

Include this form with permit applications for a roof replacement/recover on buildings of 25,000 square feet or more in gross floor area (GFA) and for additions of 25,000 – 49,999 square feet to an existing building. For additions of 50,000 square feet or more, use the “New Buildings” form available at www.denvergov.org/greenroofs.

Log number: _____

I. Project Description

- Roof recover only Roof replacement Addition (25,000 - 49,999 ft² of GFA)

Address: _____

II. Cool Roof Requirement

Submittal requirements for cool roofs, character-defining roofs, and condensation analyses are listed in the Rules and Regulations at www.denvergov.org/greenroofs. Include that documentation with this application to ensure a timely start to your review. Attach additional pages if more space is needed.

- Exempt:** This is a roof recover only, and an analysis of the roof system shows a cool roof will cause condensation.
 Exempt: This roof replacement/recover is for 5% or less of the total roof area or section in any calendar year.
 Other exemption as listed in Article III of the Rules and Regulations. List and submit appropriate documentation:

All other projects:

- Low-sloped roof (slopes less than 2:12) Steep-sloped roof (slopes 2:12 or steeper)

New roof material(s) and manufacturer(s): _____

Initial solar reflectance: _____ Solar reflectance at three years (or N/A if unknown): _____

Initial solar reflectance index (SRI): _____ SRI at three years (or N/A if unknown): _____

III. Exemptions from Additional Green Building Requirements

If this project meets one of the exemptions listed below, skip to the end, Section V. Signatures and Contact Information.

- Roof recover only
 Roof replacement/recover for 5% or less of the total roof area or section in any calendar year
 Residential building with five or fewer stories or less than 62.5 feet in height
 Emergency roof replacement due to fire or wind damage. Hail damage is not considered an emergency.
 Existing green roof that will be reinstalled. Existing permit number for green roof: _____
 The building or campus has already complied with the ordinance and is still in compliance. Building permit or project record number (e.g., COMMCON, Project Master, SDP, Energy Master Plan): _____
 Before November 2, 2019, only: This roof is being replaced due to hail damage directly caused by a storm that occurred after the Green Buildings Ordinance took effect on November 2, 2018, and the property owner is demonstrating they had insurance to cover the cost of meeting new code requirements, but the coverage is insufficient to meet the costs of this ordinance and the policy is not yet due for renewal. Insurance policy documents and substantiation of date of hail damage (e.g., insurance claim that includes documentation of the date of the hail damage) must be included with this application.

IV. Compliance Options

Select which option (A-G below) will apply to this building. For the selected option, cross-reference the submittal requirements listed in the Rules and Regulations at www.denvergov.org/greenroofs and include that documentation with your application.

Gross floor area (GFA): _____

Total roof area: _____

Gross Floor Area (GFA):
Calculate GFA the same as under the building code, minus any area used exclusively to park or store vehicles. For additions, only include the GFA of the addition.

Total Roof Area:
The square footage of all roofs and roof sections on a building. Do not include roofs covering stories below grade.

A. Green space amounting to at least (choose one):

Total roof replacement / Additions

- 2% of the building or addition's GFA
- 18% of the total roof area, or
- All *available* roof area.

OR

Replacing roof section(s)

- $\frac{(2\% \text{ of the building GFA} \times \text{roof section area})}{\text{total roof area of the building}}$
- 18% of the roof section(s), or
- All *available* area on the roof section(s).

B. Payment to the green building fund of \$50 per square foot of green space required but not provided. Make sure to select a green space amount from option A. If selecting "all available roof area," please specify the available square footage: _____ ft.²

C. Solar panels located on the building or lot amounting to at least (choose one):

Total roof replacement / Additions

- 5% of the building or addition's GFA
- 42% of the total roof area, or
- An amount capable of generating 100% of the building's estimated average annual electricity use.

OR

Replacing roof section(s)

- $\frac{(5\% \text{ of the building GFA} \times \text{roof section area})}{\text{total roof area of the building}}$
- 42% of the roof section(s), or
- An amount capable of generating 100% of the building's estimated average annual electricity use.

D. Green building certification, e.g., LEED Silver, Enterprise Green Communities, the National Green Building Standard (NGBS) Silver, or an equivalent program: _____

E. **Option for additions only:** This addition is designed to use less energy, as measured by an estimated energy cost savings of at least 4% above building code requirements for the addition.

F. **Option for roof replacements only:** By checking this box, this building is enrolling in the Energy Program. The building owner will have five years, starting from June 1 following their enrollment date, to achieve one of the following options:

- An ENERGY STAR score of 85 or higher.
- Installation of solar panels located onsite, as detailed in option B above, or an off-site solar purchase equivalent to 100% of the electricity used in the building.
- A 10% improvement in energy use intensity (EUI) for buildings between 25,000 and 49,999 square feet.
- A 15% improvement in EUI for buildings of 50,000 square feet or more.



Review the Energy Program requirements located online at www.denvergov.org/EnergizeDenver > Energy Program. Enrolling in the Energy Program is valid for 20 years or through one roof replacement, whichever is longer.

G. **Option for roof replacements only:** This building is already enrolled in the Energy Program.

V. Signatures and Contact Information

I understand that the cool roof and compliance options selected above will apply to this building for the duration of its existence, according to the Green Buildings Ordinance as set out in Article XIII, Chapter 10 of the Denver Revised Municipal Code.

Applicant name: _____

Relationship to project: _____

Building Owner. Owner signature can be a photocopy, scan, or image saved as a PDF of the original signature.

Owner name: _____ Phone: _____ Date: _____

Owner signature: _____ Email: _____

If enrolling in the Energy Program, who will be the primary contact leading the building's participation?

Name and position: _____

Email: _____ Phone: _____