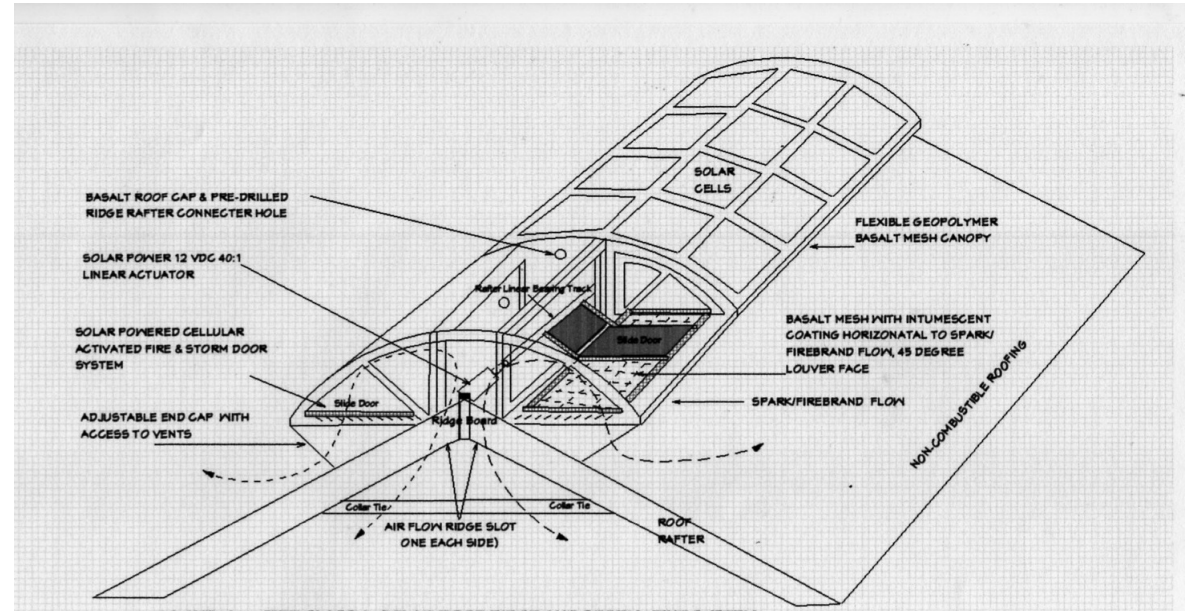


**PROBLEM:** 90% of Wildfire Damage is due to Sparks/Flames Entering Passive Vent Systems\*



**SOLUTION:** Remotely Activated Solar Power Fire Vent System, Independent of Electrical-Grid Systems



## 100% Spark-Proof Fire Vent Systems

- Based on Realtor Survey Data: Avg. Cost 25K SF Home @ \$375,000/Residence
- L&M Cost of Passive Fire Vent System: 30 units x \$125 = \$3,750/Residence
- Maintenance After Fire, No structural damage (Intumescent Coating): \$7,500/Event
- Maint/yr. = \$250
- Life Cycle: 10 years
- First Year OPEX, Fire Event = \$5,750
- LC Analysis: 50 Years OPEX, Passive Vents Fail = **\$406,250**

- Based on Avg. Cost Ameristar Solar Fire Vent System @ \$125/LF x 4' = \$500/Unit
- L&M Cost of ASFV System @ \$125/LF x 4' x 5 units x \$500 = \$2,500/Residence
- Maintenance After Fire, No Structural damage (ASFVS): \$0.00/Event
- Maint/yr. = \$25
- Life Cycle: +50 years
- First Year OPEX, Fire Event = \$2,525
- LC Analysis: 50 Years OPEX, 100% Spark/Flame Proof Vents = **\$3,750**

**Ameristar Solar Fire Vent Systems, Simple Payback, IC/AS = 9 Months (One Fire Event)**

\* IBHS Wildfire Sparks/Firebrands Study, Insurance Institute for Business and Home Safety