

VERTICAL VENT – FLAT ROOF

KEY CONSIDERATIONS:

- The roof is within the HOT ZONE. Full PPE and SCBA required.
- WE WON'T OPERATE DIRECTLY OVER FIRE ON LIGHTWEIGHT CONSTRUCTION – MOVE OVER SEVERAL RAFTER BAYS AND GIVE UP INVOLVED OR EXPOSED REAL ESTATE.
- **4'x8' hole size for residential is optimal/ 8'X8' is optimal for commercial.**
- COORDINATION IS KEY. Fire attack and vent personnel **must** be on the same page and communicating throughout the operation.
- Remember to get the relief needed, expand or add more holes if necessary.
- If cutting defensive strip get ahead of the advancing fire enough.
 - Consider a holding hole during defensive strip to buy your crew some time. You will need it.
- IC – ensure a 2nd ladder is placed for the vent company by someone else.
- Offensively venting directly over a garage fire is extremely risky. It is preferred to only operate over the living areas of the home.
- Ensure that the building is **VENTED not just VENTING**, expand or add another hole if necessary.

PROTOCOL:

Positional Considerations (May adjust as necessary)

REQUIRED EQUIPMENT		
OFFICER	ENGINEER	FIREFIGHTER(S)
<ul style="list-style-type: none"> • Ventilation size-up. • Thermal Imager • Rubbish Hook 	<ul style="list-style-type: none"> • Throw 1st ladder • 2nd hook • 2nd saw (if staffed W/3) 	<ul style="list-style-type: none"> • 1st saw • 2nd FF has the 2nd saw if you are staffed with 4.
ON THE ROOF		
<ul style="list-style-type: none"> • Evaluate inspection hole • Physically communicate rafter direction to crew • Sound the crew OUT & BACK • <u>ID where you want the vent hole</u> • Clear Ceiling • Evaluate and Call for expansion if necessary. • Lead crew off the roof • Advise Command when you are on/off the roof 	<ul style="list-style-type: none"> • Clear smoke holes • Coordinate with saw 1 to cut hole • Get hook and assist with ceiling clearing 	<ul style="list-style-type: none"> • Cut inspection hole • Cut smoke holes • Cut vent hole(s) • Get hook and assist in clearing if needed