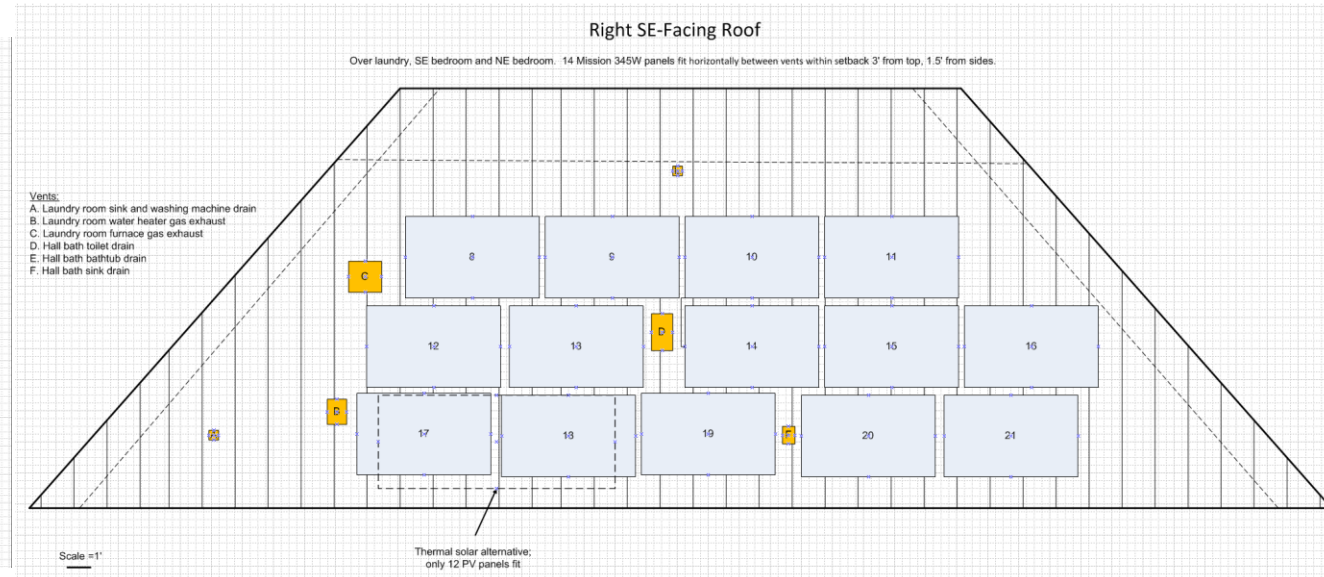
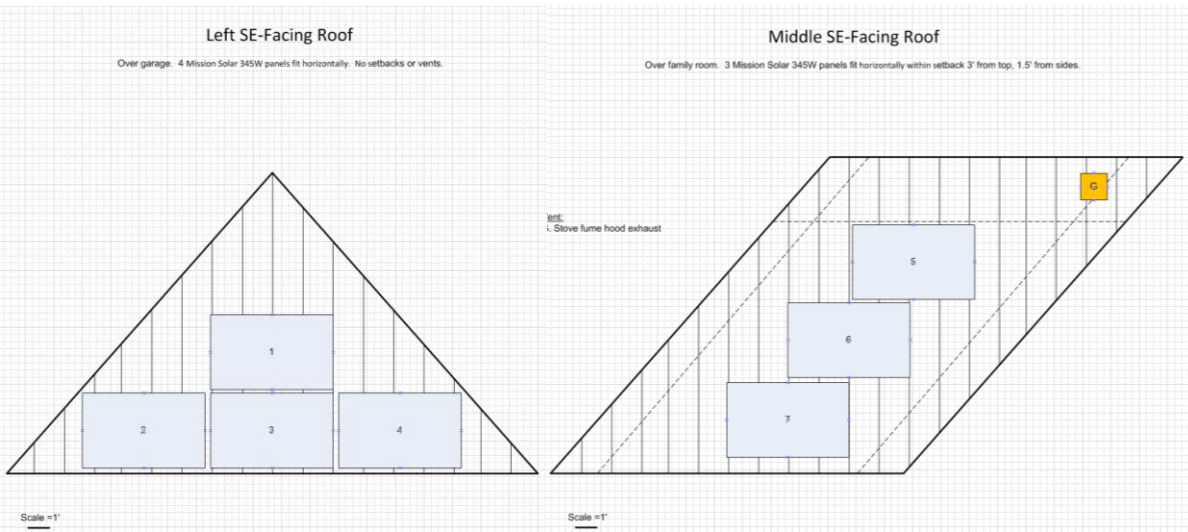


PV Panel Fit Analysis

Scenario C, 345 Watt Mission panels all horizontal: 21 without thermal solar, 19 with thermal solar

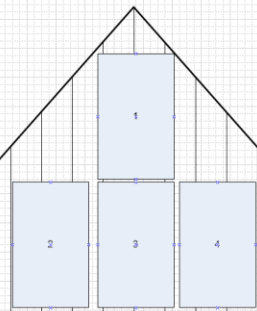


PV Panel Fit Analysis

Scenario D, 345 Watt Mission panels all vertical: 24 without thermal solar, 21 with thermal solar

Left SE-Facing Roof

Over garage. 4 Mission Solar 345W panels fit vertically. No setbacks or vents.

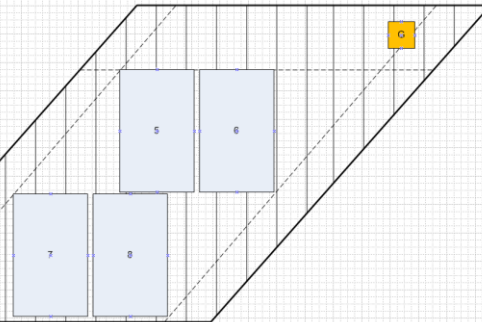


Scale = 1"

Middle SE-Facing Roof

Over family room. 4 Mission Solar 345W panels fit vertically within setback 3' from top, 1.5' from sides.

Vent:
G. Stove fume hood exhaust

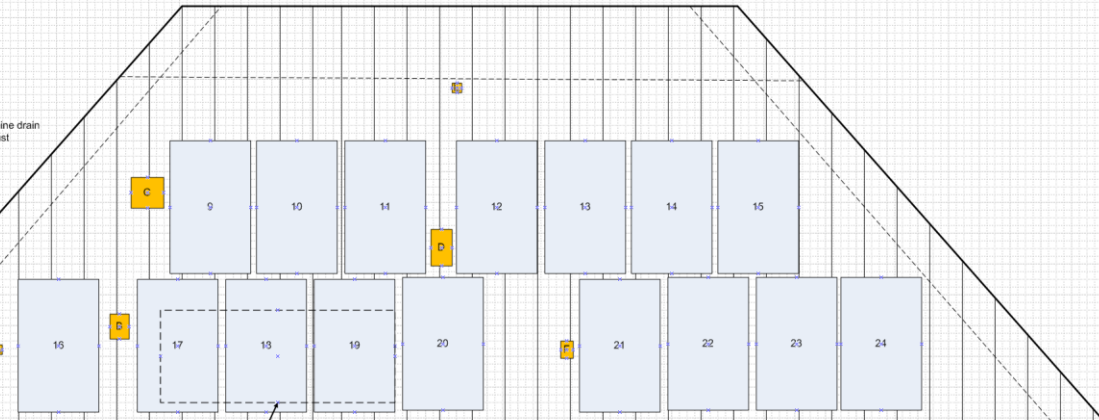


Scale = 1"

Right SE-Facing Roof

Over laundry, SE bedroom and NE bedroom. 16 Mission Solar 345W panels fit horizontally between vents within setback 3' from top, 1.5' from sides.

Vents:
A. Laundry room sink and washing machine drain
B. Laundry room water heater gas exhaust
C. Laundry room furnace gas exhaust
D. Hall bath toilet drain
E. Hall bath bathtub drain
F. Hall bath sink drain



Scale = 1"

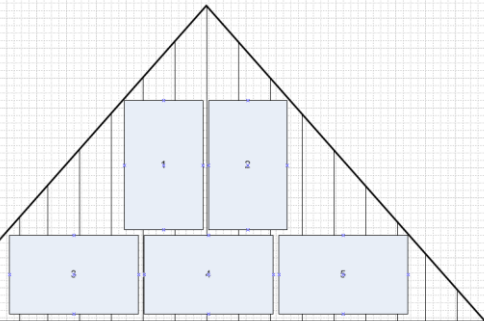
Thermal solar alternative:
only 13 PV panels fit

PV Panel Fit Analysis

Scenario E, 345 Watt Mission panels mixed orientation: 26 without thermal solar, 24 with thermal solar

Left SE-Facing Roof

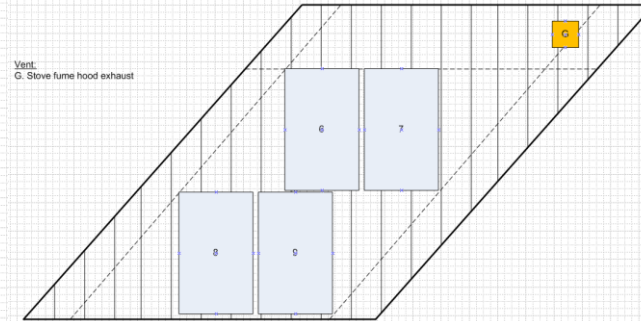
Over garage. 5 Mission Solar 345W panels fit max. No setbacks or vents.



Scale = 1"

Middle SE-Facing Roof

Over family room. 4 Mission Solar 345W panels fit max within setback 3' from top, 1.5' from sides.

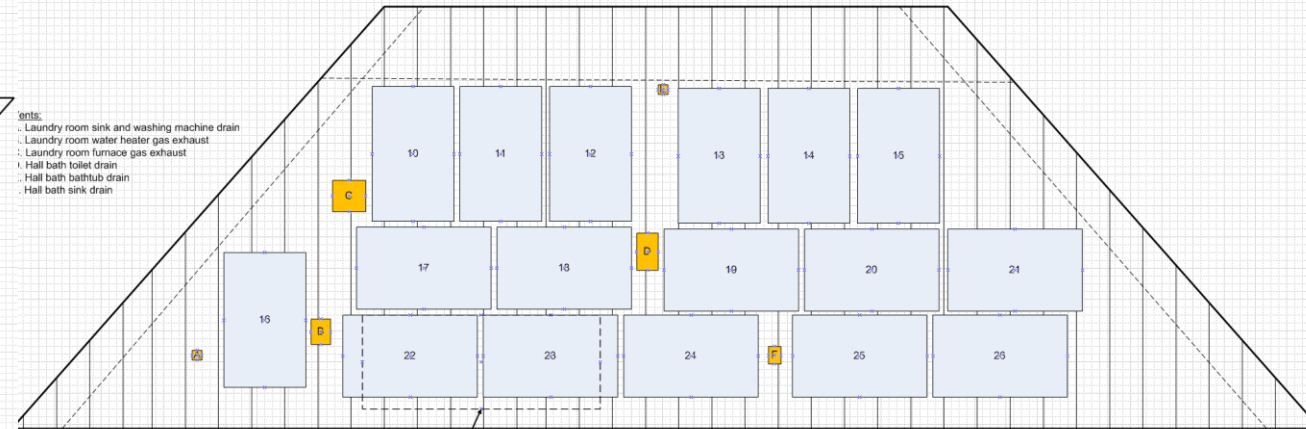


Vent.
C. Stove fume hood exhaust

Scale = 1"

Right SE-Facing Roof

Over laundry, SE bedroom and NE bedroom. 17 Mission 345W panels fit max between vents within setback 3' from top, 1.5' from sides.



Vents:
- Laundry room sink and washing machine drain
- Laundry room water heater gas exhaust
- Laundry room furnace gas exhaust
- Hall bath toilet drain
- Hall bath bathtub drain
- Hall bath sink drain

Scale = 1"

Thermal solar alternative:
only 15 PV panels fit