



RENOVATION

4% BOND FINANCED PROJECTS DUCT AND ENVELOPE LEAKAGE REQUIREMENTS

The Georgia Qualified Allocation Plan (QAP) requires that Bond Financed Projects must satisfy all applicable requirements in Appendix I, Threshold Criteria, and all other applicable requirements. Rehab projects must complete an Energy Audit prior to application submission, documenting that the renovation scope of work will result in a minimum energy reduction of 20%, and reduce duct and envelope leakage.

REQUIREMENTS

2016

20% reduction in duct leakage to outside
20% envelope leakage reduction
Energy Audit with 20% energy savings

2017- 2019

20% reduction in duct leakage to outside
or 8% duct leakage to outside
20% envelope leakage reduction, 7 ACH50
or 0.35 ELR for units smaller than 1,200 sqft
Energy Audit with 20% energy savings

Using the following strategies will help you meet these testing requirements:

AIR SEALING

- Caulk bottom plate to slab at unit envelope
- Seal all visible gaps in wall and floor sheathing
- Seal windows and doors to framing
- Rigid air barrier behind any chases / tubs on exterior walls / framed soffits
- Seal shower and tub drains
- Air seal bands at unit envelope
- Seal all pipes and wires at top and bottom plates
- Seal top and interior walls of any chases
- Block cantilevered floors at exterior wall
- Caulk electrical boxes / plumbing penetrations / gaps in the ceiling
- Seal all gaps in drywall at mechanical closets
- Caulk all HVAC boots and bath fans to drywall

DUCT SEALING

- All flex to metal connections sealed with mastic, no mastic on insulation
- All collars to plenums, sealed with mastic to metal or duct board, no mastic on insulation
- All plenums to air handlers sealed with mastic, no mastic on insulation
- Seams in metal connectors sealed with mastic
- Seams in air handler sealed with tape or mastic
- Transfer grilles must have metal sleeves sealed to drywall on both sides
- Holes in air handler for condensate and refrigerant lines sealed with caulk or mastic

Please note that all 2019 QAP projects must be certified under a green building program. Contact us for our recommendations on selecting a program,

SK Collaborative provides consulting, testing, energy audits and certification services. Please contact us to discuss any upcoming projects that we can assist you with.

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NEW CONSTRUCTION

4% BOND FINANCED PROJECTS DUCT AND ENVELOPE LEAKAGE REQUIREMENTS

The Georgia Qualified Allocation Plan (QAP) requires that Bond Financed Projects must satisfy all applicable requirements in Appendix I, Threshold Criteria, and all other applicable requirements. This includes duct and envelope tightness testing.

REQUIREMENTS

2016

4% duct leakage to outside
5 ACH50 (Climate Zone 3)
3 ACH50 (Climate Zone 2)
or 0.30 ELR for units smaller than 1,200 sqft

2017-
2019

8% duct leakage to outside
7 ACH50
or 0.35 ELR for units smaller than 1,200 sqft

Using the following strategies will help you meet these testing requirements:

AIR SEALING

- Caulk bottom plate to slab at unit envelope
- Seal all visible gaps in wall and floor sheathing
- Seal windows and doors to framing
- Rigid air barrier behind any chases / tubs on exterior walls / framed soffits
- Seal shower and tub drains
- Air seal bands at unit envelope
- Seal all pipes and wires at top and bottom plates
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