## UNDERSLAB HEATING SYSTEM

2025-CEC-NRCA-PRC-08-F

| Project Name and Address | Authority Having Jurisdiction |  |
|--------------------------|-------------------------------|--|
| Name:                    | Enforcement Agency:           |  |
| Address:                 | Permit Number:                |  |
| City, Zip Code:          | Permit Application Date:      |  |

| Building: Floor: Ro  | oom: Control/tag:                        |                        |
|--|--|------------------------|
|  |  |                        |
| <ul><li>Construction ins</li><li>Does not comply</li></ul> | pection and functional testing comply  / | Date Submitted to AHJ: |

Intent:

The following acceptance test serves to confirm that the electric resistance under floor heating system is thermostatically controlled and is automatically disabled during the summer on-peak period defined by the local electric utility. Reference NRCC-PRC-E. Submit one Certificate of Acceptance for each system that must demonstrate compliance. Reference Section 120.6(a)2, 120.6(a)7A, and NA7.10.1

## **Table A: Construction Inspection**

Prior to functional testing, verify and document all of the following:

| Step | Entry     | Inspection Item  | Code<br>Reference          |
|------|-----------|--|----------------------------|
| 1.0  | Pass Fail | Local electric utility summer on-peak period is programmed into all underslab heater controls to meet requirements of Section 120.6(a)2.                       | NA7.10.1.1(a)<br>120.6(a)2 |
| 2.0  | Pass Fail | Check "Pass" if construction inspection <b>complies</b> with all requirements.  Check "Fail" if construction inspection does not comply with all requirements. | N/A                        |

**Table B: Functional Testing** 

| Step | Entry     | Functional Test  | Code<br>Reference       |
|------|-----------|--|-------------------------|
| 1.0  | No Entry  | Verify that the heaters turn off using Steps 1.1 and 1.2.  | NA7.10.1.2<br>Step 1    |
| 1.1  | No Entry  | Using the control system, lower the slab temperature setpoint.   | NA7.10.1.2<br>Step 1    |
| 1.2  | Pass Fail | Using an electrical test meter, verify the underfloor electric resistance heater is OFF.                           | NA7.10.1.2<br>Step 1(a) |
| 2.0  | No Entry  | Verify that the heaters turn on using Steps 2.1 and 2.2.   | NA7.10.1.2<br>Step 2    |
| 2.1  | No Entry  | Using the control system, raise the slab temperature setpoint.   | NA7.10.1.2<br>Step 2    |
| 2.2  | Pass Fail | Using an electrical test meter, verify the underfloor electric resistance heater is ON.                            | NA7.10.1.2<br>Step 2(b) |
| 3.0  | No Entry  | Verify that the heaters turn off during the local utility company's summer on-peak period using Steps 3.1 and 3.2. | NA7.10.1.2<br>Step 3    |

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| Step | Entry     | Functional Test   | Code<br>Reference       |
|------|-----------|---|-------------------------|
| 3.1  | No Entry  | Using the control system, change the control system's date and time corresponding to the local utility's summer on-peak period. If control system only accounts for time, set system time corresponding to the local utility's summer on-peak period. | NA7.10.1.2<br>Step 3    |
| 3.2  | Pass Fail | Using an electrical test meter, verify the underfloor electric resistance heater is OFF.  | NA7.10.1.2<br>Step 3(c) |
| 4.0  | No Entry  | Restore system to correct date and time, and control setpoints.   | NA7.10.1.2<br>Step 4    |
| 5.0  | Pass Fail | Check "Pass" if all Functional Test results comply with requirements. Check fail if any Functional Tests <b>do not comply</b> with all requirements.  | N/A                     |

| Document Author  |                       |
|--|-----------------------|
| I assert that this Certificate of Acceptance documentation is accurate and complete  | Author Name           |
|  | Company Name          |
|  |                       |
|  |                       |
|  | Author Signature      |
|  | Data Cianad           |
| Field Technician   | Date Signed           |
| I certify the following under penalty of perjury, under the laws of the State of   | Field Tech. Name      |
| California:  | ricia recii. Name     |
| The information provided on this Certificate of Acceptance is true and correct. I am   | Company Name          |
| the person who performed the acceptance verification reported on this Certificate  | . ,                   |
| of Acceptance (Field Technician). The construction or installation identified on this  | Title                 |
| Certificate of Acceptance complies with the applicable acceptance requirements   | Discuss               |
| indicated in the plans and specifications approved by the enforcement agency and   | Phone                 |
| conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7. I have confirmed that the Certificate(s) of  |                       |
| Installation for the construction or installation identified on this Certificate of  |                       |
| Acceptance has been completed and signed by the responsible builder/installer and  | Field Tech. Signature |
| has been posted or made available with the building permit(s) issued for the   |                       |
| building.  | Date Signed           |
| Responsible Person   |                       |
| I assert the following under penalty of perjury, under the laws of the State of  |                       |
| California:  | Responsible Name      |
| I am the Field Technician, or the Field Technician is acting on my behalf as my  | Company Namo          |
| employee or my agent and I have reviewed the information provided on this Certificate of Acceptance. I am eligible under Division 3 of the Business and  | Company Name          |
| Professions Code in the applicable classification to accept responsibility for the   | License No.           |
| system design, construction or installation of features, materials, components, or   |                       |
| manufactured devices for the scope of work identified on this Certificate of   | Title                 |
| Acceptance and attest to the declarations in this statement. The information   |                       |
| provided on this Certificate of Acceptance substantiates that the construction or  | Phone                 |
| installation identified on this Certificate of Acceptance complies with the  |                       |
| acceptance requirements indicated in the plans and specifications approved by the  |                       |
| enforcement agency and conforms to the applicable acceptance requirements and procedures specified in Reference Nonresidential Appendix NA7. I have confirmed  | Responsible Signature |
| that the Certificate(s) of Installation for the construction or installation identified  | Responsible Signature |
| on this Certificate of Acceptance has been completed and is posted or made   | Date Signed           |
| available with the building permit(s) issued for the building. I understand that a   |                       |
| completed, signed copy of this Certificate of Acceptance shall be posted, or made  |                       |
| available with the building permit(s) issued for the building and shall be made  |                       |
| available to the enforcement agency for all applicable inspections, and I will take  |                       |
| the necessary steps to fulfill this requirement. I understand that a signed copy of this Certificate of Acceptance is required to be included with the documentation   |                       |
| the builder provides to the building owner at occupancy. I will take the necessary   |                       |
| steps to ensure this requirement.  |                       |
| and a second sec | 1                     |