



City of Bakersfield
Community Development
Building Division
1715 Chester Avenue
Bakersfield, CA 93301
(661) 326-3720

RESIDENTIAL RE - ROOF

FORM
F1007

Rev 2/01/2016

Prescriptive Certificate of Compliance: Residential Re Roof

SECTION A:

Project / Site Address:	Climate Zone 13	Permit #
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ROOF REPLACEMENT (Prescriptive Alteration, Section 150.2(b)1H)

When 50% or more of the roof is being replaced the roofing requirements are triggered. Any areas of roof covered by building integrated photovoltaic panels and solar thermal panels (the area of roof not covered by photovoltaic panels would still need to meet any applicable cool roof requirements). Additionally, there are many alternatives/exceptions when a cool roof is required.

When the roof is steep slope (pitch greater than 2:12) the roof requirements include a cool roof in climate zones 10-15. The minimum requirement is 0.20 aged solar reflectance, 0.75 thermal emittance, or a minimum SRI of 16

1. Method of Compliance: indicate if the method of compliance is going to be based on Aged Solar Reflectance and Thermal Emittance, the Solar Reflectance Index (SRI), or and Exception.
2. Roof Pitch: Expressed as 4:12, for example, which means the roof rises 4 foot within a span of 12 feet. When roofs have multiple pitches the requirements are based on the pitch of 50% or more of the roof.
3. Exception: If meeting one of the exceptions. Indicate which exception is, or will be, met.

NOTES: EXCEPTIONS AND ALTERNATIVES FOR STEEP SLOPE ROOFS:

- A) Air space 1" from top of roof deck to bottom of roofing;
- B) Roofing product has a profile ratio of rise to width of 1 to 5 for 50 percent or greater of the width of the roofing product;
- C) Ducts already meet Section 150.01(c)9 insulation and duct leakage requirements; (Hers Rating Req'd with CF3R Form)
- D) Attic has R-38 insulation; (Insulation Certificate Required)
- E) Roof has radiant barrier; that meets requirements of section 150.1(c)2 Add radiant barrier at gable ends. *
- F) No ducts are installed in the attic; or
- G) R-4 insulation above the roof deck.

In climate zone 13, when there is a low slope roof (pitch 2:12 or less) the cool roof requirements are for a minimum aged solar reflectance of 0.63, a minimum 0.75 thermal emittance, or a minimum SRI of 75.

EXCEPTIONS AND ALTERNATIVES FOR LOW SLOPE ROOFS:

- A) No ducts are installed in the attic; or
- B) Roof deck installation - by installing roof deck insulation, a lower aged solar reflectance is required: R-2 (0.62-0.60) R-4 (0.59-0.55), R-6 (0.54-0.50), R-8 (0.49-0.45), R-12 (0.44-0.40), R-16 (0.39-0.35), R-20 (0.34-0.30), R-24 (0.29-0.25)

All Areas of the ReRoof (Including Vaulted Ceilings) shall comply with one of the above exceptions to avoid Section C below

NOTE: If one of these exceptions above has been selected than the rest of Section C is Not Required.

SECTION C: ROOF REPLACEMENT (Prescriptive Alteration, Section 150.2(b)1H)

01	02	03	04	05	06	07	08	09	10	11	12	13
Method of Compliance	Roof Pitch	Exception	CRRC Product ID Number	Product Type	R-Value Deck Insulation	Proposed				Minimum Required		
						Initial Solar Reflectance	Aged Solar Reflectance	Thermal Emittance	SRI (Optional)	Aged Solar Reflectance	Thermal Emittance	SRI (Optional)
	2 & 12 or less									0.63	0.75	75
	Over 2 & 12									0.20	0.75	16

Notes

- * Roof area covered by building integrated photovoltaic panels and solar thermal panels are exempt from the above Cool Roof requirements
- * Liquid field applied coatings must comply with installation criteria from section 110.8(i)4.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- 1) The information provided on this Certificate of Compliance is true and correct.
- 2) I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
- 3) That the energy features and performance specifications, materials components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
The building design features or system design features identified on the Certificate of Compliance are consistent with the information provided on other
- 4) applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application
I will ensure that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made
- 5) available to the enforcement agency for all applicable inspections. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy

Responsible Designer Name:	Responsible Designer Signature:	
Company:	Date Signed:	
Address:	License #:	License Type:
City/State/Zip:	Phone:	

VENT CALCS FOR RE ROOFING

Property Address	Date
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INSULATION OPT, RADIANT BARRIER, 3/4 AIR GAP BETWEEN ROOF AND DECK

SQ FOOTAGE OF ATTIC SPACE _____ ÷ 300 = _____ **required sq ft of venting**

TYPE OF VENT	SQ FT ALLOWANCE	TOTAL NO. OF VENTS		TOTAL SQ FOOTAGE
		Existing Vents UPPER / LOWER	New Vents UPPER/ LOWER	
O'HAGGIN VENTS	.50 sqft			
12" X 12" GABLE END VENT	.43 sqft			
14" X 12" GABLE END VENT	.45 sqft			
18" LOW PROFILE DORMER	.33 sqft			
18" HALF ROUND DORMER	.70 sqft			
24" HALF ROUND DORMER	.90 sqft			
14" X 18" GABLE END VENT	.82 sqft			
14" X 24" GABLE END VENT	1.1 sqft			
18" X 24" GABLE END VENT	1.4 sqft			
14" X 30" GABLE END VENT	1.4 sqft			
18" ROUND VENT	.83 sqft			
24" ROUND VENT	1.5 sqft			
24" OCTAGON VENT	1.5 sqft			
3 1/2 X 14 1/2 EAVE VENTS	.27 sqft			
3 1/2 X 22 1/2 EAVE VENTS	.33 sqft			
5 1/2 X 22 1/2 EAVE VENTS	.58 sqft			
3 HOLE DRILLED BLOCKS	.06 sqft			
4 HOLE DRILLED BLOCKS	.08 sqft			
12" Wind Turbine	.78 sq ft			
14" Wind Turbine	1.06 sq ft			
Ridge Cap Shingle	0.07sq ft			
Vaulted Ceilings	Y N			

Form Must Be Attached To Job Card	Total Sq Ft of Vents:
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