



CERTIFICATE OF INSTALLATION		CF2R-ENV-24-H
Quality Insulation Installation (QII) – Air Infiltration Sealing - Framing Stage for SIP and ICF		(Page 1 of 3)
Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City:	Zip Code:

If there are any traditional stick built exterior walls use the CF2R-ENV-21. For traditional stick built roof/ceiling use the CF2R-ENV-22 and 23.

<b>A. INSTALLATION</b>	
01	The R-value of all SIP/ICF products is the same or better than listed on the CF1R.
02	If modeled on the CF1R the density of the installed product is the same as installed.
03	SIP/ICF products have been installed per manufacturer's installation instructions.
<b>The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.</b>	

<b>B. RAISED FLOOR Air BARRIER</b>	
01	All gaps in the raised floor are sealed.
02	All chases sealed at floor level using a hard cover and the hard covers are sealed.
03	All plumbing and electrical wires that penetrate the floor must be sealed.
04	Subfloor sheathing is glued or sealed at all exterior panel edges to create a continuous air tight subfloor.
<b>The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.</b>	

<b>C. WALLS/KNEE WALL Air BARRIER</b>	
01	Exterior walls are sealed to every floor on every story.
02	All gaps around windows and doors are sealed. The sealant used follows window manufacturer specifications.
03	All gaps around windows and doors are filled with insulation. Batt insulation is not allowed to be stuffed into the gap.
04	All plumbing and wiring penetrations through the top and bottom of panels, and electrical boxes that penetrate the wall are sealed.
05	All SIP panel joints are sealed at the interior of the wall and the exterior of each panel.
06	Fan exhaust ducts that run between conditioned floors to exterior walls must include a damper at the exterior wall.
07	Header is sealed to wall with foam or caulk per the manufacturer's directions.
08	Knee walls have solid and sealed blocking at the bottom, top, left, and right sides.
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<b>D. SIP CEILING AIR BARRIER</b>	
01	For vented attics use the CF2R-ENV-23.
02	For unvented attics ensure all penetrations through the roof deck and gable ends are sealed and airtight.
<b>The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.</b>	

<b>E. CONDITIONED SPACE ABOVE OR ADJACENT TO GARAGE AIR BARRIER</b>	
01	All penetrations in the subfloor above the garage into conditioned space must follow the raised floor air barrier requirements above.
02	Infiltration between the space above the garage and subfloor is prevented by one of the two following methods: <ul style="list-style-type: none"> <li>Seal all edges of garage ceiling (typically drywall) at the perimeter of the garage to create a continuous air tight surface between the garage and adjacent conditioned envelope. Seal all plumbing, electrical, and mechanical penetrations between the garage and the adjacent conditioned space. For an open-web truss, airtight blocking must be added on four sides of the garage perimeter. Insulation can be placed on the garage ceiling.</li> <li>Seal the band joist above the wall at the garage to conditioned space transition. Seal all subfloor seams and penetrations between the conditioned space and the garage. Insulation must be placed in contact with the subfloor below the conditioned space.</li> </ul>
<b>The responsible person's signature on this compliance document affirms that all applicable requirements in this table have been met.</b>	

<b>F. CANTILEVERED FLOOR AIR BARRIER</b>	
01	Airtight blocking shall be installed between joists where the wall rim joist would have been located in the absence of a cantilever.
02	Exterior sheathing shall be installed to the bottom of the cantilever so that there is a continuous air and weather barrier for the cantilever. The cantilevered joist must be insulated to the same R-value as required for the subfloor.
03	Any gaps, cracks, or penetrations in the air barrier of the cantilever shall be sealed. Recessed down lights in the cantilever must be IC and AT rated and properly sealed to sheathing.
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**G. MULTIFAMILY AIR BARRIER**

01	Multifamily buildings must meet all air sealing requirements listed above plus each dwelling unit must be air sealed to stop air movement from one unit to another.
02	Floor and ceiling of each dwelling unit – all penetrations through the floor and ceiling of each unit must be sealed, including electric and gas utilities, water pipes, drain pipes, fire protection service pipes, communication wiring, etc.
03	Elevator penthouse, mechanical penthouse, stairwell doors, roof access hatch, plumbing stacks, etc. are sealed to reduce air transfer from attached spaces.
04	Common walls – the bottom plate between units must be sealed to the subfloor. All penetrations in the common walls are sealed. Interior walls that open into the common walls must be sealed.
05	Vertical chases – all vertical chases are sealed at the floor and ceiling of each unit so air cannot transfer between floors around chases.
06	Vertical chases – chases for garbage chutes, elevator shafts, and HVAC ducting are sealed to stop air movement through the chase to surrounding spaces.
07	Common hallways – penetrations between dwelling units and common hallways are sealed, including doors to the dwelling units which shall be gasketed or made substantially airtight.
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For information and data collection only. Not valid until registered with a HERS provider



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**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

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

Documentation Author Name:	Documentation Author Signature:
Documentation Author Company Name:	Date Signed:
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:

- The information provided on this Certificate of Installation is true and correct.
- I am eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation and attest to the declarations in this statement (responsible builder/installer), otherwise I am an authorized representative of the responsible builder/installer.
- The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations, and the installation conforms to the requirements given on the plans and specifications approved by the enforcement agency.
- I understand that a HERS rater will check the installation to verify compliance, and that if such checking identifies defects; I am required to take corrective action at my expense. I understand that Energy Commission and HERS Provider representatives will also perform quality assurance checking of installations, including those approved as part of a sample group but not checked by a HERS rater, and if those installations fail to meet the requirements of such quality assurance checking, the required corrective action and additional checking/testing of other installations in that HERS sample group will be performed at my expense.
- I reviewed a copy of the Certificate of Compliance approved by the enforcement agency that identifies the specific requirements for the scope of construction or installation identified on this Certificate of Installation, and I have ensured that the requirements that apply to the construction or installation have been met.
- I will ensure that a registered copy of this Certificate of Installation shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a registered copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Builder/Installer Name:	Responsible Builder/Installer Signature:	
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)	Position With Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone	Date Signed:
Third Party Quality Control Program (TPQCP) Status:	Name of TPQCP (if applicable):	