



SIPA Master Builder Checklist for SIP Construction

Company:		
Applicant name:		
Address:		
City:	State:	Zip:
Email:		Phone:

Quality Installation of Structural Insulated Panels (SIPs)

Homes constructed with structural insulated panels (SIPs) for exterior walls and/or roof construction should be inspected for quality installation to ensure proper air sealing. This inspection form needs to be signed and submitted along with the results of a blower door test conducted by a RESNET certified energy rater.

✓SIP JOINTS

Expanding foam or manufacturer-approved sealing mastic shall be applied to each SIP joint. The sealant shall be installed continuously on each of the interlocking surfaces such that the sealant creates an uninterrupted barrier between the two surfaces. This has been inspected on the following SIP joints:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Joints between two SIPs
Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Joints between a SIP and a bottom plate
Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Joints between a SIP and a top plate
Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Joints between a SIP and an end-plate
Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Any other joints as specified by the manufacturer's instructions
Yes	No	NA	

When removing foam to fit dimensional lumber for the top plate, bottom plate, end-plate or other locations, the SIP core shall be flush against the lumber. Expanding foam or manufacturer approved sealing mastic shall be applied to any inconsistencies created while removing foam, such that the wood is flush with the SIP core. This expanding foam or sealing mastic shall be in addition to the continuous bead of expanding foam or sealing mastic used to seal the plates to SIPs. This has been inspected on the following SIP joints:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Joints between a SIP and a bottom plate
Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Joints between a SIP and a top plate
Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Joints between a SIP and an end-plate
Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Any other joints as specified by the manufacturer's instructions
Yes	No	NA	



✓ SIP PENETRATIONS			
Any through-wall penetrations of SIPs shall be sealed with expanding foam or sealing mastic, such that the full thickness of the SIP void is filled. Scrap insulation has not been used to fill in the void. This has been inspected on the following SIP penetrations:			
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	Penetrations for HVAC duct work
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	Penetrations for electrical wiring
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	Penetrations for plumbing
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	All gaps around windows and exterior doors
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	Any other through-wall penetrations

✓ SIP System Interface Connections			
ALL seams shall be sealed on the “warm side in winter” with either expanding foam, manufacturer approved sealing mastic and/or SIP tape to meet building code requirements. This is in addition to any sealing required by the manufacturer in the interior of the SIP joints. Sealant is continuous and flush against both interlocking/touching surfaces. This has been inspected on the following SIP connections:			
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	SIPs aligned horizontally and at corners
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	SIPs stacked vertically (between top and bottom plate of two or more story building)
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	SIPs and the concrete foundation
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	SIPs and windows/skylights
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	SIPs and rim-joist panels
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	SIPs intersecting at the roof-peak (sealed externally AND internally)
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	SIPs and the eaves
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA	Any other applicable connections



Building Envelope Leakage Testing

To meet the criteria of SIPA's Master Builder Program, the home must undergo a blower door test conducted by a RESNET certified energy rater. Please input the blower door test results and rater information below IN ADDITION to enclosing the summary page of the test results.

1.	<input type="checkbox"/>	<input type="checkbox"/>	Blower door diagnostic testing was performed by a RESNET certified energy rater
	Yes	No	

2.		Enter the whole house air infiltration (ACH50)
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Energy Rater Contact Information

Company:

Name:

Address:

City:

State:

Zip:

Email:

Phone:

DECLARATION STATEMENT

- I certify that all the information provided on this form is true and correct.
- I certify that the installed features, materials, components, or manufactured devices identified on this checklist conform to all applicable codes and regulations, and the installation is consistent with the plans and specifications approved by the enforcement agency.

Print name:

Signature:

Date: