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FIELD REPORT 0806 - 07

JUNE 11, 2008

San Antonio Housing Authority
457 Precious
P.O. Box 831529
San Antonio, Texas 78283 - 1529

PROJECT Testing of windows and structural wall area at the perimeter of the window unit for verification of resistance to water penetration. Exterior wall material had been removed and new flashing material installed between the window frame and structural wall material. Some of the existing sliding window units had been removed and new units installed. Exterior finish wall materials reinstalled, sealed and repainted.

Water penetration testing conducted June 6, 9, 10, and 11, 2008 by applying test water to the exterior surface of the construction joint between the installed window unit frames and the adjacent wall construction. The test water also covered the window frame and perimeter glazing joints.

PROCEDURE: Water penetration test conducted following the AAMA 501. 2 Field Check procedure. In this procedure, The water is applied through a specific nozzle at a nozzle inlet pressure of 30 psi. The nozzle is held one foot away from and perpendicular to the surface to be tested, it is move back and forth allowing the water to be applied to five feet of surface for a period of five minutes. Interior surfaces are under observation during the test water application.

DATE	TEST LOCATIONS
June 6, 2008	No. 6. Residence at 514 Mathews No. 7 Residence at 4019 San Luis
June 9, 2008	No. 8. Residence at 127 Villa Grande
June 10, 2008	No. 9. Residence at 4026 El Paso No. 10 Residence at 4136 El Paso
June 11, 2008	No. 11 Residence at 1603 NW 26 Th. Street

Seven pages recording the test water locations and time at each residence are attached. Points of water penetration observed are noted on these pages.

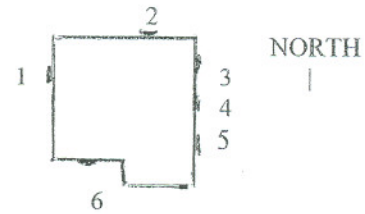
End of report


George J. Muyres
Vice President, GJM Consulting, Inc.

TWO 3'-0" x 5'-0" SINGLE HUNG UNITS

June 11, 2008
 TEST LOCATION No 11
 1603 NW 26th Street

SCHMATIC plan of residence with
 location of windows tested indicated



PAGE 1 of 2

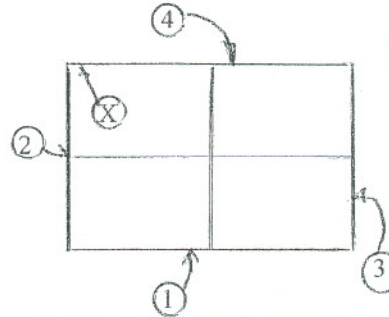
Water pressure at test unit inlet 30 psi

WINDOW NUMBER 1

Water Applied

- 1 9:09 AM - 9:15 AM - 6 minutes
- 2 9:15 AM - 9:20 AM - 5 minutes
- 3 9:20 AM - 9:25 AM - 5 minutes
- 4 9:25 AM - 9:31 AM - 6 minutes

No water penetration to the interior
 Between window frame and wall observed



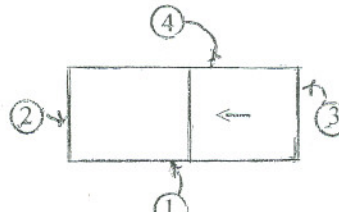
2 3' 0" x 5' 0" SINGLE HUNG UNITS

WINDOW NUMBER 2

Water Applied

- 1 9:32 AM - 9:37 AM - 5 minutes
- 2 9:37 AM - 9:40 AM - 3 minutes
- 3 9:40 AM - 9:43 AM - 3 minutes
- 4 9:43 AM - 9:49 AM - 5 minutes

No water penetration to the interior observed .



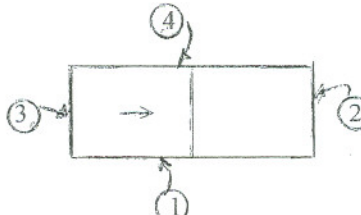
3'-0" x 5'-0" SLIDING WINDOW

WINDOW NUMBER 3

Water Applied

- 1 9:50 AM - 9:55 AM - 5 minutes
- 2 9:55 AM - 9:58 AM - 3 minutes
- 3 9:58 AM - 10:01 AM - 3 minutes
- 4 10:01 AM - 10:06 AM - 5 minutes

No water penetration to the interior observed .



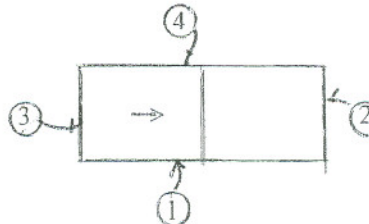
3'-0" x 5'-0" SLIDING WINDOW

WINDOW NUMBER 4

Water Applied

- 1 10:07 AM - 10:12 AM - 5 minutes
- 2 10:12 AM - 10:15 AM - 3 minutes
- 3 10:15 AM - 10:18 AM - 3 minutes
- 4 10:18 AM - 10:23 AM - 5 minutes

No water penetration to the interior observed



3'-0" x 5'-0" SLIDING WINDOW

June 11, 2008

TEST LOCATION No 11

1603 NW 26th Street

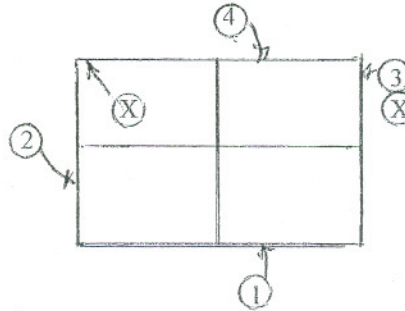
PAGE 2. of 2

WINDOW NUMBER 5

Water Applied

- 1 10:24 AM - 10:30 AM - 6 minutes
- 2 10:30 AM - 10:35 AM - 5 minutes
- 3 10:35 AM - 10:40 AM - 5 minutes
- 4 10:40 AM - 10:46 AM - 6 minutes

No water penetration to the interior
between window frame and wall observed



- Application 3
Water on interior of
glass 1" from jamb
flows down to top of
vent panel.
- Application 4 no
water penetration

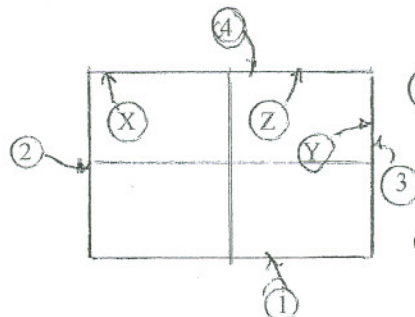
TWO 3'-0" x 5'-0" SINGLE HUNG UNITS

WINDOW NUMBER 6

Water Applied

- 1 10:48 AM - 10:54 AM - 6 minutes
- 2 10:54 AM - 10:59 AM - 5 minutes
- 3 10:59 AM - 11:04 AM - 3 minutes
- 4 11:04 AM - 11:10 AM - 6 minutes

No water penetration to the interior
between window frame and wall observed



- Application 2
Water on glass.
No water during
application 4
- Water between glass
and frame at bottom
half of glass
- Water on interior
of glass 10 inches
from jamb.
Top of glass can
be moved by
pushing on glass

TWO 3'-0" x 5'-0" SINGLE HUNG UNITS