

Attic Air Sealing Upgrade

Photo Report

Installer:

Tech Name
Quality Air Sealing
1234 SE Company Address Rd.
1234567890
Test@gmail.com

Installation Date: August 10, 2023

Installation Address: 8005 N Project St., Portland, Oregon 97215

Building Number

A photo of the building showing the building number.



Timestamp: August 10, 2023 at 12:13 PM PDT

Geolocation: [45.5118,-122.5810](#)

About the Report

This report is intended to show:

1. The air leakage rate of the home before attic envelope upgrades were performed, and
2. The critical details of the attic air sealing upgrades that were performed

The report is not intended to be technically exhaustive, neither every single feature nor every example of every feature was photographed. The report does not imply that every single location that could have been air sealed and insulated was air sealed and insulated 100% perfectly, however, the contractor has made diligent effort to be meticulous and do a quality job.

About Naturally Drafted Fossil Fuel Appliances Inside the Home:

Naturally drafted fossil fuel appliances inside the pressure boundary of the home will be tested for proper draft and combustion during the pre-envelope upgrade health and safety inspection. However, there is the possibility that the comprehensive envelope air sealing and insulation energy efficiency upgrades could cause the naturally drafted water heater or furnace to fail to draft properly when dryers, range hoods, and exhaust fans are operated simultaneously with the naturally drafted water heater and/or furnace. If this is found to be the case, a combustion air opening connecting the combustion appliance area to the outdoors may need to be added or some other remediation may be required. The homeowner/landlord should be aware of this possibility and the costs of this remediation action.

About Mechanical Ventilation:

One important aspect of a comprehensive energy efficiency upgrade is taking control of the air flowing in and out of the home. Without proper air sealing, the air flows in and out wherever it wants to, and primarily when it is very hot or very cold. This leads to comfort issues (drafts) and wasted energy. It also leads to moisture problems when the moisture in that air gets into the wall, attic, or floor assemblies. To avoid these issues while providing adequate fresh air where and when it is needed, the strategy is to seal air leaks, especially high (attic) and low (basement or crawlspace) and then provide continuous mechanical ventilation with optional filtering or other conditioning.

Blower Door

Blower Door – Photo

Photo of the blower door setup before the air sealing insulation work



Timestamp: August 10, 2023 at 12:14 PM PDT

Geolocation: [45.5118,-122.5810](#)

CFM50 – Photo

Photo of the manometer showing CFM50 of air leakage before air sealing and insulation work was performed



Timestamp: August 10, 2023 at 12:14 PM PDT

Geolocation: [45.5118,-122.5810](#)

ACH50 Calculation

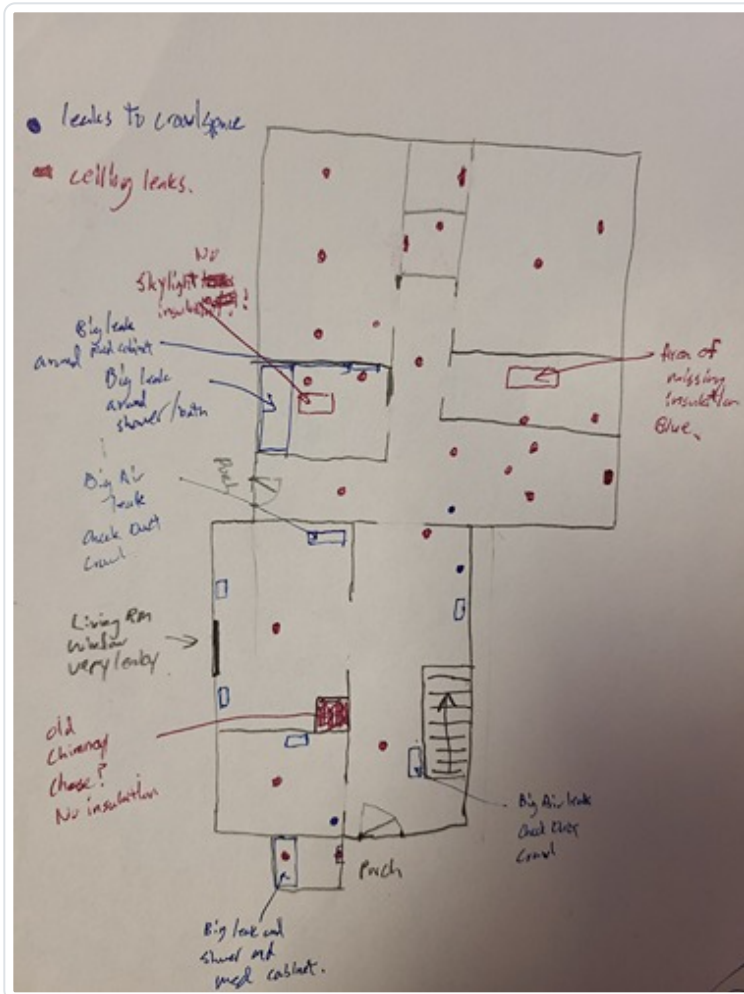
CFM50 = 1820

Building Volume (ft³) = 9000

ACH50 = 12.13

Floor plan sketch – Photo

Floor plan sketch showing the locations of air leaks found from feeling penetrations for air leaks while the blower door is running and/or with the assistance of a thermal imaging camera while the blower door is running.



Timestamp: August 10, 2023 at 12:16 PM PDT

Geolocation: [45.5118,-122.5810](https://www.google.com/maps/place/45.5118,-122.5810)

Attic Preparation

Attic Floor Preparation – Photo

Photo of attic floor prep before air sealing such as cleaned, insulation removed



Timestamp: August 10, 2023 at 12:16 PM PDT

Geolocation: [45.5118,-122.5810](#)

Attic Air Sealing Details

Drywall To Top Plate – Photo

Photo of drywall to top plate seam sealed



Timestamp: August 10, 2023 at 12:17 PM PDT

Geolocation: [45.5118,-122.5810](#)

Soffit Air Baffles – Photo

Photo of soffit air baffles installed blocked with batt insulation and/or air sealed with spray foam



Timestamp: August 10, 2023 at 12:17 PM PDT

Geolocation: [45.5118,-122.5810](#)

Non-IC Rated Can Lights – Photo

Photo of enclose and air seal non-IC rated recessed lights



Timestamp: August 10, 2023 at 12:18 PM PDT

Geolocation: [45.5118,-122.5810](#)

Chimney Dam – Photo

Photo of fire caulking and sheet metal dam around chimney



Timestamp: August 10, 2023 at 12:18 PM PDT

Geolocation: [45.5118,-122.5810](#)

Hot Flue Pipe Dam – Photo

Photo of fire caulking and sheet metal dam around hot flue pipes



Timestamp: August 10, 2023 at 12:18 PM PDT

Geolocation: [45.5118,-122.5810](#)

Wire and Pipe Penetrations – Photo

Photo of electrical wire and pipe penetrations Sealed

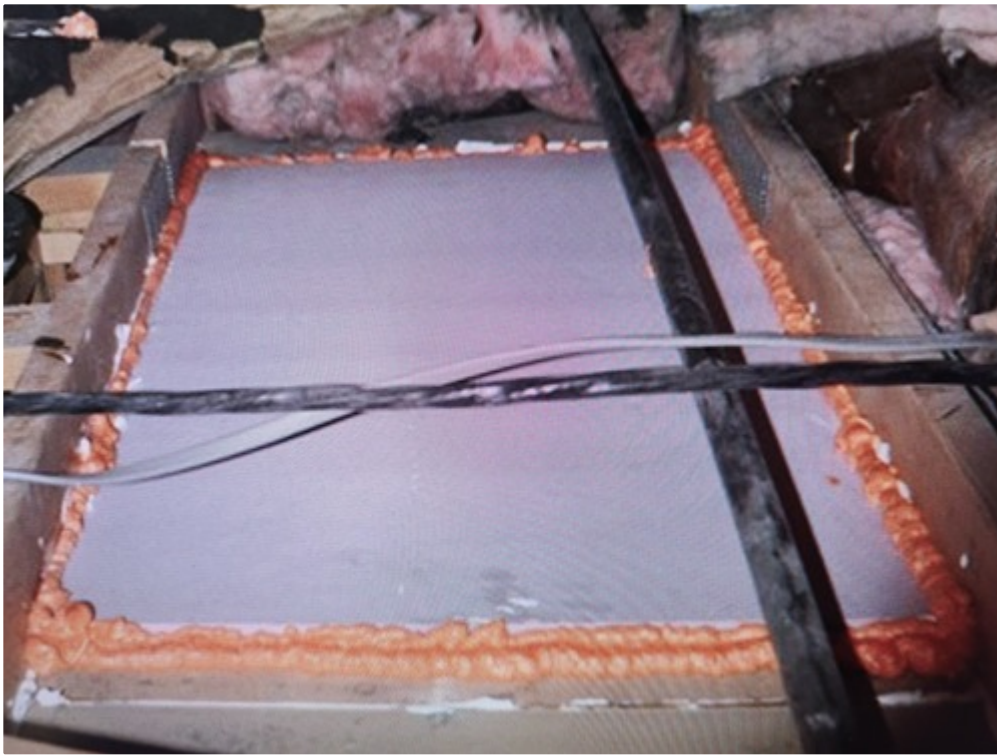


Timestamp: August 10, 2023 at 12:19 PM PDT

Geolocation: [45.5118,-122.5810](#)

Large Opening Sealed – Photo

Photo of large opening such as a dropped soffit, dropped ceiling, or chase sealed with rigid foam and spray foam.



Timestamp: August 10, 2023 at 12:19 PM PDT

Geolocation: [45.5118,-122.5810](#)

Duct Boot To Drywall – Photo

Photo of duct boot to drywall connection sealed

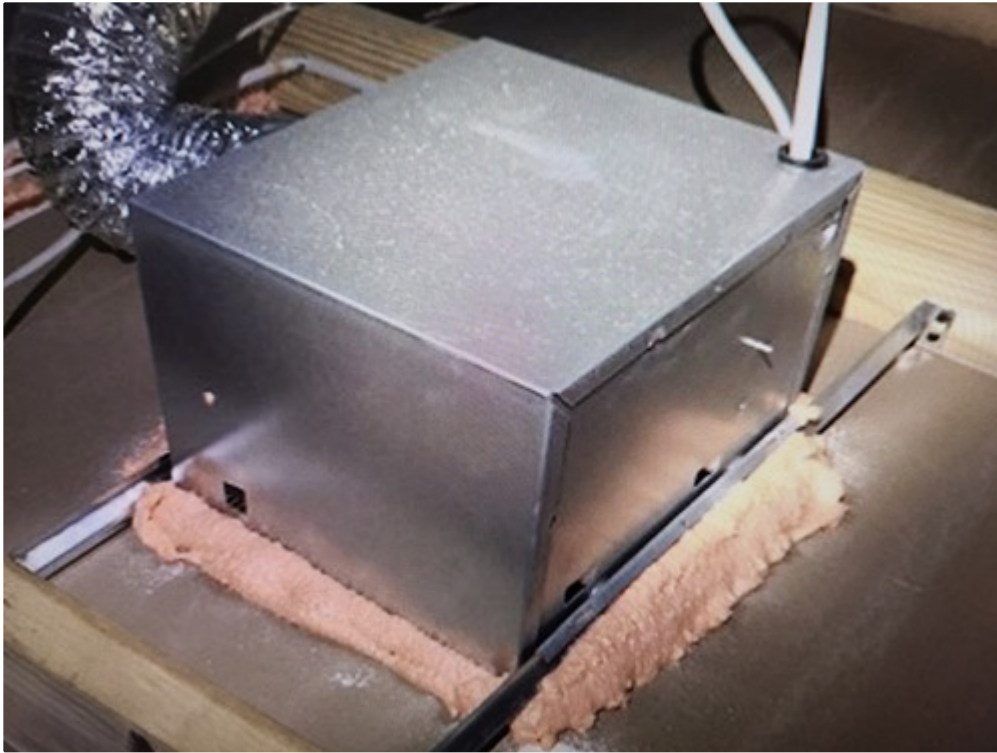


Timestamp: August 10, 2023 at 12:20 PM PDT

Geolocation: [45.5118,-122.5810](#)

Exhaust Fan Sealed to Drywall – Photo

Photo of exhaust fan sealed to drywall



Timestamp: August 10, 2023 at 12:20 PM PDT

Geolocation: [45.5118,-122.5810](#)

Knee Walls Sealed – Photo

Photo of open back knee walls drywall sealed to studs. Install blocking if missing top or bottom plates.



Timestamp: August 10, 2023 at 12:20 PM PDT

Geolocation: [45.5118,-122.5810](#)

Knee Walls Enclosed – Photo

Photo of open back knee wall enclosed with air barrier or foam board



Timestamp: August 10, 2023 at 12:21 PM PDT

Geolocation: [45.5118,-122.5810](#)

Skylight Walls Sealed – Photo

Photo of open back skylight shaft wall drywall air sealed to studs



Timestamp: August 10, 2023 at 12:21 PM PDT

Geolocation: [45.5118,-122.5810](#)

Skylight Walls Enclosed – Photo

Photo of open back skylight walls enclosed with air barrier or foam board



Timestamp: August 10, 2023 at 12:22 PM PDT

Geolocation: [45.5118,-122.5810](#)

Balloon Walls Sealed – Photo

Photo of balloon framed walls sealed with blocking and spray foam



Timestamp: August 10, 2023 at 12:22 PM PDT

Geolocation: [45.5118,-122.5810](#)

Stairwell Wall Sealed – Photo

Photo of open back stairwell wall sealed with air barrier or foam board



Timestamp: August 10, 2023 at 12:22 PM PDT

Geolocation: [45.5118,-122.5810](#)

T&G Ceiling Sealed – Photo

Photo of tongue and groove ceiling sealed



Timestamp: August 10, 2023 at 12:23 PM PDT

Geolocation: [45.5118,-122.5810](#)

Storage Platform Preparation – Photo

Photo of storage platform prepared for insulation using batts as blocking if no insulation underneath



Timestamp: August 10, 2023 at 12:24 PM PDT

Geolocation: [45.5118,-122.5810](#)

Overview of Air Sealed Attic – Photo

Overview photo of air sealed attic



Timestamp: August 10, 2023 at 12:24 PM PDT

Geolocation: [45.5118,-122.5810](#)

Attic Access Dam – Photo

Photo of installed and sealed insulation dam around attic access



Timestamp: August 10, 2023 at 12:25 PM PDT

Geolocation: [45.5118,-122.5810](#)

Attic Access Weatherstrip – Photo

Photo of weatherstrip air sealed attic access



Timestamp: August 10, 2023 at 12:25 PM PDT

Geolocation: [45.5118,-122.5810](#)

Summary Comments: Not all homes will have every feature.