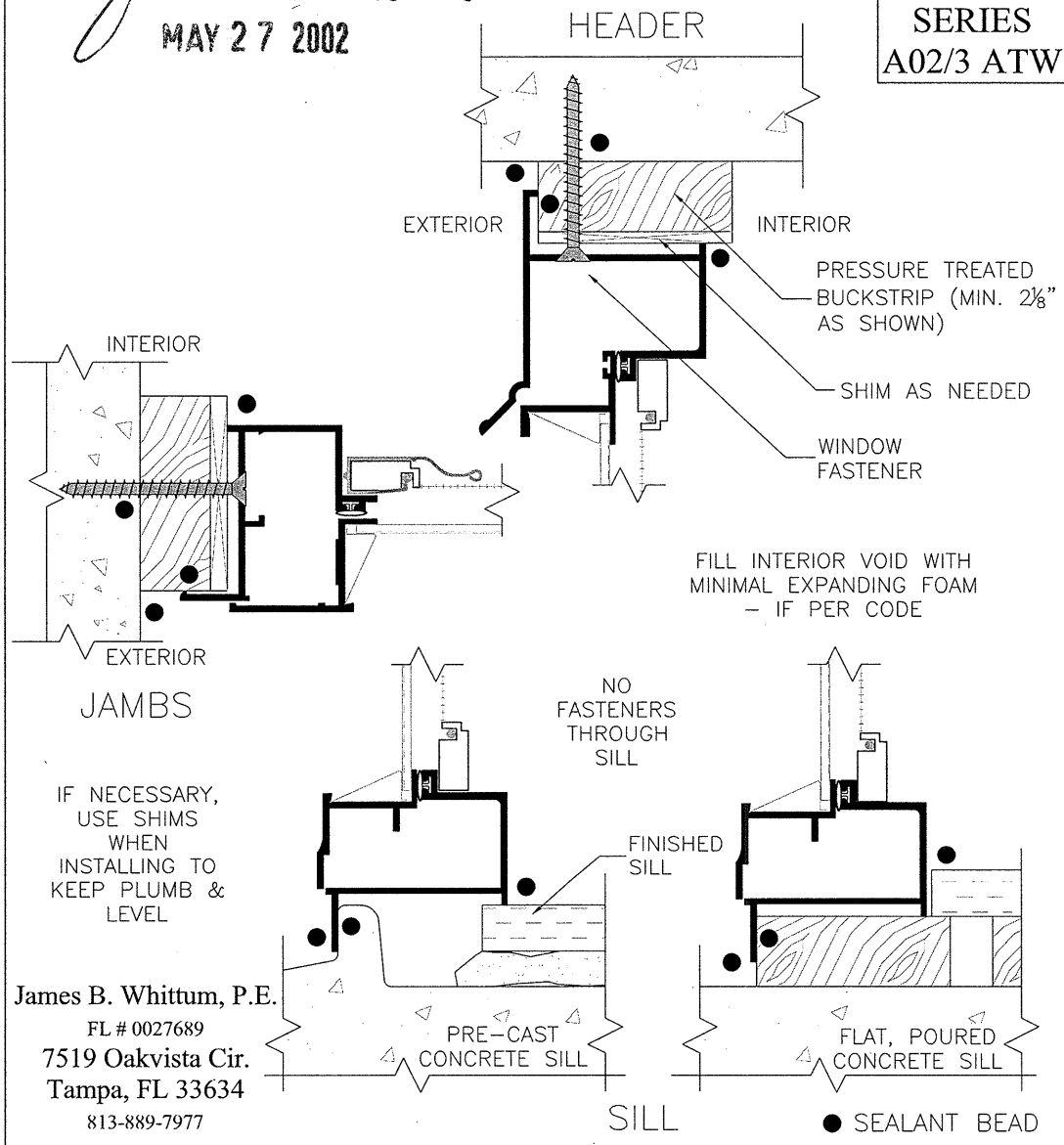


James B. Whittum
 MAY 27 2002

**SERIES
 A02/3 ATW**

**INSTALLATION DETAILS FOR NON-IMPACT, FLANGE, AWNING
 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.

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

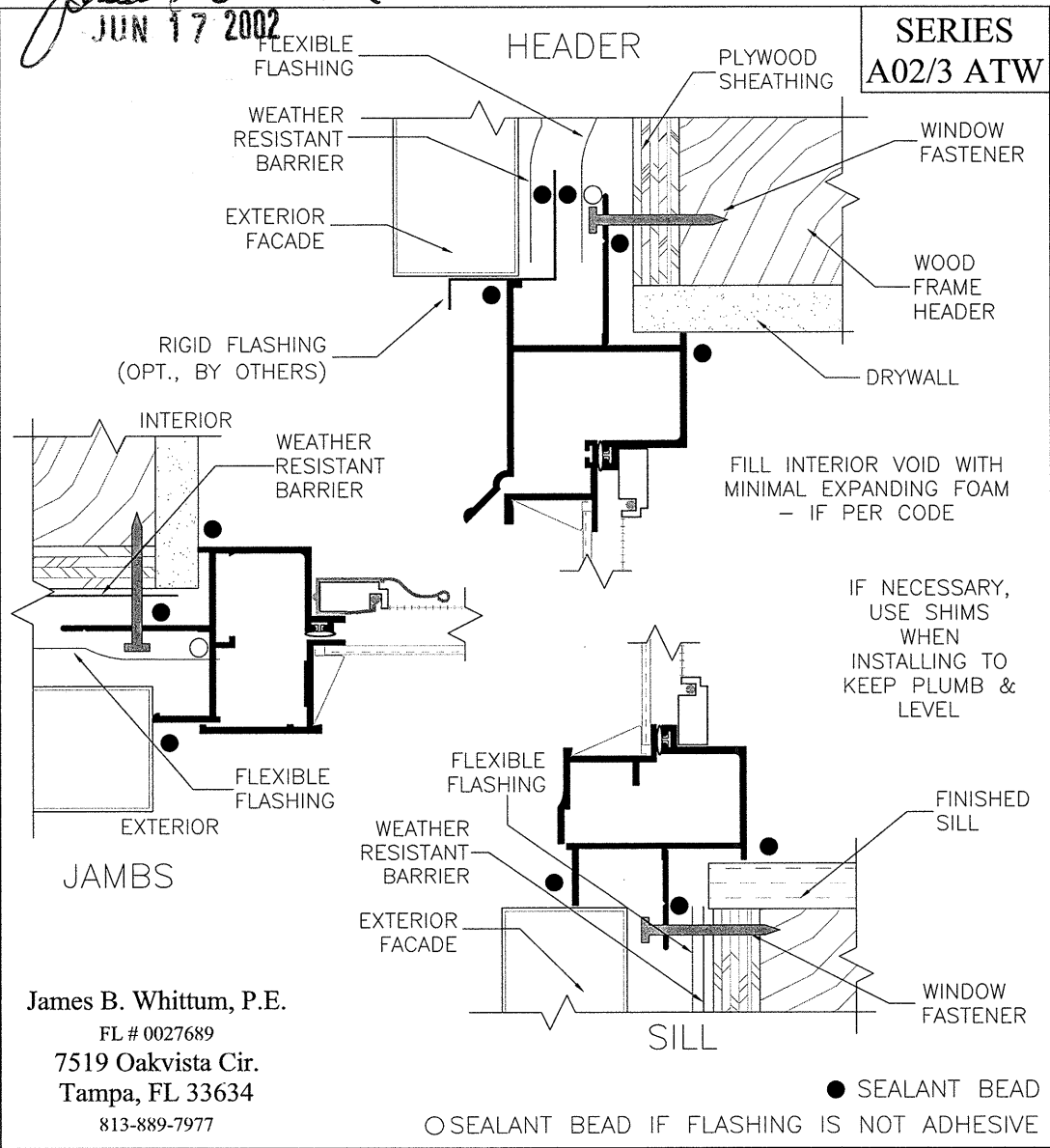
James B. Whittum, P.E.
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 7519 Oakvista Cir.
 Tampa, FL 33634
 813-889-7977



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
 JUN 17 2002



**SERIES
A02/3 ATW**

INSTALLATION DETAILS FOR NON-IMPACT, FIN, AWNING
 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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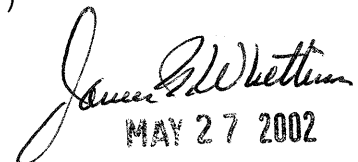
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Non-Impact Awning A02/3 Comparative Analysis Table

Buck Size (inches)		Call Size	Design Pressure, psf (DP)		Design Pressure, psf (DP)	
Width	Height		3/32" An.	3/32" Temp.	1/8" An.	1/8" Temp.
Com. Standard Vent (20" high or less)						
25.5	25	1A2	+50.0/-74.9	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
36		22	+50.0/-58.1	+50.0/-75.4	+50.0/-75.4	+50.0/-75.4
52.125		32	+48.9/-48.9	+49.0/-49.0	+49.0/-49.0	+49.0/-49.0
25.5	37.375	1A3	+50.0/-61.2	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
36		23	+38.4/-38.4	+50.0/-55.9	+50.0/-55.6	+50.0/-55.9
52.125		33	+24.2/-24.2	+35.0/-35.0	+35.0/-35.0	+35.0/-35.0
25.5	49.625	1A4	+50.0/-61.2	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
36		24	+40.1/-40.1	+50.0/-60.6	+50.0/-60.6	+50.0/-60.6
52.125		34	+27.8/-27.8	+38.5/-38.5	+38.5/-38.5	+38.5/-38.5
25.5	62	1A5	+50.0/-60.4	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
36		25	+41.6/-41.6	+50.0/-63.5	+50.0/-63.5	+50.0/-63.5
52.125		35	+29.8/-29.8	+40.6/-40.6	+40.6/-40.6	+40.6/-40.6
25.5	72	1A6	+50.0/-61.7	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
36		26	+44.9/-44.9	+50.0/-58.5	+50.0/-58.5	+50.0/-58.5
52.125		36	+35.0/-35.0	+38.7/-38.7	+38.7/-38.7	+38.7/-38.7
Commodity Small Vent (12" high or less)						
25.5	25	1A2	+50.0/-74.9	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
36		22	+50.0/-58.1	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
52.125		32	+50.0/-53.0	+50.0/-57.4	+50.0/-57.4	+50.0/-57.4
25.5	37.375	1A3	+50.0/-72.1	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
36		23	+50.0/-55.8	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
52.125		33	+50.0/-51.0	+50.0/-57.4	+50.0/-57.4	+50.0/-57.4
25.5	49.625	1A4	+50.0/-71.1	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
36		24	+50.0/-54.8	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
52.125		34	+50.0/-50.0	+50.0/-57.4	+50.0/-57.4	+50.0/-57.4
25.5	62	1A5	+50.0/-71.1	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
36		25	+50.0/-55.8	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
52.125		35	+50.0/-51.0	+50.0/-57.4	+50.0/-57.4	+50.0/-57.4
25.5	72	1A6	+50.0/-73.2	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
36		26	+50.0/-56.7	+50.0/-80.0	+50.0/-80.0	+50.0/-80.0
52.125		36	+50.0/-50.0	+50.0/-57.4	+50.0/-57.4	+50.0/-57.4

Test Specifications : AAMA 101-97
 Referenced Test Report # : 361 W-12 & 15
 Notice of Product Certification # : NI 004281 & A
 Air Infiltration @1.57 PSF (ASTM E283) : 0.20 cfm/ft²
 Water Resistance (ASTM E547/331) : 7.5 psf
 Positive Structural Uniform Load (ASTM E330) : 67.5, 45.0 psf (TP)
 Negative Structural Uniform Load (ASTM E330) : 67.5, 45.0 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 : 1/14/2003


 MAY 27 2002

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