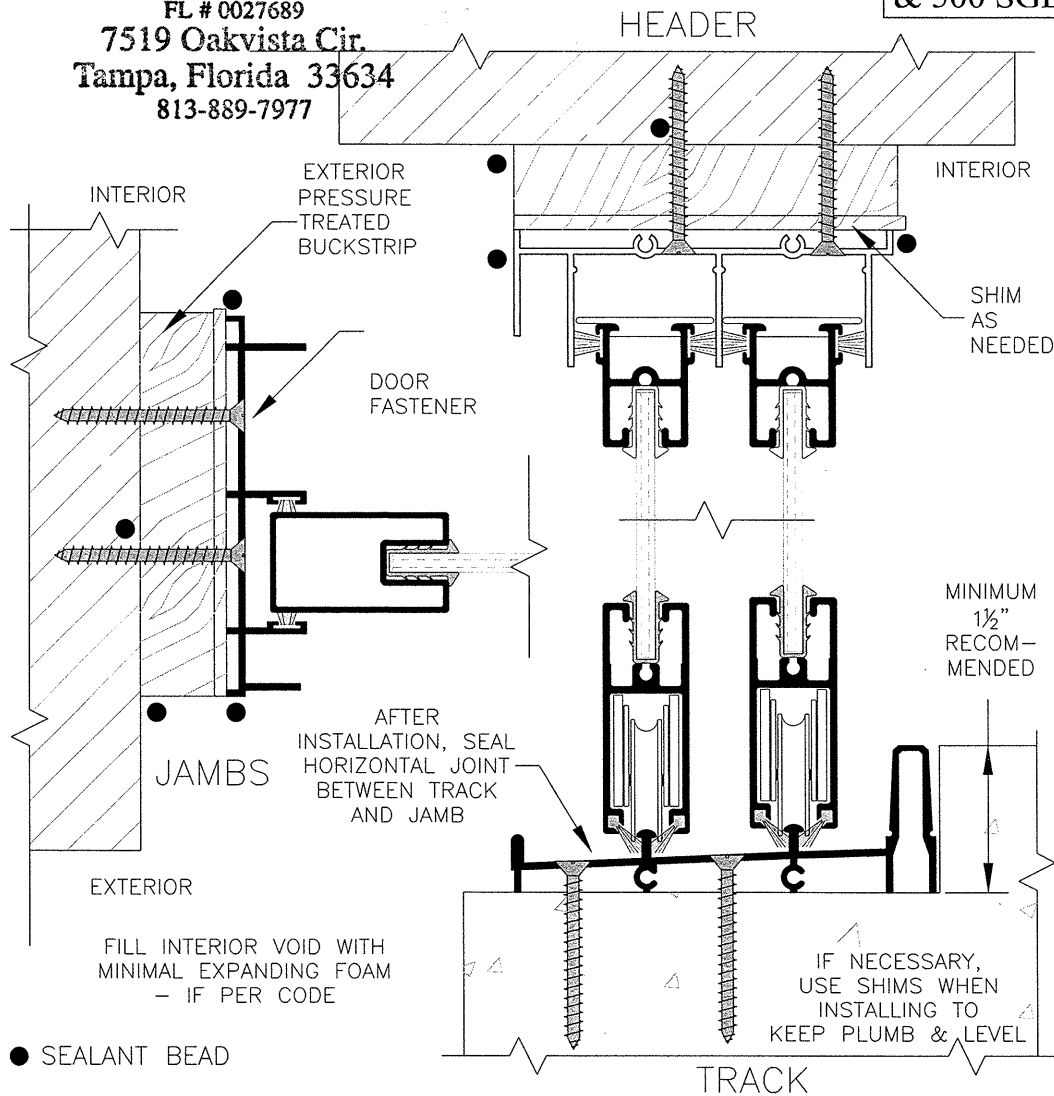


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MAR 06 2002

SERIES 200  
 & 500 SGD

INSTALLATION DETAILS FOR NON-IMPACT, SLIDING GLASS  
 DOORS IN WINDZONES OF 150MPH OR LESS (per FBC 2001)



Buckstrips must be set in a bead of sealant. The exterior joint between the buckstrip and masonry must also be sealed. Buckstrips shall run the entire length of the rough opening, except door sill. All gaps must be sealed. Buckstrips should be pressure treated yellow pine, spruce or comparable lumber. In accordance with the Florida Building Code, a taper, or bevel on the buck is acceptable if the door frame is fully supported by the buckstrip at both the interior and exterior.

If using 3/4" thick wood buckstrips:

Installation fasteners should be a minimum 3/16" X 2 3/4" masonry screws, installed through the door frame and buckstrip, into the masonry. Door may be shimmed as necessary, provided a minimum screw embedment of 1 1/4" is maintained in the masonry. Fasteners should be located a maximum of 4" from each corner and maximum of 18" O.C. The width of the buckstrips should be no less than the frame frame of the door.

If using 1 1/2" thick or greater wood buckstrips (not shown):

Door installation fasteners should be a minimum #10 X 1 1/2" wood screws, installed through the window into the buckstrip. Door may be shimmed as necessary, provided a minimum screw embedment of 1 1/4" is maintained in the buckstrip. Door fasteners should be located a maximum of 4" from each corner and maximum of 18" O.C. The width of the buckstrips should be no less than the frame frame of the door. Buckstrips should be installed using minimum 3/16" X 2 3/4" masonry screws, to maintain 1 1/4" embedment, and be 18" O.C.



The door depicted in this drawing is intended for use on typical construction. It is the responsibility of others to determine if it is applicable. Additional flashing, vapor barriers, etc. may be specified by the project architect. Wind and design pressures vary within each state and county. All products manufactured by NuAir Inc. meet a minimum of 110 mph (R30 DP) wind load requirements (per AAMA 101); please check local building codes for exact requirements.

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# Non-Impact SGD 200 XO Comparative Analysis Table

Panel Size (inches)		Track Sill Height (in)	Panel Call Size	Design Pressure, psf (DP) 1/8" Tempered Glass		Design Pressure, psf (DP) 3/16" Tempered Glass	
Width	Height						
24	80	1.5	2068	+30.0	-79.2	+30.0	-79.2
30			2668	+30.0	-64.6	+30.0	-64.6
36			3068	+30.0	-55.0	+30.0	-55.0
48			4068	+30.0	-37.1	+30.0	-37.1
24	96	1.5	2080	+30.0	-56.0	+30.0	-56.0
30			2680	+30.0	-45.6	+30.0	-45.6
36			3080	+30.0	-38.6	+30.0	-38.6
48			4080	+30.0	-30.0	+30.0	-30.0
24	80	2	2068	+45.0	-79.2	+45.0	-79.2
30			2668	+45.0	-64.6	+45.0	-64.6
36			3068	+45.0	-55.0	+45.0	-55.0
48			4068	+37.1	-37.1	+37.1	-37.1
24	96	2	2080	+45.0	-56.0	+45.0	-56.0
30			2680	+45.0	-45.6	+45.0	-45.6
36			3080	+38.6	-38.6	+38.6	-38.6
48			4080	+30.0	-30.0	+30.0	-30.0
24	80	2.5	2068	+60.0	-79.2	+60.0	-79.2
30			2668	+60.0	-64.6	+60.0	-64.6
36			3068	+55.0	-55.0	+55.0	-55.0
48			4068	+37.1	-37.1	+37.1	-37.1
24	96	2.5	2080	+56.0	-56.0	+56.0	-56.0
30			2680	+45.6	-45.6	+45.6	-45.6
36			3080	+38.6	-38.6	+38.6	-38.6
48			4080	+30.0	-30.0	+30.0	-30.0
24	80	3	2068	+75.0	-79.2	+75.0	-79.2
30			2668	+64.6	-64.6	+64.6	-64.6
36			3068	+55.0	-55.0	+55.0	-55.0
48			4068	+37.1	-37.1	+37.1	-37.1
24	96	3	2080	+56.0	-56.0	+56.0	-56.0
30			2680	+45.6	-45.6	+45.6	-45.6
36			3080	+38.6	-38.6	+38.6	-38.6
48			4080	+30.0	-30.0	+30.0	-30.0

Test Specifications : AAMA 101-97  
 Referenced Test Report # : 443 W-2 & W3R  
 Notice of Product Certification # : NI 004636 & A  
 Air Infiltration @1.57 PSF (ASTM E283) : 0.32 cfm/ft<sup>2</sup>  
 Water Resistance (ASTM E547/331) : Varies w/track  
 Positive Structural Uniform Load (ASTM E330) : Varies w/size tested  
 Negative Structural Uniform Load (ASTM E330) : Varies w/size tested  
 Forced Entry Resistance, FER (AAMA 1302.5) : Passed  
 Operating Force (AAMA 101-97) : Passed  
 Deglazing Resistance (ASTM E987) : Passed  
 NuAir Inc. Maximum Design Pressure, (self-imposed) : 80 psf  
 Design Factor : 1.5  
 Expires : 8/8/2003

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# Non-Impact SGD 200 w/3 or More Panels Comparative Analysis Table

Panel Size (inches)		Track Sill Height (in)	Panel Call Size	Design Pressure, psf (DP) 1/8" Tempered Glass		Design Pressure, psf (DP) 3/16" Tempered Glass	
Width	Height						
24	80	1.5	2068	+30.0	-68.0	+30.0	-68.0
30			2668	+30.0	-55.6	+30.0	-55.6
36			3068	+30.0	-47.3	+30.0	-47.3
48			4068	+30.0	-37.0	+30.0	-37.0
24	96	1.5	2080	+30.0	-50.0	+30.0	-50.0
30			2680	+30.0	-45.6	+30.0	-45.6
36			3080	+30.0	-38.6	+30.0	-38.6
48			4080	+30.0	-30.0	+30.0	-30.0
24	80	2	2068	+45.0	-68.0	+45.0	-68.0
30			2668	+45.0	-55.6	+45.0	-55.6
36			3068	+45.0	-47.3	+45.0	-47.3
48			4068	+37.0	-37.0	+37.0	-37.0
24	96	2	2080	+45.0	-50.0	+45.0	-50.0
30			2680	+45.0	-45.6	+45.0	-45.6
36			3080	+38.6	-38.6	+38.6	-38.6
48			4080	+30.0	-30.0	+30.0	-30.0
24	80	2.5	2068	+60.0	-68.0	+60.0	-68.0
30			2668	+55.6	-55.6	+55.6	-55.6
36			3068	+47.3	-47.3	+47.3	-47.3
48			4068	+37.0	-37.0	+37.0	-37.0
24	96	2.5	2080	+50.0	-50.0	+50.0	-50.0
30			2680	+45.6	-45.6	+45.6	-45.6
36			3080	+38.6	-38.6	+38.6	-38.6
48			4080	+30.0	-30.0	+30.0	-30.0
24	80	3	2068	+68.0	-68.0	+68.0	-68.0
30			2668	+55.6	-55.6	+55.6	-55.6
36			3068	+47.3	-47.3	+47.3	-47.3
48			4068	+37.0	-37.0	+37.0	-37.0
24	96	3	2080	+50.0	-50.0	+50.0	-50.0
30			2680	+45.6	-45.6	+45.6	-45.6
36			3080	+38.6	-38.6	+38.6	-38.6
48			4080	+30.0	-30.0	+30.0	-30.0

Test Specifications : AAMA 101-97

Referenced Test Report # : 443 W-0

Notice of Product Certification # : NI 004674/A

Air Infiltration @1.57 PSF (ASTM E283) : 0.32 cfm/ft<sup>2</sup>

Water Resistance (ASTM E547/331) : Varies w/track

Positive Structural Uniform Load (ASTM E330) : 45 psf (TP)

Negative Structural Uniform Load (ASTM E330) : 45 psf (TP)

Forced Entry Resistance, FER (AAMA 1302.5) : Passed

Operating Force (AAMA 101-97) : Passed

Deglazing Resistance (ASTM E987) : Passed

NuAir Inc. Maximum Design Pressure, (self-imposed) : 80 psf

Design Factor : 1.5

Expires : 8/8/2004

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