DOCKETED	
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ALTERNATIVE DEFAULT FENESTRATION PROCEDURE (NA6) WORKSHEET CALIFORNIA ENERGY COMMISSION

CEC-CF1R-ENV-05-E (Revised 01/20)

CERTIFICATE OF COMPLIANCE CF1R-ENV-05-E Alternative Default Fenestration Procedure (NA6) Worksheet (Page 1 of 2)

Project Name: Date Prepared:

A. General Information		
01	Conditioned Floor Area	
02	5% of the Conditioned Floor Area	
03	Total Allowed Non-rated Site-built Fenestration Area	
04	Proposed Area of Site-built Fenestration	

B. Fenestration/Glazing Area		
01	02	
Tag/Identification	Area (ft²)	

C. Default U-factor Using Ed	•				00	N	
Equation NA6-1: $U_T = C_1 + (C_1)^T$	•			4.0			*
01	02	03	04	05	06	07	08
				-0,	Center of	ν_{I} .	Total
			C ₁ from	C ₂ from	Glass	9	Performance
			Table	Table	U-factor		U-factor
Tag/Identification	Product Type	Frame Type	NA6-5	NA6-5	(U _c)	Source	(U _T)
		3	100	- 1			
			AC	~0.			

Table NA6-5 – U-factor Coefficients			
Product Type	Frame Type	C_1	C ₂
	Metal	0.311	0.872
Site-built Vertical Fenestration	Metal Thermal Break	0.202	0.867
	Nonmetal	0.202	0.867
Skylights with a Curb	Metal	0.711	1.065
	Metal Thermal Break	0.437	1.229
0	Nonmetal	0.437	1.229
Skylights with no Curb	Metal	0.195	0.882
	Metal Thermal Break	0.310	0.878
	Nonmetal	0.310	0.878
5O.	12, 07	290	

D. Default Solar Heat Gain Coefficient (SHGC) Using Equation NA6-2 Equation NA6-2: SHGC _T = $0.08 + (0.86 \times SHGC_C)$					
01	01 02 03 04				
01 0	Center of Glass SHGC		Total Performance SHGC		
Tag/Identification	(SHGC _c)	Source	(SHGC _T)		
101:					

Registration Number: Registration Date/Time: **HERS Provider:** STATE OF CALIFORNIA

ALTERNATIVE DEFAULT FENESTRATION PROCEDURE (NA6) WORKSHEET

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CALIFORNIA ENERGY COMMISSION

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CERTIFICATE OF COMPLIANCE	CF1R-ENV-05-E
Alternative Default Fenestration Procedure (NA6) Worksheet	(Page 2 of 2)
Project Name:	Date Prepared:

DO	DOCUMENTATION AUTHOR'S DECLARATION STATEMENT					
1.	I certify that this Certificate of Compliance documentation is accur-	ate and complete.				
Docu	imentation Author Name:	Documentation Author Signature:				
Com	pany:	Signature Date:				
Addr	ess:	CEA/HERS Certification Identification (if applicable):				
City/	State/Zip:	Phone:				
RES	SPONSIBLE PERSON'S DECLARATION STATEMENT	30				
Lce	rtify the following under penalty of perjury, under the laws of the St	rate of California:				
1.	The information provided on this Certificate of Compliance is true					
2.	I am eligible under Division 3 of the Business and Professions Code					
	identified on this Certificate of Compliance (responsible designer).					
3.		s, components, and manufactured devices for the building design or				
	system design identified on this Certificate of Compliance conform					
	Code of Regulations.	A				
4.		on this Certificate of Compliance are consistent with the information				
	· · · · · · · · · · · · · · · · · · ·	calculations, plans and specifications submitted to the enforcement				
	agency for approval with this building permit application.	7.0				
5.	9 7 11					
	building, and made 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:						
	'A'	360				
Com	pany:	Date Signed:				
COIII	pully.	Date signed.				
	- 'U' ~'U'	1/0				
Add	ress:	License:				
	2 1 1),	40				
City/State/Zip: Phone:						

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CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	CF1R-ENV-05-E
Alternative Default Fenestration Procedure (NA6) Worksheet	(Page 1 of 1)

CF1R-ENV-05-E Instructions

The Alternative Default Fenestration Procedure (ADFP) option is available only when nonrated site-built fenestration is being installed in a residential dwelling. For Residential site-built fenestration up to 250 ft² or 5% time the conditioned floor area (CFA), whichever is greater shall meet sections §110.6(a)2 and §110.6(a)3.

This worksheet is used to calculate U-factor and solar heat gain coefficient (SHGC) for site-built fenestration/glazing.

A. General Information

- 1. Conditioned Floor Area: The total conditioned floor area (CFA) in square feet (ft²), as measured from the outside of the exterior walls.
- 2. 5% of the Conditioned Floor Area: This value is auto-filled based on the following equation (CFA x 0.05).
- 3. Total Allowed Non-rated Site-built Fenestration Area: This is the greater of 250 ft² or 5% of the conditioned floor area.
- 4. Proposed Area of Site-built Fenestration: This value is auto-filled with the sum total of column B02.

B. Fenestration/Glazing Area

- 1. Tag/Identification: Auto-filled from CF1R.
- 2. Area (ft²): Auto-filled from CF1R.

C. Default U-factor Using Equation NA6-1

- 1. Tag/Identification: Auto-filled from Section B.
- 2. Product Type: Using the drop down menu, indicate the type of product (e.g., Site-Built Vertical Fenestration, Skylights with Curb, or Skylight with no Curb).
- 3. Frame Type: Using the drop down menu, indicate the type of frame (e.g., Metal, Metal Thermal Break, or Nonmetal).
- 4. Coefficient 1 (C₁) from Table NA6-5: Based on the Product and Frame Type selected, enter the corresponding coefficient from Table NA6-5.
- 5. Coefficient 2 (C₂) from Table NA6-5: Based on the Product and Frame Type selected, enter the corresponding coefficient from Table NA6-5.
- 6. Center of Glass U-factor: Enter the Center of Glass U-factor.
- 7. Source: Using the drop down menu, indicate where the *Center of Glass U-factor* information was derived from (e.g., Manufacturer's spec sheet or CMAST).
- 8. Total Performance U-factor: This value is auto-filled based on Equation NA6-1 [$U_T = C_1 + (C_2 \times U_C)$].

D. Default Solar Heat Gain Coefficient (SHGC) Using Equation N6-2

- 1. Tag/Identification: Auto-filled from Section B.
- 2. Center of Glass SHGC: Enter the Center of Glass SHGC.
- 3. Source: Using the drop down menu, indicate where the *Center of Glass SHGC* information was derived from (e.g., Manufacturer's spec sheet or CMAST)
- Total Performance SHGC: This value is auto-filled based on Equation NA6-2 [SHGC_T = 0.08 + (0.86 x SHGC_C)].