Refuge Retreat, Residence
Prescott, AZ

STRATEGY
Remote seasonal mountaintop home with a failing well. We set up the rainwater collection system as the primary water source with well as back up. Re-guttering and snow stops were required because of the alpine conditions and tree density of the site. The local fire district was consulted with prior to the design and install. Owner also has a generator for power back-up.

SPECIFICATIONS
AVG. ANNUAL PRECIPITATION: 16”
ROOF AREA: 1250 SF
CAPTURE SURFACE: Factory finished metal
PRE-FILTRATION: 2 ‘Rain Harvesting’ PVC rainhead filters
TANK: 13,000 gal. lined Core-gal tank
PUMP: existing booster in pump house
POST FILTRATION: 0.5 Micron filter, Carbon block, UV, 4” fire connection, 4000 gal. devoted for fire protection

Designer: TBKA, Barnabas Kane, Adrian Adams
Installer: Skywater