Basic Island Range Hood Installation Guide:

This guide covers the installation process for CopperHoods island-mounted range hood systems that attach directly to ceiling joists or trusses using screws through the hood's top surface.

Tools and Materials Needed:

- Hood's CAD top view diagram (provided with your hood)
- Measuring tape
- Level
- Stud finder or joist detector
- Drill with appropriate bits
- Screws (size determined by hood specifications and ceiling structure)
- Washers
- Socket wrench set
- Additional 2x lumber for reinforcement (if needed)
- Flexible ducting
- Duct clamps
- Self-tapping sheet metal screws
- Wire nuts and electrical supplies
- Scaffolding or sturdy platform
- Safety glasses and gloves

Step 1: Determine Center Point of Burners

Measure your cooktop or range to find the exact center point of the burner layout. This center point will be the center point of your hood installation. Mark this location clearly on your island and measure its position relative to the island's edges for reference.

Step 2: Mark Hood Center Point on Ceiling

Transfer the burner center point vertically to the ceiling directly above. This is where your hood will be centered and where your ductwork should emerge from the ceiling. Use a plumb line or level to ensure accurate vertical alignment.

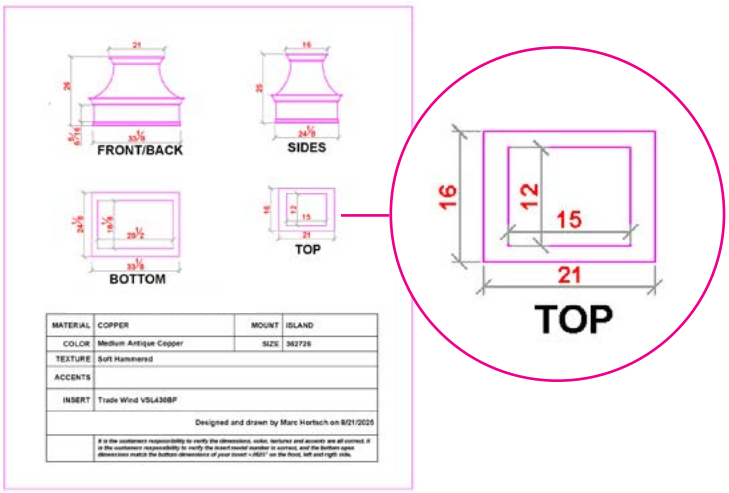
Step 3: Position Ductwork

Install your ductwork so it emerges from the ceiling dead center at the marked location. This ensures optimal airflow and proper connection to the hood's exhaust outlet.

Step 4: Create Ceiling Template

Using the CAD top view diagram provided with your hood, create a template or directly mark the ceiling to outline:

- Where the hood will attach to the ceiling
- All mounting screw locations
- The perimeter of the hood's top surface
- The ductwork connection point



Step 5: Locate and Mark the Ceiling Supports

1. Use a stud finder to locate ceiling joists or trusses
2. Determine where the hood's mounting points intersect with your ceiling support structure
3. Add additional support if needed: If mounting points don't align with existing structure or if additional support is required, refer to our Island Mount with Support Rods installation guide (Here) for detailed instructions on installing threaded rod support systems
4. Ensure all mounting locations have adequate structural support

Step 6: Mount the Hood

Safety Note: This requires at least two people and proper equipment for safely positioning the hood.

1. Set up scaffolding or use a mechanical lift to safely support the hood at the correct height
2. With helpers, hold the hood in place at the marked location
3. Verify alignment with your template markings
4. Pre-drill holes (suggested minimum of four mounting screw holes). Use washers under screw heads to distribute load and protect the hood surface
5. Tighten all screws securely, ensuring the hood remains level

Step 7: Connect the Insert

1. Connect the flexible ductwork from the ceiling to the insert unit
2. Secure the duct connection with appropriate clamps
3. Connect the electrical wiring to the insert according to the manufacturer's wiring diagram
4. Test electrical connections before final mounting

Step 8: Mount the Insert

1. Position the insert unit inside the hood
2. Ensure the insert is level and properly aligned
3. Use self-tapping sheet metal screws to attach the insert to the hood
4. Verify that the insert sits flush and secure within the hood cavity
5. Install grease filters and any other removable components
6. Test all functions including fan speeds and lighting

Final Inspection

- Verify all mounting hardware is tight and secure
- Test all electrical functions
- Check ductwork connections for proper airflow
- Ensure the hood is level and properly positioned over the cooking surface
- Clean any installation marks from the hood surface

Safety Reminders

- Always follow local building codes and permit requirements
- Ensure adequate structural support for the hood's weight
- Use appropriate fall protection when working at height
- Consider professional installation for electrical work or structural modifications
- Test all systems before completing the installation

This installation requires advanced DIY skills and may benefit from professional assistance, particularly for electrical work and structural modifications.