

**HR Engineering, Inc.**

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23 March 2018

Ahmad Nana  
NANA WALL SYSTEMS, INC.  
100 Meadowcreek Dr. #250  
Corte Madera, CA 94925

RE: Second Response, FBC 2017, SL 70

Dear Ahmad,

This is our response to the additional public comments received by the Florida Building Code commission during the public comment period of your application number FL23502 for the SL 70 System. There are 11 comments listed, and I will respond to them in numerical order.

Comment 1; No parts list My response: There is a 2 page parts list attached to each of the 3 test reports mentioned in the first page of the Evaluation Report titled "Bill of Materials".

Comment 2; No extrusion list or details My response: Each of the 3 test reports has a 5 sheet drawing set attached that shows the details of all the extrusions used in the test units. The evaluation report has 2 sets of 14 sheet drawings attached to it with details included. One set of drawings is for inswing units and the other for outswing units.

Comment 3; Cannot determine daylight opening (DLO) My response: Daylight opening (DLO) is included in the body of each test report on page 3 of 8. It is also included on each set of shop drawings for all units produced by Nana.

Comment 4; No glass setting blocks My response: This was answered in a previous response. Setting blocks are made of hard rubber, and panels greater than 3'-0" in width have 2 setting blocks in them.

Comment 5; No hardware identified My response: Hardware descriptions and locations are on drawings attached to each of the 3 test reports. There is a hardware schedule on Sheet 14 of each drawing set attached to the evaluation report. A hardware list is shown on Sheet 1 of each set of shop drawings that Nana produces.

Comment 6; Frame assembly method and details not shown My response: The frame assembly method is described in the body of each of the 3 test reports. The frame assembly details are shown in the 2 sets of 14 sheet drawings attached to the evaluation report.

Comment 7; No glazing details My response: Tested glazing is described on page 3 of 8 and details are shown on the attached drawings of each test report. Two types of non tested glass were analyzed in the 24 sheet set of calculations done by myself. A description of all 3 types of glass is included in the evaluation report. All Nana shop drawings include description and details of the glass to be used in individual constructions.

Comment 8; Sealants must state make and model My response: The exterior of the specimen frame was sealed to the wood test buck with Dow Corning 791 as stated on page 4 of 8 in all 3 test reports. The only sealant used in the SL 70 system is Cosmofen Duo, a 2 component polyurethane adhesive. After the panel profiles are cut, this sealant is applied to the corner edges before the panel profiles are crimped together. It is made by Weiss Chemie + technik GmbH, located in Haiger, Germany. It is sold in the USA by Weiss USA, LLC located in Monroe, NC.

Comment 9; Interior and exterior not clear My response: The SL 70 System can be either outswing or inswing simply by turning it around in the opening. Outswing means the bifolds go outward, and inswing means the bifolds go inward.

Comment 10; Unknown panel configurations My response: There are an unlimited number of panel configurations possible with the SL 70 system. On sheet 1 of 14 for each of the 2 drawing sets attached to the evaluation report 18 different panel conditions are shown. These are only some possible configurations.

Comment 11; Total frame size is required. Must comply with section 1707.5.1. My response; Within each of the 3 test reports mentioned in the first paragraph of the Evaluation Report, the total frame size is provided. For each unit that Nana produces, the total frame size is provided in the shop drawings. The first sentence in the Evaluation Report states that the testing was done in conformance with section 1709.5.1 of the FBC.

I trust that that this response to the public commentator is sufficient. If anything additional is required, we will respond to it.

Sincerely yours,

*Allen N. Reeves*

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