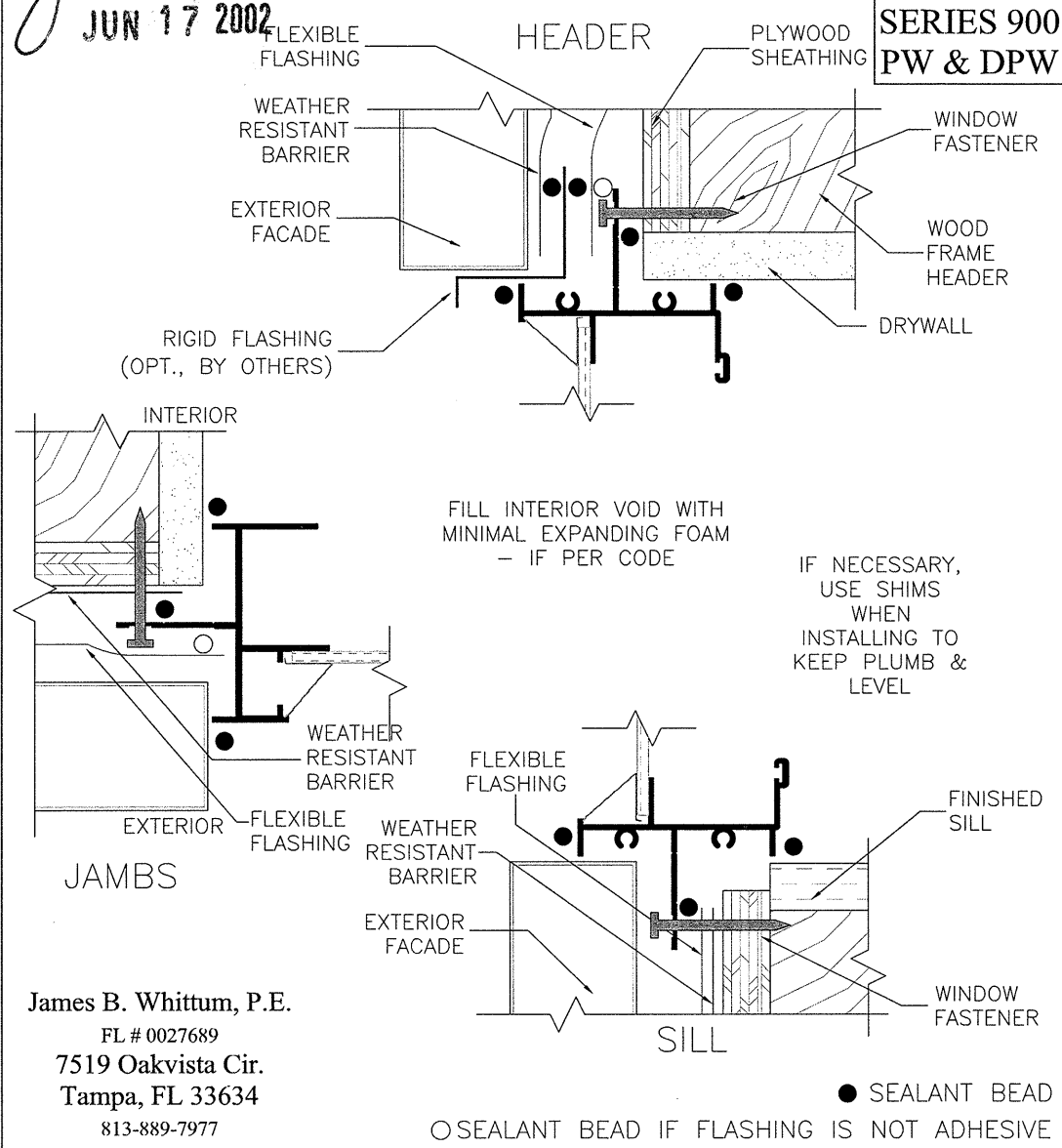


*James B. Whittum*  
 JUN 17 2002

**SERIES 900  
 PW & DPW**



INSTALLATION DETAILS FOR NON-IMPACT, FIN, FIXED WINDOWS IN WINDZONES OF 150MPH OR LESS (per FBC 2001)

Window Installation:

Use the chart below as a guideline in selecting the appropriate window fastener. Note that fasteners should be located at no more than 4" from the corner of the window.

It is recommended that all screws or nails be sealed to prevent infiltration of air and water. Product may be shimmed as necessary.

**Wood/Drywall/Decking Screws or Common Nail**

Fastener Diameter	Fastener Length	Maximum Design Pressure	Center-to-Center Fastener Distance
# 6 Screw	2"	+/- 45 psf	33 1/2"
# 6 Screw	2"	+/- 80 psf	19"
8d Nail	2 1/2"	+/- 45 psf	14 1/2"
8d Nail	2 1/2"	+/- 80 psf	8"

Weatherproofing:

Flexible flashing should be installed in a weatherboard fashion. The top layer should overlay any layer beneath it. The weather resistant barrier should then cover the flexible flashing at the header.

The application of the weather resistant barrier will vary based on when it is installed. If it is installed after the window, it should be tucked under the sill flashing and overlap the jambs and head flashing.

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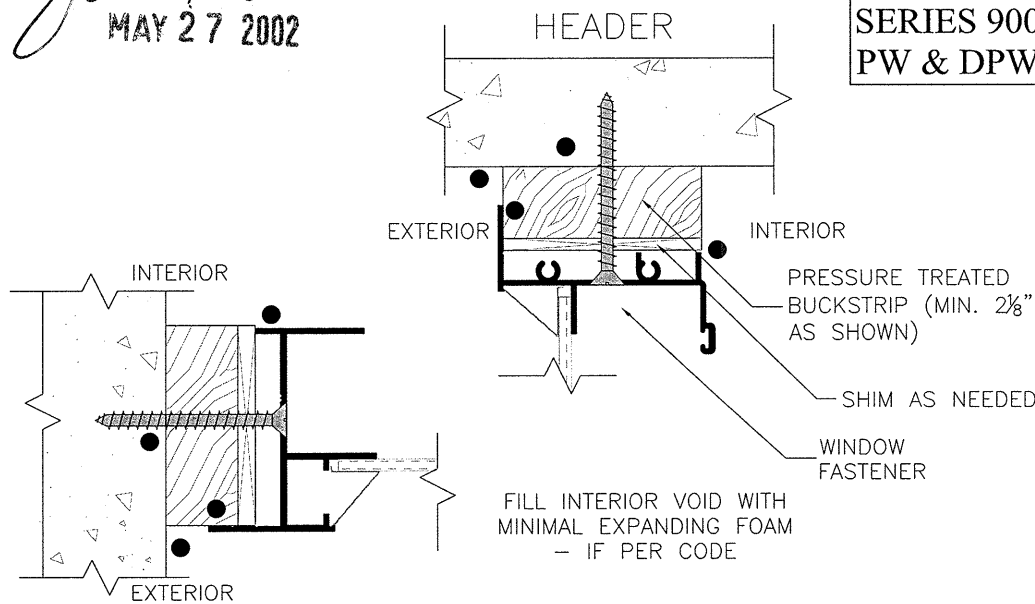
The product depicted in this drawing is intended for use on typical construction. It is the responsibility of others to determine if it is applicable. Additional flashing, vapor barriers, etc. may be specified by the project architect. Wind and design pressures vary within each state and county. All 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.

Tampa, FL • (800) 282-6627 • www.NuAir.com

*James B. Whittum*  
MAY 27 2002

**SERIES 900  
PW & DPW**

INSTALLATION DETAILS FOR NON-IMPACT, FLANGE, FIXED  
WINDOWS 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. A buckstrip is not necessary at the sill if it is pre-cast. 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 window 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 2-1/4" masonry screws, installed through the window and buckstrip, into the masonry. Window 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. It is recommended that fasteners not be installed through the sill of the window. The actual size of the buckstrips should be no less than 3/4" X 2-1/8".

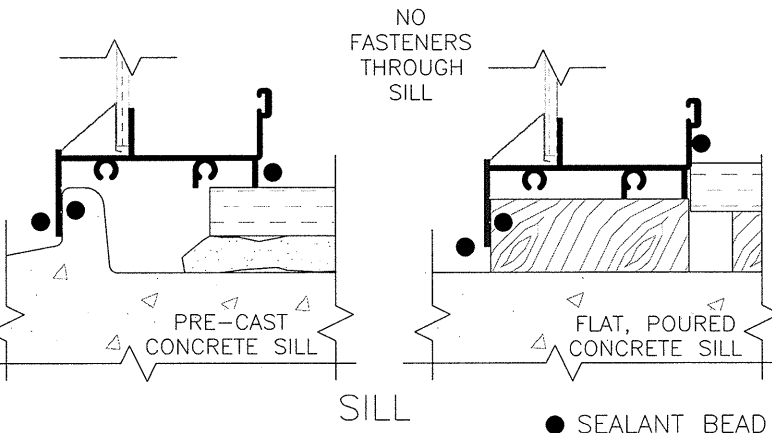
If using 1-1/2" thick or greater wood buckstrips (not shown):

Window installation fasteners should be a minimum #10 X 1-1/2" wood screws, installed through the window into the buckstrip. Window may be shimmed as necessary, provided a minimum screw embedment of 1-1/4" is maintained in the buckstrip. Window fasteners should be located a maximum of 4" from each corner and maximum of 18" O.C. It is recommended that fasteners not be installed through the sill of the window. The actual size of the buckstrips should be no less than 1-1/2" X 2-1/8". 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.

JAMBS

IF NECESSARY,  
USE SHIMS  
WHEN  
INSTALLING TO  
KEEP PLUMB &  
LEVEL

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The product 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 Picture & Designer Window Comparative Analysis Table

Buck Size (inches)		Call Size	Design Pressure (DP), psf per Glass Type								
Width	Height		1/8" An.	1/8" I.G.	1/8" T.	3/16" An.	3/16" I.G.	3/16" T.	1/4" An.	1/4" I.G.	1/4" T.
18.125	25	12	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
25.5		1A2	<b>+/-67.5</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
36		22	<b>+/-51.6</b>	+/-80.0	+/-80.0	<b>+/-73.0</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
52.125		32	<b>+/-30.7</b>	<b>+/-55.3</b>	+/-80.0	<b>+/-59.8</b>	+/-80.0	+/-80.0	<b>+/-79.6</b>	+/-80.0	+/-80.0
73		42	<b>+/-19.9</b>	<b>+/-35.8</b>	<b>+/-79.6</b>	<b>+/-49.0</b>	+/-80.0	+/-80.0	<b>+/-63.3</b>	+/-80.0	+/-80.0
18.125	37.375	13	<b>+/-55.5</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
25.5		1A3	<b>+/-48.7</b>	+/-80.0	+/-80.0	<b>+/-71.1</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
36		23	<b>+/-39.8</b>	<b>+/-71.6</b>	+/-80.0	<b>+/-61.5</b>	+/-80.0	+/-80.0	<b>+/-79.6</b>	+/-80.0	+/-80.0
52.125		33	<b>+/-27.5</b>	<b>+/-49.5</b>	+/-80.0	<b>+/-43.8</b>	<b>+/-78.8</b>	+/-80.0	<b>+/-54.9</b>	+/-80.0	+/-80.0
73		43	<b>+/-19.4</b>	<b>+/-34.9</b>	<b>+/-77.6</b>	<b>+/-28.1</b>	<b>+/-50.6</b>	+/-80.0	<b>+/-36.5</b>	<b>+/-65.7</b>	+/-80.0
18.125	49.625	14	<b>+/-44.5</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
25.5		1A4	<b>+/-32.2</b>	<b>+/-58.0</b>	+/-80.0	<b>+/-62.1</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
36		24	<b>+/-30.7</b>	<b>+/-55.3</b>	+/-80.0	<b>+/-46.4</b>	+/-80.0	+/-80.0	<b>+/-57.7</b>	+/-80.0	+/-80.0
52.125		34	<b>+/-20.8</b>	<b>+/-37.4</b>	+/-80.0	<b>+/-38.7</b>	<b>+/-69.7</b>	+/-80.0	<b>+/-47.3</b>	+/-80.0	+/-80.0
73		44	<b>+/-15.6</b>	<b>+/-28.1</b>	<b>+/-62.4</b>	<b>+/-27.3</b>	<b>+/-49.1</b>	+/-80.0	<b>+/-32.5</b>	<b>+/-58.5</b>	+/-80.0
18.125	62	15	<b>+/-40.5</b>	<b>+/-72.9</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
25.5		1A5	<b>+/-23.9</b>	<b>+/-43.0</b>	+/-80.0	<b>+/-55.5</b>	+/-80.0	+/-80.0	<b>+/-71.8</b>	+/-80.0	+/-80.0
36		25	<b>+/-23.7</b>	<b>+/-42.7</b>	+/-80.0	<b>+/-35.7</b>	<b>+/-64.3</b>	+/-80.0	<b>+/-45.8</b>	+/-80.0	+/-80.0
52.125		35	<b>+/-17.6</b>	<b>+/-31.7</b>	<b>+/-70.4</b>	<b>+/-31.4</b>	<b>+/-56.5</b>	+/-80.0	<b>+/-38.7</b>	<b>+/-69.7</b>	+/-80.0
73		45	<b>+/-12.8</b>	<b>+/-23.0</b>	<b>+/-51.2</b>	<b>+/-23.6</b>	<b>+/-42.5</b>	+/-80.0	<b>+/-30.1</b>	<b>+/-54.2</b>	+/-80.0
24	24	2020	<b>+/-74.1</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
36		3020	<b>+/-52.0</b>	+/-80.0	+/-80.0	<b>+/-76.3</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
48		4020	<b>+/-34.8</b>	<b>+/-62.6</b>	+/-80.0	<b>+/-65.2</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
60		5020	<b>+/-25.5</b>	<b>+/-45.9</b>	+/-80.0	<b>+/-60.8</b>	+/-80.0	+/-80.0	<b>+/-77.1</b>	+/-80.0	+/-80.0
72		6020	<b>+/-21.6</b>	<b>+/-38.9</b>	+/-80.0	<b>+/-46.1</b>	+/-80.0	+/-80.0	<b>+/-77.8</b>	+/-80.0	+/-80.0
24	36	2030	<b>+/-51.2</b>	+/-80.0	+/-80.0	<b>+/-76.4</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
36		3030	<b>+/-41.7</b>	<b>+/-75.1</b>	+/-80.0	<b>+/-63.3</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
48		4030	<b>+/-31.0</b>	<b>+/-55.8</b>	+/-80.0	<b>+/-48.9</b>	+/-80.0	+/-80.0	<b>+/-61.0</b>	+/-80.0	+/-80.0
60		5030	<b>+/-25.3</b>	<b>+/-45.5</b>	+/-80.0	<b>+/-37.4</b>	<b>+/-67.3</b>	+/-80.0	<b>+/-47.4</b>	+/-80.0	+/-80.0
72		6030	<b>+/-20.0</b>	<b>+/-36.0</b>	+/-80.0	<b>+/-28.7</b>	<b>+/-51.7</b>	+/-80.0	<b>+/-38.1</b>	<b>+/-68.6</b>	+/-80.0
24	48	2040	<b>+/-34.6</b>	<b>+/-62.3</b>	+/-80.0	<b>+/-66.2</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
36		3040	<b>+/-30.8</b>	<b>+/-55.4</b>	+/-80.0	<b>+/-48.5</b>	+/-80.0	+/-80.0	<b>+/-60.7</b>	+/-80.0	+/-80.0
48		4040	<b>+/-24.0</b>	<b>+/-43.2</b>	+/-80.0	<b>+/-42.0</b>	<b>+/-75.6</b>	+/-80.0	<b>+/-51.3</b>	+/-80.0	+/-80.0
60		5040	<b>+/-19.5</b>	<b>+/-35.1</b>	<b>+/-78.0</b>	<b>+/-34.4</b>	<b>+/-61.9</b>	+/-80.0	<b>+/-41.0</b>	<b>+/-73.8</b>	+/-80.0
72		6040	<b>+/-16.4</b>	<b>+/-29.5</b>	<b>+/-65.6</b>	<b>+/-28.0</b>	<b>+/-50.4</b>	+/-80.0	<b>+/-33.6</b>	<b>+/-60.5</b>	+/-80.0
24	60	2050	<b>+/-25.5</b>	<b>+/-45.9</b>	+/-80.0	<b>+/-60.9</b>	+/-80.0	+/-80.0	<b>+/-78.2</b>	+/-80.0	+/-80.0
36		3050	<b>+/-24.8</b>	<b>+/-44.6</b>	+/-80.0	<b>+/-37.2</b>	<b>+/-67.0</b>	+/-80.0	<b>+/-47.5</b>	+/-80.0	+/-80.0
48		4050	<b>+/-19.5</b>	<b>+/-35.1</b>	<b>+/-78.0</b>	<b>+/-34.0</b>	<b>+/-61.2</b>	+/-80.0	<b>+/-40.7</b>	<b>+/-73.3</b>	+/-80.0
60		5050	<b>+/-15.4</b>	<b>+/-27.7</b>	<b>+/-61.6</b>	<b>+/-29.6</b>	<b>+/-53.3</b>	+/-80.0	<b>+/-38.0</b>	<b>+/-68.4</b>	+/-80.0
72		6050	<b>+/-13.3</b>	<b>+/-23.9</b>	<b>+/-53.2</b>	<b>+/-24.4</b>	<b>+/-43.9</b>	+/-80.0	<b>+/-30.9</b>	<b>+/-55.6</b>	+/-80.0
24	72	2060	<b>+/-22.4</b>	<b>+/-40.3</b>	+/-80.0	<b>+/-49.0</b>	+/-80.0	+/-80.0	+/-80.0	+/-80.0	+/-80.0
36		3060	<b>+/-19.7</b>	<b>+/-35.5</b>	<b>+/-78.8</b>	<b>+/-28.9</b>	<b>+/-52.0</b>	+/-80.0	<b>+/-38.7</b>	<b>+/-69.7</b>	+/-80.0
48		4060	<b>+/-16.4</b>	<b>+/-29.5</b>	<b>+/-65.6</b>	<b>+/-27.6</b>	<b>+/-49.7</b>	+/-80.0	<b>+/-33.2</b>	<b>+/-59.8</b>	+/-80.0
60		5060	<b>+/-13.3</b>	<b>+/-23.9</b>	<b>+/-53.2</b>	<b>+/-25.6</b>	<b>+/-46.1</b>	+/-80.0	<b>+/-31.4</b>	<b>+/-56.5</b>	+/-80.0
72		6060	<b>+/-11.3</b>	<b>+/-20.3</b>	<b>+/-45.2</b>	<b>+/-21.7</b>	<b>+/-39.1</b>	+/-80.0	<b>+/-28.9</b>	<b>+/-52.0</b>	+/-80.0

Numbers in **Bold** denote ASTM E1300 limitations as required by FBC 2001.

Test Specifications : AAMA 101-97

Referenced Test Report # : 277W-R

Notice of Product Certification # : NI 004118/A-C Exp. 11/31/02

Air Infiltration @1.57 PSF (ASTM E283) : 0.00 cfm/ft<sup>2</sup>

Water Resistance (ASTM E547/331) : 16.0 psf

Positive/Negative Structural Uniform Load (ASTM E330) : Varies w/glass & size tested

Forced Entry Resistance, FER (ASTM E588) : Passed

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

Design Factor : 1.5

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MAY 27 2002

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