



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

American Storm Shutters, Inc.
14441 Arlington Place
Davie, FL 33325

Your application for Notice of Acceptance (NOA) of:

0.063" Aluminum Storm Panels Shutter

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0628.03
EXPIRES: 06/29/2006

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 08/16/2001



American Storm Shutters, Inc.

ACCEPTANCE No. : 01-0628.03

APPROVED : 08/16/2001

EXPIRES : 06/29/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This renews the Notice of Acceptance No. 98-0702.01, which was issued on March 04, 1999. It approves an 0.063" aluminum storm panel shutter, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

This 0.063" aluminum storm panel shutter and its components shall be constructed in strict compliance with the following documents: Drawing No. SP-2, prepared by Vipin N. Tolat, P.E., dated May 16, 1995, sheets 1 through 3 of 3, bearing the Miami-Dade County Product Control Approval and Renewal stamps with the Notice of Acceptance numbers and approval dates by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

All permanent set components, included but not limited to embedded anchor bolts, threaded cones, metal shields, headers and sills, must be protected against corrosion, contamination and damage at all times.

4. INSTALLATION

This 0.063" aluminum storm panel shutter and its components shall be installed in strict compliance with the approved drawings.

5. LABELING

Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".

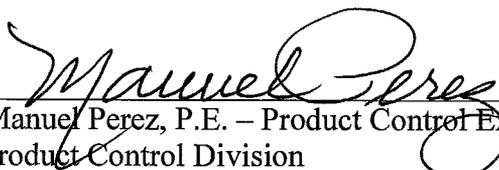
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E. – Product Control Examiner
Product Control Division

American Storm Shutters, Inc.

ACCEPTANCE No. : 01-0628.03

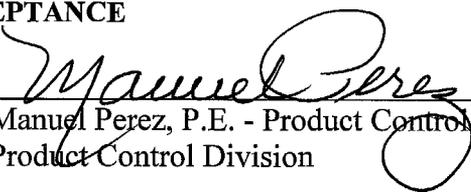
APPROVED : 08/16/2001

EXPIRES : 06/29/2006

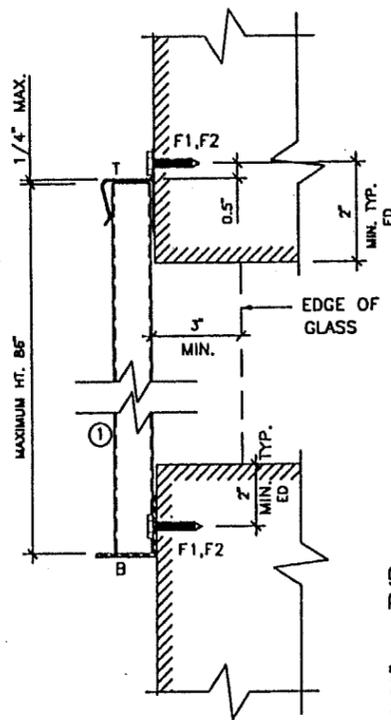
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
 - b. The product is no longer the same product (identical) as the one originally approved.
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
 - d. The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process.
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

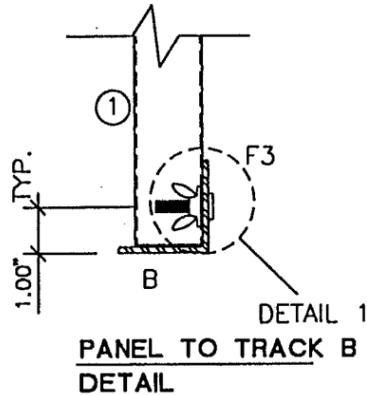
END OF THIS ACCEPTANCE



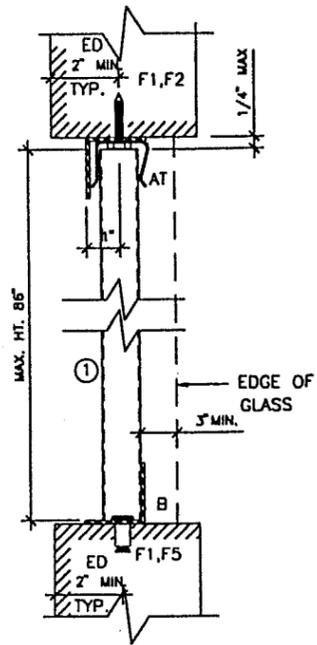
Manuel Perez, P.E. - Product Control Examiner
Product Control Division



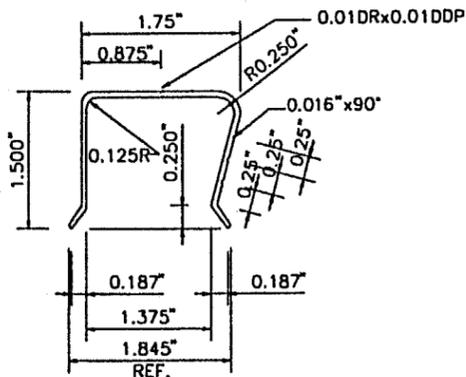
WALL MOUNT



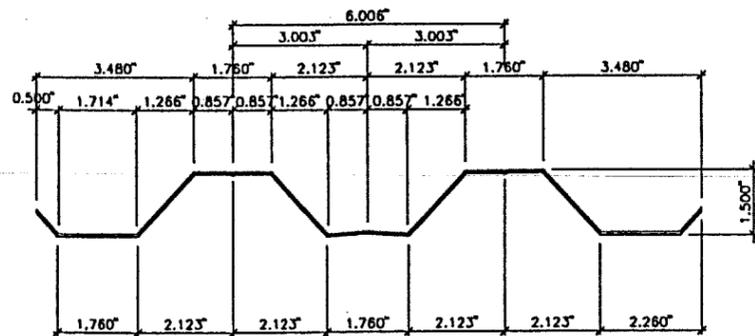
DETAIL 1
PANEL TO TRACK B
DETAIL



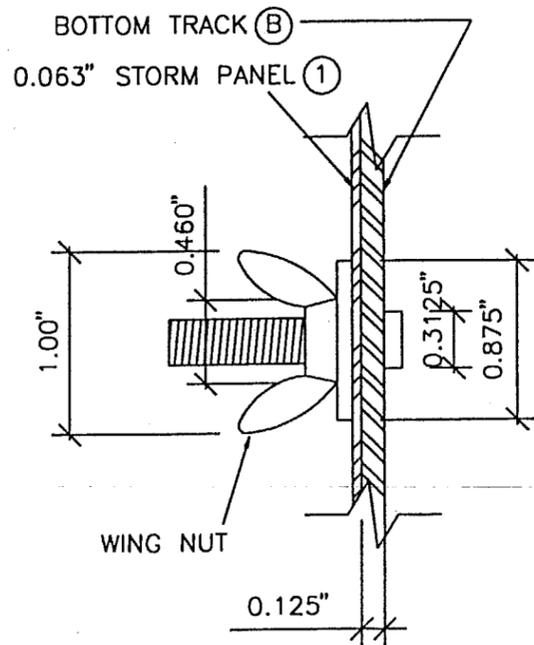
FLOOR/CEILING
MOUNT



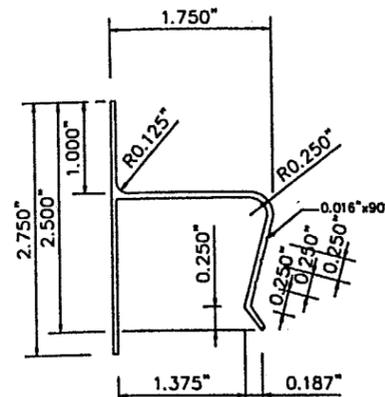
ALTERNATE TOP TRACK, AT
6063-T5
WALL THK. 0.064 IN.



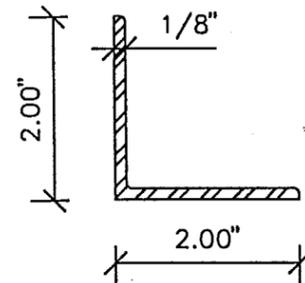
STORM PANEL, WALL THK. 0.063 IN.
5052-H32



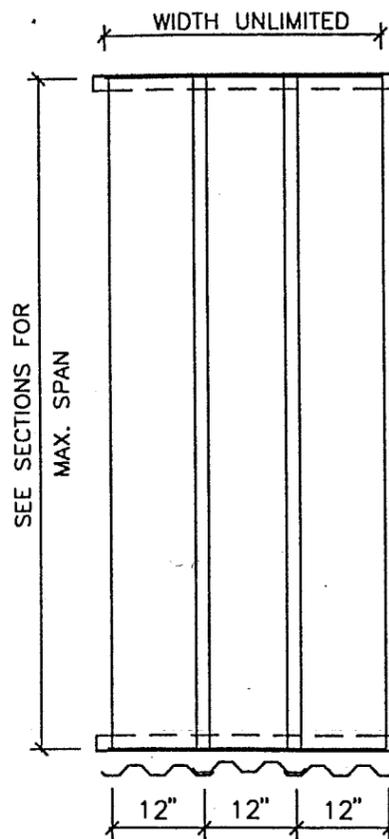
DETAIL 1
F3 FASTENER



TOP TRACK, T
6063-T5
WALL THK. 0.064 IN.



BOTTOM TRACK B
6063-T5



TYPICAL WALL ELEVATION

FASTENER SCHEDULE FOR TESTED SPECIMENS:

- F1 - 1/4"x1 1/4" TAPCON ANCHORS 1 1/2" FROM EACH END AND 12" C/C FOR CONCRETE MASONRY, 1" EMBEDMENT.
- F2 - #10 x 2" WOOD SCREWS 1 1/2" FROM EACH END AND 12" C/C FOR WOOD FRAMED WALLS 1 1/2" EMBEDMENT.
- F5 - 1/2" DIA x 7/8" TAMPIN ANCHORS WITH 1/4"-20 x 1" SIDEWALK BOLTS, 1 1/2" FROM EACH END AND 12" C/C FOR CONCRETE AND MASONRY, 7/8" EMBEDMENT.
- * F3 - 1/4" dia. -20 x 7/8" STUD BOLT W/ WING NUT 2" FROM EACH END AND 12" C/C.

* SAME FOR TEST SPECIMEN & FIELD INSTALLATION.

FASTENER F1 AND F2 SCHEDULE FOR FIELD INSTALLATION:

SEE DRAWING SP-2, SHEET 3 OF 3 FOR SPACING, EDGE DISTANCE, LENGTH OF ANCHOR, EMBEDMENT LENGTH AND CONCRETE STRENGTH AND ALTERNATE ANCHORS OTHER THAN THOSE USED FOR TEST SPECIMENS.

NOTES:

FOR NOTES SEE SP-2, SHEET 2 OF 3.

PRODUCT RENEWED

ACCEPTANCE No. 98-0702-01
 EXPIRATION DATE JUNE 29 2001
 By Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE JUNE 29 1995
 BY Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE No. 95-0119.02

PRODUCT RENEWED

ACCEPTANCE No. 01-0628.03
 EXPIRATION DATE 06/29/2006
 By Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

Handwritten signature and date: 5/16/95

VIPIN N. TOLAT, P.E.
 FL. License # 12847

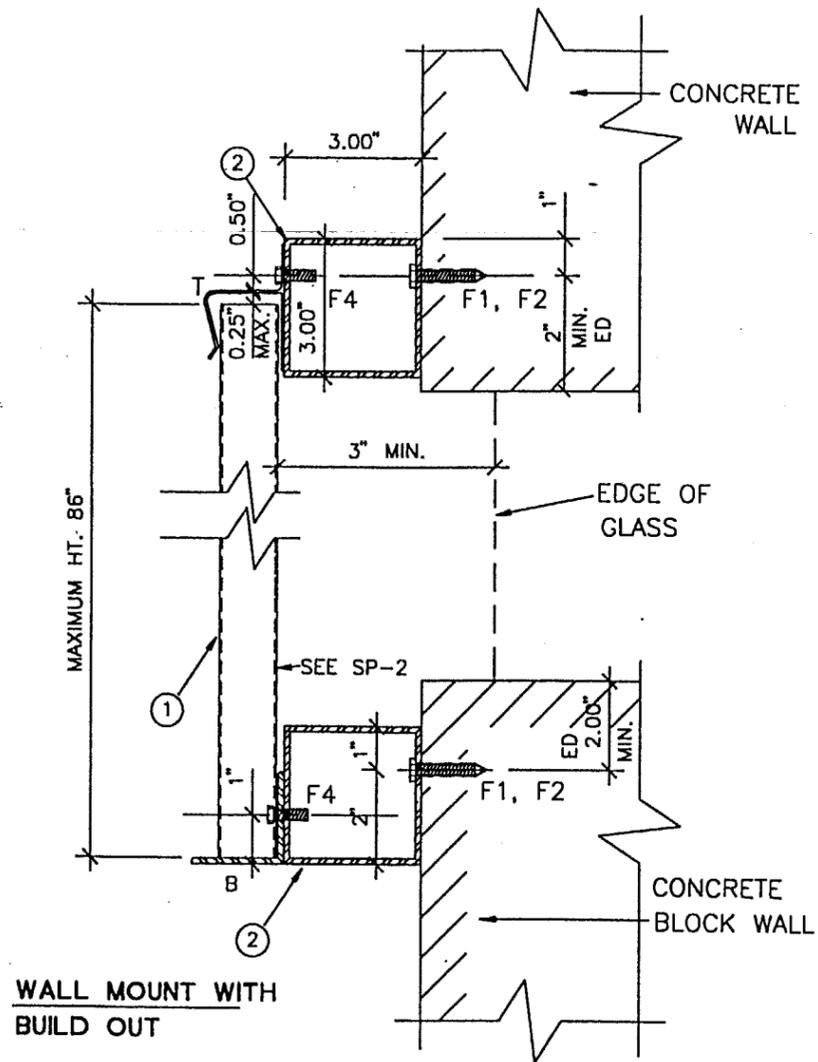
VIPIN N. TOLAT, P.E.
 Consulting Engineer
 5081 S.W. 95th. Court
 Miami, FL 33165
 Tel. # (305) 271-7805
 Fax # (305) 271-9699

AMERICAN STORM SHUTTERS INC.
 13760 N.W. 19th. AVE., BAY #3,
 OPA-LOCKA, FL 33054.

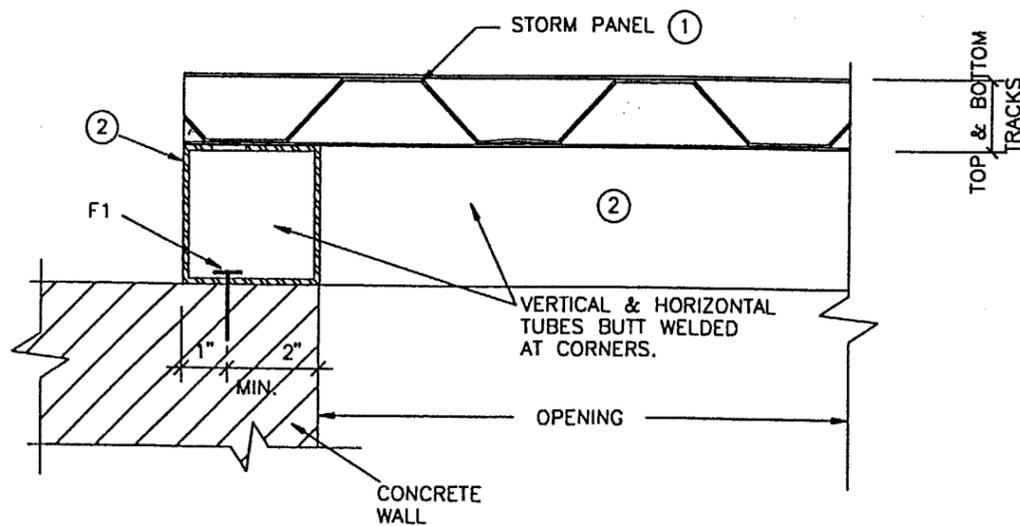
Tel. (305) 681-2369
 Fax (305) 681-0749

5/16/95

DWG #: SP-2
 SHEET 1 OF 3



WALL MOUNT WITH BUILD OUT



CLOSURE DETAIL FOR BUILD OUT

FASTENER SCHEDULE:

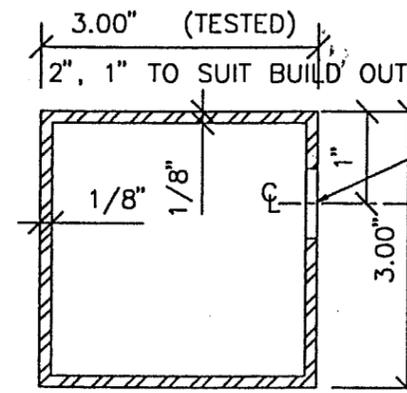
* F4: #10x3/4" STAINLESS STEEL HEX.TEX.WASHERED HEAD MACHINE SCREWS 1 1/2" FROM EACH END & 12" c/c.

F1, F2, F3— SEE DWG. SP-2.

* SAME FOR TEST SPECIMEN & FIELD INSTALLATION.

NOTES:

1. THE STORM PANELS AND ITS ACCESSORIES SHOWN ON THIS DRAWING HAVE BEEN TESTED IN ACCORDANCE WITH SFBC UNIFORM WIND LOAD, IMPACT & CYCLIC WIND LOADS.
2. ALLOWABLE ASCE DESIGN PRESSURES ARE +53 & -70 PSF.
3. PANEL MARKINGS LOCATED AT ELEVATED RIDGE OF THE PANEL SHALL BE:
AMERICAN STORM SHUTTERS INC.
OPA LOCKA, FLA.
"DADE COUNTY PRODUCT CONTROL APPROVED."
4. FOR PANEL TO TRACK B DETAIL, SEE DWG. SP-2, SHEET 1 OF 3 DETAIL 1.
5. "ED" INDICATES MINIMUM DESIRABLE EDGE DISTANCE. FOR INCREASED OR DECREASED "ED" ANCHOR SPACING CHANGES AS SHOWN ON DWG. SP-2, SHEET 3 OF 3.



2 6063-T5

BUILD OUT	ALUMINUM TUBING 6063-T5
3"	3x3x1/8
2"	2x3x1/8
1"	1x3x1/8

BUILD OUT SCHEDULE

PRODUCT RENEWED

ACCEPTANCE No. 01-0628.03

EXPIRATION DATE 06/29/2006

By *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

Vipin N. Tolat
5/16/95
VIPIN N. TOLAT, P.E.
FL. License # 12847

3/4" ϕ PILOT HOLE FOR INSTALLING ANCHORS THRU. THE OPPOSITE FACE.

PRODUCT RENEWED

ACCEPTANCE No. 98-0702.01

EXPIRATION DATE JUNE 29 2001

By *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE JUNE 29 1995
BY *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 95-0119.02

VIPIN N. TOLAT, P.E.
Consulting Engineer
5081 S.W. 95th. Court
Miami, FL 33165
Tel. # (305) 271-7805
Fax # (305) 271-9699

AMERICAN STORM SHUTTERS INC.
13760 N.W. 19th. AVE., BAY #3,
OPA-LOCKA, FL 33054.

Tel. (305) 681-2369
Fax (305) 681-0749

5/16/95

DWG #: SP-2
SHEET 2 OF 3

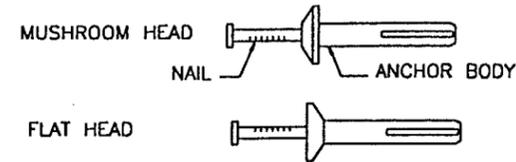
Anchor Spacing (inches) - Anchors F1 ITW/Builddex, Tapcon concrete Anchors 1/4"x1 3/4", 1 1/2" embedment in concrete, 1 1/4" embedment in block.				
Edge Distance (inches) ED	-70 psf and +53 psf			
	Max. Panel height 86"			
	2,500 psi concrete		Concrete block	
	Tension	Shear	Tension	Shear
2.5	12.0	12.0	9.5	9.5
2.0	11.0	11.5	7.5	7.5
1.5	8.5	8.5	5.5	5.5
1.3	7.0	7.0	4.5	4.5

Anchor Spacing (inches) - Anchors F1 Rawl Zamac Nailin Anchors 1/4" dia. x 1 1/2" long, 1 3/8" embedment in concrete, 1 1/4" embedment in block.				
Edge Distance (inches) ED	-70 psf and +53 psf			
	Max. Panel height 86"			
	2,000 psi concrete		Concrete block	
	Tension	Shear	Tension	Shear
3.0	11.0	12.0	8.5	12.0
2.5	11.0	12.0	8.0	12.0
2.0	9.5	11.5	7.5	11.0
1.5	9.5	9.5	7.0	9.0

Anchor Spacing (inches) - Anchors F1 Rawl Calk-In (Tampin) Anchors 1/2" O.D. x 7/8" anchor with 1/4" -20x1" machine screws 7/8" embedment in concrete and block.				
Edge Distance (inches) ED	-70 psf and +53 psf			
	Max. Panel height 86"			
	2,000 psi concrete		Concrete block	
	Tension	Shear	Tension	Shear
3.0	12.0	12.0	10.0	12.0
2.5	12.0	12.0	9.0	12.0
2.0	12.0	10.0	8.0	8.0

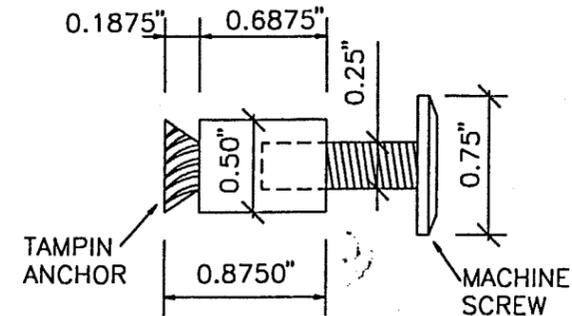
Wood Framed walls - Anchors F2 spacing inches #10 x 2" wood screws, 1 1/2" embedment		
Edge Distance (inches) ED	-70 psf and +53 psf	
	Max. Panel height 86"	
	Tension	Shear
1.5	12.0	12.0

Note: The length of anchors shall be increased for stucco allowance.



RAWL ZAMAC NAILIN ANCHOR

1/4" DIA. x 1 1/2"



RAWL CALK-IN (TAMPIN) ANCHOR

1/4" - 20x1" MACHINE SCREW
1/2" DIA. X 0.875" ANCHOR



**ITW/BUILDEX TAPCON
CONCRETE ANCHOR**

1/4" DIA. x 1 3/4"

PRODUCT RENEWED

ACCEPTANCE No. 98-0702-01

EXPIRATION DATE JUNE 29 2001

By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

PRODUCT RENEWED

ACCEPTANCE No. 01-0628-03

EXPIRATION DATE 06/29/2006

By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JUNE 29 1995
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 95-0119.02

VIPIN N. TOLAT, P.E.
Consulting Engineer
5081 S.W. 95th. Court
Miami, FL 33165
Tel. # (305) 271-7805
Fax # (305) 271-9699

AMERICAN STORM SHUTTERS INC.
13760 N.W. 19th. AVE., BAY #3,
OPA-LOCKA, FL 33054.

Tel. (305) 681-2369
Fax (305) 681-0749

Manuel Perez
5/16/95
VIPIN N. TOLAT, P.E.
FL. License # 12847

5/16/95

DWG. # SP-2
SHEET 3 OF 3