

# Emitter-Only Patio Fire Pit Concept

Inverted capture cone (15 in intake) positioned 12 in above fire source: 3 in outlet located 24 in above intake.

## Design intent

- 1) Capture the hot plume core and transfer energy into a high-emissivity shell.
- 2) Radiate IR outward to occupants (emitter-first; no ceiling reflector).
- 3) 3 in outlet at ~51 in above floor provides controlled through-flow while keeping the hottest surfaces near torso level.
- 4) Standing users still receive IR from the shell surface; head warmth is less critical.



