.
Black wire on pump is -
Pump is 500GPH...

Turn large main black pipe
valve to off (orthagonal or
perpendicular) when replacing pump.

The negative pump wires (black)
are bussed on block #2

Turn master switch to off
to service system.

Pump model:
Rule 45DR Marine Rule 500
Replacement Motor for
Tournament Series Livewell Pumps
~$32 on Amazon

A new pump has coil resistance of ~3.5Ohm
A used pump has coil resistance of ~2.5Ohm

Contact Info: nathan.seidle@gmail.com
See: github/nseidle/Solar_Fountain

TITLE: Solar Fountain - Master Plan	
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