MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

T.M. Window & Door Co.
601 N.W. 12th Ave.
Pompano Beach ,FL 33069

Your application for Notice of Acceptance (NOA) of:
Series 310 Aluminum Sliding Glass Door w/4" Interlocker Extrusion
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.: 01-0122.02
EXPIRES: 12/05/2001

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: 04/26/2001

T.M. Window & Door Company

ACCEPTANCE No.: 01-0122.02

APPROVED : APR 26 2001

EXPIRES : December 05, 2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** the Notice of Acceptance No. 99-1201.08, which was issued on May 19, 2000. It approves an aluminum sliding glass door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 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

2.1 The **Series 310/350 - Aluminum Sliding Glass Door (w/4" Deep Interlock) SGD-C70/FER** and its components shall be constructed in strict compliance with the following documents: Drawing No **350-H-C1, 350-H-W1, 350-I-C1, 350-I-W1, 350-J-C1, 350-J-W1, 350-K-C1 and 350-K-W1,** titled "Series 310/350 Alum Sliding Glass Door," dated 10/01/96, w/revision 1 dated 11/25/96, signed and sealed by Ballard L. Argus, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

2.2 Frame Construction:

2.2.1 Head: The header consists of a 1.477" face x 5.028" deep x 0.60" wall thickness extruded aluminum 3-track channel. (Part #SW-27509)

2.2.2 Jambs: A .875" face x 4.893" deep x 0.62" wall thickness extruded aluminum 3-track jamb. (Part #GW-31172)

2.2.3 Track: A .625" high x 5.029" wide x 0.70" wall thickness x 2-1/2" high overall interior sill flange extruded aluminum triple track is used at sill (Part #GW-36676).

2.2.4 Corner construction: Butt joints, frame header and sill are not secured to jambs at corners.

2.3 Panel Construction:

2.3.1 Stiles: Panel jamb stiles consist of a 2.071" face x 1.020" deep x .062" wall thickness extruded aluminum hollow with a .392" x .593" glazing pocket (Part #GW-34975).

Male Astragal stile consist of a 2.562" face x 2.688" deep x .062" wall thickness extruded alum. hollow with a .392" x .593" glazing pocket (Part #GW-32720).

Female Astragal stile consist of a 2.718" face x 2.688" deep x .062" wall thickness extruded alum. hollow with a .392" x .593" glazing pocket and a .625" x 1.300" locking pocket w/two pile grooves (Part #GW-32721).

Astragal OXO stile consist of a 2.718" face x 3.250" deep x .062 wall alum. hollow with .392" x .593" glazing pocket and a .625" x 1.300" locking pocket w/two pile grooves (Part #GW-33842).

Major interlock stile is a 2.800" face x 1.688" deep x .055" wall thickness extruded alum. hollow with a .392" x .593" glazing pocket and three pile grooves (Part #GW-35005).

Minor interlock stile is a 2.800" face x 1.525" deep x .050" wall thickness extruded alum. hollow with a .392" x .593" glazing pocket and three pile grooves (Part #GW-36984).

Manuel Perez

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

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

2.3.2 Rails: Top rail is a 1.259" face x 1.407" deep x .062" wall thickness aluminum solid extrusion with a .392" x .562" glazing pocket and two pile grooves (Part #GW-36866). Bottom rail is a 2.489" face x 1.407" deep x .062" wall thickness aluminum solid extrusion with a .392" x .562" glazing pocket and two pile grooves (Part #GW-36867).

2.3.3 Corner construction: Panel corners are butt joined and each is secured with two #10 x 1" PH SMS.

2.4 Weatherstripping:

	Quantity	Description	Location
2.4.1	Triple row	Pile with integral plastic fin	At each panel interlock stile.
2.4.2	Double row	Pile with integral plastic fin	At each fixed panel jamb stile.
2.4.3	Double row	Pile with integral plastic fin	At female astragal stile, astragal OXO stile and each panel top and bottom rail.

2.5 Hardware:

	Quantity	Description	Location
2.5.1	Four	Adjustable tandem plastic wheels in metallic housing.	One at each end of each moving panel.
2.5.2	One	Flush mount dual metallic hook lock	At moving panel lock stiles, 39" from bottom.

2.6 Weepholes:

	Quantity	Description	Location
2.6.1	Six	1-1/4" weep notch	One at each end of each track.

2.7 Reinforcement:

	Quantity	Description	Location
2.7.1	One	2" x 4" x 0.065" thick x 108-1/2" long steel tube	In fixed interlock stile.
2.7.2	One	1-1/4" x 1-9/16" x 1/8" x 52-1/2" long aluminum angle, secured to frame head with three head installation screws	In frame head on exterior of moving panel top rail.
2.7.3	One	11/16" x 3/4" x 1/8" x 53-3/4" aluminum angle attached to frame sill and secured to sill with four No. 10 x 1" SMS located from left end of angle 5-1/2", 25-1/2", 45-3/8", and 51-1/8"	On exterior of moving panel's bottom rail

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

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

2.8 **Sealants and Pads:** The full length of the unit is sealed on the interior of frame sill and 10" up each frame jamb, along entire exterior perimeter of unit, fixed panel anchor brackets, and fixed panel to frame at top, bottom and jamb rail using silicone adhesive

	Quantity	Description	Location
2.8.1	Two	1" x 1-1/2" pile pads with integral plastic fins.	At lower left frame corner, one in track under moving panel and one in frame jamb at moving panel.
2.8.2	One	1/2" x 1-1/2" pile pad with integral plastic fin.	In frame head above moving panel at upper left frame corner.
2.8.3	One	7/8" x 1-1/2" pile pad .	At sill on moving panel track at left corner.
2.8.4	One	7/8" x 1-1/2" pile pad .	At left bottom frame jamb. (The two pads meet)

2.9 **Additional Description:** Interior overall sill flange: 4" high overall for 14.5 PSF; 3-1/2" high overall for 13.0 PSF; 2-1/2" high overall for 8 PSF.

3. LIMITATIONS

3.1 This approval applies to single unit applications only and for the configurations shown in approved drawings.

3.2 Other configurations allowed: XO and OX.

3.3 Head receptor is not allowed to be used in this installation.

3.4 For Design Pressure Rating vs. Door Size, see Comparative Analysis Table corresponding to each configuration and anchor attachment referenced in approved drawings.

3.5 This approval consists of a sliding glass door with four levels of reinforcement packages categorized from strongest to weakest with the letters "K", "J", "I", and "H".

3.5.1 For reinforcement package "K" refer to drawings 350-K-C1 and 350-K-W1.

3.5.2 For reinforcement package "J" refer to drawings 350-J-C1 and 350-J-W1.

3.5.3 For reinforcement package "I" refer to drawings 350-I-C1 and 350-I-W1.

3.5.4 For reinforcement package "H" refer to drawings 310-H-C1 and 310-H-W1.

Manuel Perez

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

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

4. INSTALLATION

4.1 The aluminum sliding glass door and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

5. LABELING

5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and 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

T.M. Window & Door Company

ACCEPTANCE No.: 01-0122.02

APPROVED : APR 26 2001

EXPIRES : December 05, 2001

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 documentation, 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 purpose.

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 need 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, 3, 4, 5 and this last page 6.

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

END OF THIS ACCEPTANCE

T.M. Window & Door Company

ACCEPTANCE No.: 01-0122.02

APPROVED : APR 26 2001

EXPIRES : December 05, 2001

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **350-H-C1, 350-H-W1, 350-I-C1, 350-I-W1, 350-J-C1, 350-J-W1, 350-K-C1 and 350-K-W1,** titled "Series 310/350 Alum Sliding Glass Door," dated 10/01/96, w/revision 1 dated 11/25/96, signed and sealed by Ballard L. Argus, P.E.,

B. TESTS

1. DRAFT of Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
   2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
   3) Water Resistance Test, per SFBC, PA 202-94
   4) Large Missile Impact Test per SFBC, PA 201-94
   5). Small Missile Impact Test per SFBC, PA 201-94
   6) Cyclic Wind Pressure Loading per SFBC, PA 203-94
   7) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

   along with marked-up drawings and installation diagram of an aluminum sliding glass door with reinforcement, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2771**, dated January 15, 2001, witnessed by Antonio Acevedo, P.E.
2. DRAFT of Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
   2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94
   3) Water Resistance Test, per SFBC, PA 202-94
   4) Large Missile Impact Test per SFBC, PA 201-94
   5). Small Missile Impact Test per SFBC, PA 201-94
   6) Cyclic Wind Pressure Loading per SFBC, PA 203-94
   7) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94

   along with marked-up drawings and installation diagram of an aluminum sliding glass door without reinforcement, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2976**, dated March 2, 2001, witnessed by Antonio Acevedo, P.E.
3. Test reports on 1) Air Infiltration Test, per PA 202-94
   2) Uniform Static Air Pressure Test, Loading per PA 202-94
   3) Water Resistance Test, per PA 202-94
   4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94.

   along with installation diagram and marked-up drawings of an aluminum sliding glass door prepared by Miami Testing Laboratory, Inc., Reports No. **MTL-16708, MTL-16763, MTL-16749, and MTL-16698**, dated April 11, 1996, April 30, 1996, April 17, 1996, and April 18, 1996 respectively, all signed and sealed by David Ober, P.E.
   (Submitted with previous approvals)

Manuel Perez

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

T.M. Window & Door Company

ACCEPTANCE No.: 01-0122.02

APPROVED : APR 26 2001

EXPIRES : December 05, 2001

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA.)

C. CALCULATIONS

1. Comparative analysis and anchor calculations, prepared by TM Windows and Doors, Co., dated 09/17/96, signed and sealed by Ballard Argus, P.E.
   . **(Submitted with previous approvals**

D. STATEMENTS ?

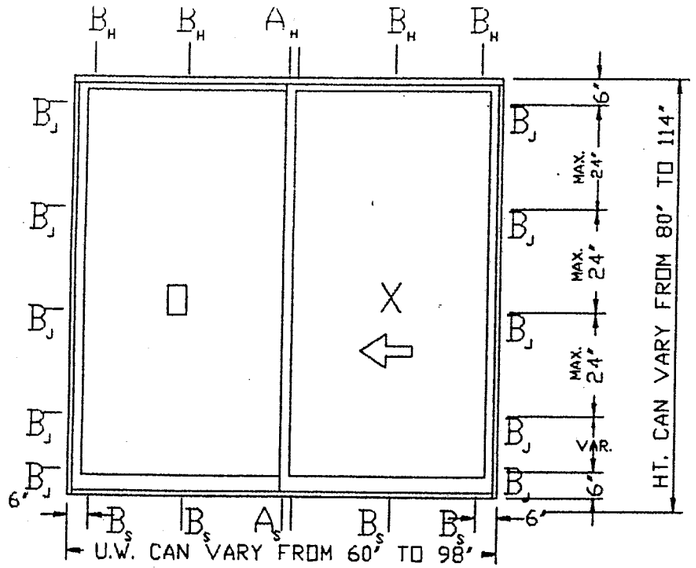
1. Letter requesting a one-year approval, dated January 12, 2001, signed by Michael J. Metzger, Manager.

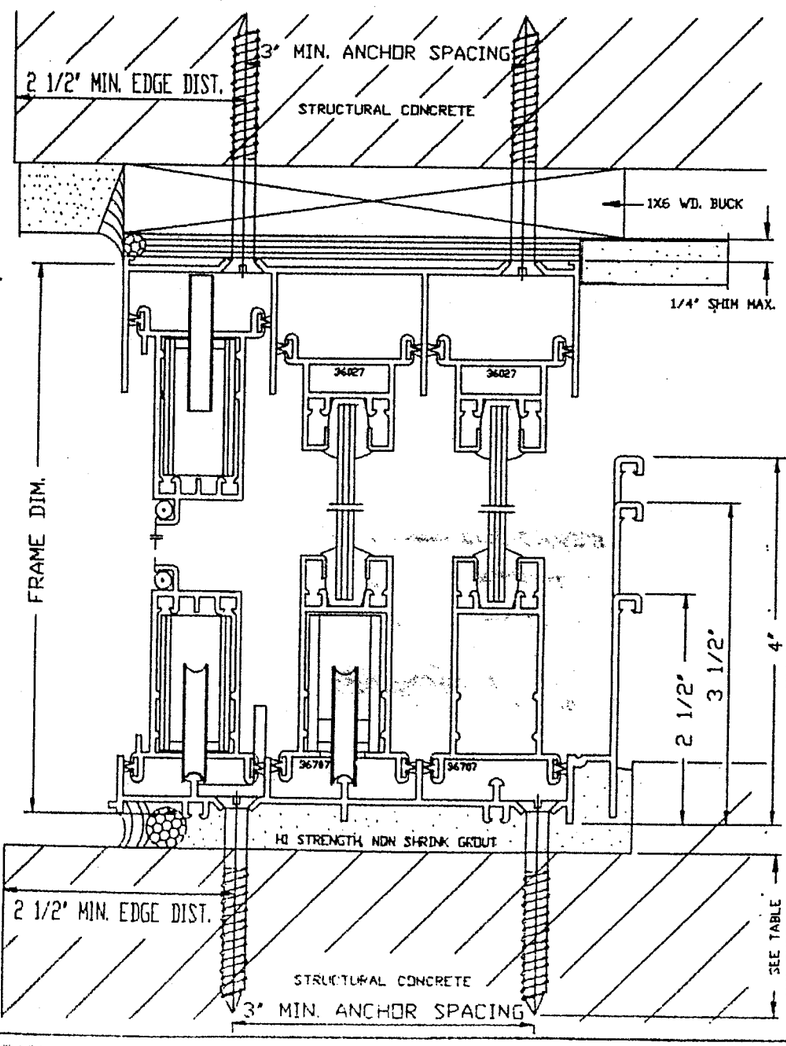
E. OTHERS

1. Notice of Acceptance No. **99-1201.08** issued to T.M. Window & Door Co. for their Series 310 Aluminum Sliding Glass Door (w/4" deep Interlocker Extrusion), dated 12/05/96, expiring on 12/05/99.

TEST	TEST LOADS	DESIGN LOADS
AIR INFILTRATION @ 1.57 PSF SFBC PA 202-94 (0.34 CFM/FT^2)	0.18 CFM/FT^2 MTL-16708	----------
AIR INFILTRATION @ 6.24 PSF SFBC PA 202-94	0.35 CFM/FT^2 MTL-16708	----------
UNIFORM STATIC PRESSURE LOADS (Reinforcement K) SFBC PA 202-94 POSITIVE 30 Seconds	+140.0 PSF MTL-16708	+93.3 PSF MTL-16708
UNIFORM STATIC PRESSURE LOADS (Reinforcement K) SFBC PA 202-94 NEGATIVE 30 Seconds	-210.0 PSF MTL-16708	-140.0 PSF MTL-16708
WATER RESISTANCE (PSF) WITH 4" SILL SFBC PA 202-94	+14.0 PSF MTL-16708	+93.3 PSF MTL-16708
WATER RESISTANCE (PSF) WITH 3 1/2" SILL SFBC PA 202-94	+13.0 PSF MTL-16708	+86.7 PSF MTL-16708
FORCED-ENTRY RESISTANCE (FER) SFBC PA 202-94 & 3603.2(b)(5)	SATISFACTORY MTL-16708	----------
UNIFORM STATIC PRESSURE LOADS (Reinforcement J) SFBC PA 202-94 POSITIVE 30 Seconds	+140.0 PSF MTL-16763	+93.3 PSF MTL-16763
UNIFORM STATIC PRESSURE LOADS (Reinforcement J) SFBC PA 202-94 NEGATIVE 30 Seconds	-170.0 PSF MTL-16763	-113.3 PSF MTL-16763
UNIFORM STATIC PRESSURE LOADS (Reinforcement I) SFBC PA 202-94 POSITIVE 30 Seconds	+150.0 PSF MTL-16749	+100.0 PSF MTL-16749
UNIFORM STATIC PRESSURE LOADS (Reinforcement I) SFBC PA 202-94 NEGATIVE 30 Seconds	-150.0 PSF MTL-16749	-100.0 PSF MTL-16749
UNIFORM STATIC PRESSURE LOADS (Reinforcement H) SFBC PA 202-94 POSITIVE 30 Seconds	+107.0 PSF MTL-16698	+71.3 PSF MTL-16698
UNIFORM STATIC PRESSURE LOADS (Reinforcement H) SFBC PA 202-94 NEGATIVE 30 Seconds	-107.0 PSF MTL-16698	-71.3 PSF MTL-16698
DESIGN PRESSURE RATING	----------	----------
For Design Pressure Rating vs. Door Size, see Tables referenced in Section 9 "Comparative Analysis".		

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





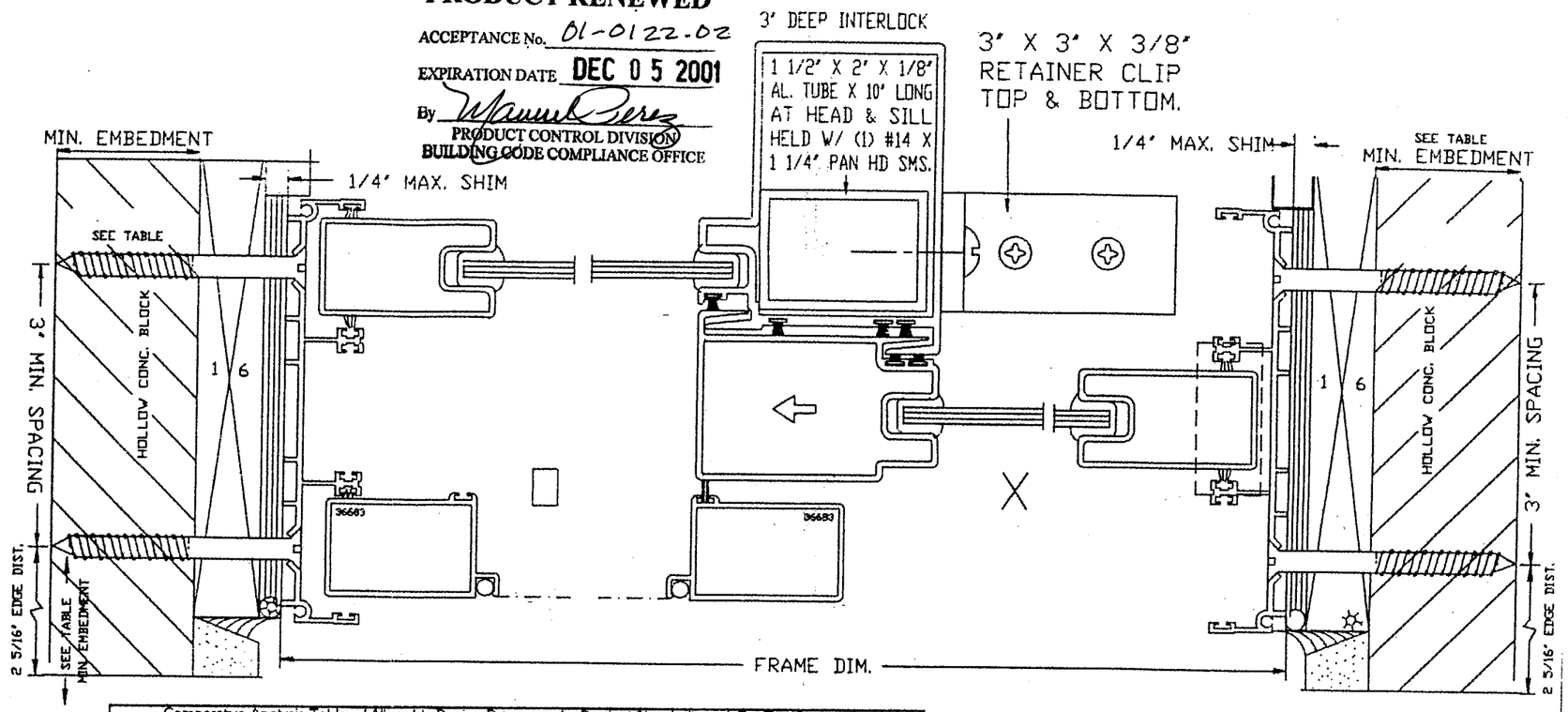
PRODUCT RENEWED

ACCEPTANCE No. 01-0122.02

EXPIRATION DATE DEC 05 2001

By Manuel Perez

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated, For Test Report # 16698

TMWD Product Code	Project SGD Frame Size OX Width (in)	×	Height (in)	Max Allowable Design Presure (psf) 2 1/2" Sill Height + Pos Dp	- Neg Dp	3 1/2" Sill Height + Pos Dp	- Neg Dp	4" Sill Height. + Pos Dp	- Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Right Pan Head/Sill
5068	5'-0"	×	6'-8"	53.3	-116.5	86.7	-116.5	96.7	-116.5	4	2	2
6068	6'-0"	×	6'-8"	53.3	-97.0	86.7	-97.0	96.7	-97.0	4	2	2
8068	8'-0"	×	6'-8"	53.3	-72.8	72.8	-72.8	72.8	-72.8	4	3	3
5080	5'-0"	×	8'-0"	53.3	-116.5	86.7	-116.5	96.7	-116.5	5	2	2
6080	6'-0"	×	8'-0"	53.3	-97.0	86.7	-97.0	96.7	-97.0	5	2	2
8080	8'-0"	×	8'-0"	53.3	-72.8	72.8	-72.8	72.8	-72.8	5	3	3

Glass Lite Information – OX or XO Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 6 1/16) /2)"
Glass Lite Height = (SGD Frame Height - 4)"

Table of Required Anchors – Structural Concrete/CBS Construction, for Test Report # 16698

Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	2000 psi Concrete	982.6	3 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
As	2000 psi Concrete	982.6	3 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
Bh	2000 psi Concrete	248.7	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bs	2000 psi Concrete	248.7	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Ah	4000 psi Concrete	982.6	2 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
As	4000 psi Concrete	982.6	2 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
Bh	4000 psi Concrete	248.7	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bs	4000 psi Concrete	248.7	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bj	Hollow Concrete Block	268.1	2 ea 1/4" Dia Tapcon x 1 1/2" Embedment	1,2,3,4,7,9

Notes:

1. Maximum shim space between sliding glass door frame and concrete/wood buck substrate = 1/4".
2. Minimum 1/4" Diameter Tapcon Edge Distance from edge of concrete/block = 2 1/2".
3. Minimum 1/4" Diameter Tapcon embedment for hollow concrete block = 1 1/2".
4. Refer to "New Tapcon Design Data" and "ICBO Report #3370, October 1990".
5. Locate all Type "A" Anchors within 6" of interlocker ends, per test mock-up..
6. Locate Type "B" Head/Sill Anchors at 6" from frame ends and 21 5/8" O.C. Maximum, per test mock-up
7. Locate Type "B" Jamb Anchors at 6" from frame ends and 24" O.C. Maximum, per test mock-up.
8. Elevation is scaled view of equivalent "test size" unit for "OX" or "XO" configuration only.
9. Locate Type "B" anchors for other size units per notes 6 and 7.

35016745

STRUCTURAL CONCRETE/CBS CONSTRUCTION

PRODUCT RENEWED

ACCEPTANCE No. 99-1201.08

EXPIRATION DATE December 05 96

By Manuel Perez

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

DATE DECEMBER 05 1996

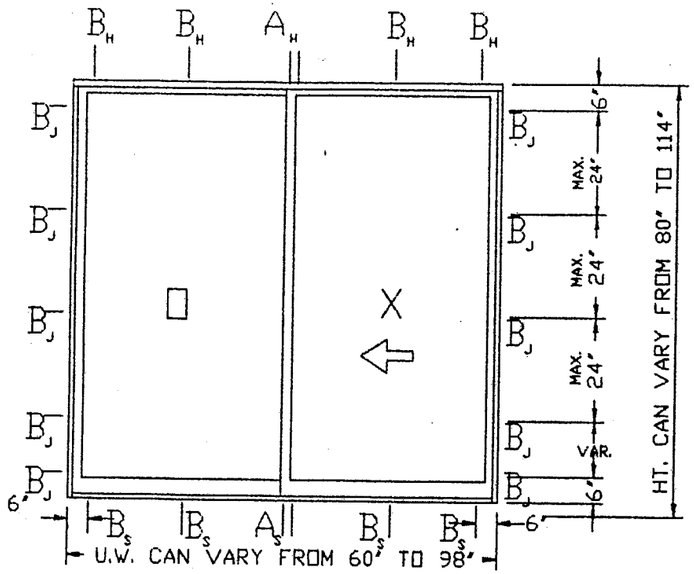
BY Manuel Perez

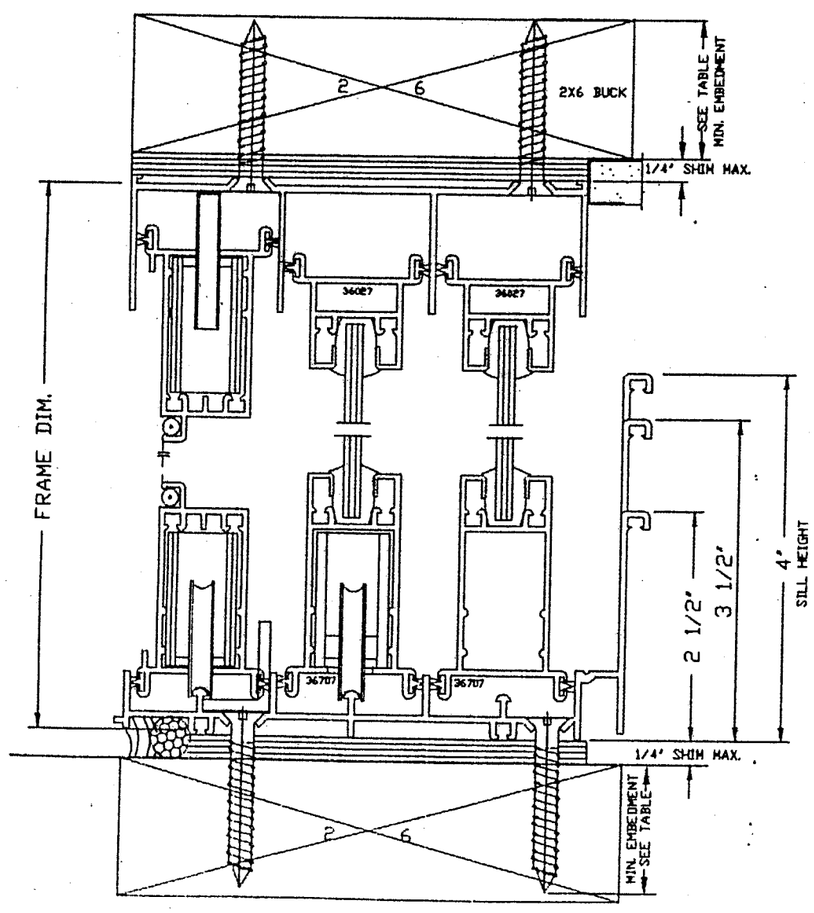
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 96-0605.01

Ballard L. Argus, P.E.
11/25/96
Expires 2/28/97

TM Window & Door Co. 601 NW 12 AVE., Pompano Beach, FL				
Product Description SGR 310/350 Alum. Sliding Glass Door				
Glass Type 1/4" THICK TEMPERED GLASS				
Testing Laboratory: Miami Testing Lab.				
Test Report No: 16698 4/17/96				
Dwg.No. 350-H-C1	Config: OX	Sheet: 1 of 1	Date: 10-1-96	Rev. 11-25-96
Metro Dade Action: Product Approval Renewal				





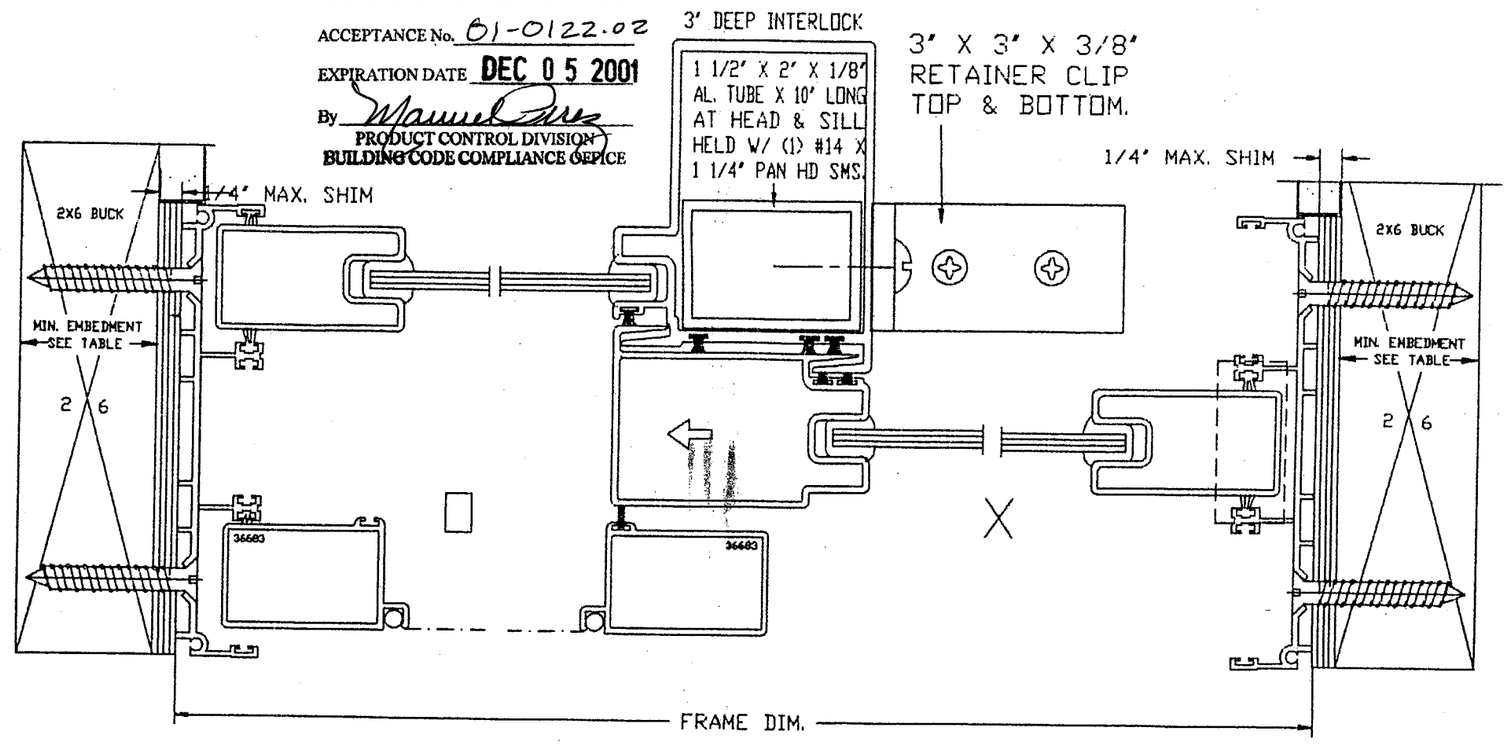
PRODUCT RENEWED

ACCEPTANCE No. 01-0122.02

EXPIRATION DATE DEC 05 2001

By Manuel Perez

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated, For Test Report # 16698

TMWD Product Code	Project SGD Frame Size OX Width (in)	×	Height (in)	Max Allowable Design Presure (psf) 2 1/2" Sill Height + Pos Dp	- Neg Dp	3 1/2" Sill Height + Pos Dp	- Neg Dp	4" Sill Height. + Pos Dp	- Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Right Pan Head/Sill
5068	5'-0"	×	6'-8"	53.3	-116.5	86.7	-116.5	96.7	-116.5	4	2	2
6068	6'-0"	×	6'-8"	53.3	-97.0	86.7	-97.0	96.7	-97.0	4	2	2
8068	8'-0"	×	6'-8"	53.3	-72.8	72.8	-72.8	72.8	-72.8	4	3	3
5080	5'-0"	×	8'-0"	53.3	-116.5	86.7	-116.5	96.7	-116.5	5	2	2
6080	6'-0"	×	8'-0"	53.3	-97.0	86.7	-97.0	96.7	-97.0	5	2	2
8080	8'-0"	×	8'-0"	53.3	-72.8	72.8	-72.8	72.8	-72.8	5	3	3

Table of Required Anchors – Wood Frame Construction, for Test Report # 16698

Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	1 1/2" P.T. Sou. Pine	982.6	4 ea #14 Sheet Metal Screw × 1 1/4" Penetration	1,2,3,6
As	1 1/2" P.T. Sou. Pine	982.6	4 ea #14 Sheet Metal Screw × 1 1/4" Penetration	1,2,3,6
Bh	1 1/2" P.T. Sou. Pine	248.7	1 ea #14 Sheet Metal Screw × 1 1/4" Penetration	1,2,3,4,5
Bs	1 1/2" P.T. Sou. Pine	248.7	1 ea #14 Sheet Metal Screw × 1 1/4" Penetration	1,2,3,4,5
Bj	1 1/2" P.T. Sou. Pine	288.1	1 ea #14 Sheet Metal Screw × 1 1/2" Penetration	1,2,3,4,5

Notes:

1. Maximum shim space between sliding glass door frame and P.T. Southern Pine wood buck substrate = 1/4".
2. References: "Wood Engineering Handbook", U.S. Forest Products Laboratory. 1974.
   "Southern Pine Manual", Southern Forest Products Assocaiation. 1975.
3. Locate all Type "A" Anchors within 6" of interlocker ends, per test mock-up..
4. Locate Type "B" Head/Sill Anchors at 6" from frame ends and 21 5/8" O.C. Maximum, per test mock-up.
5. Locate Type "B" Jamb Anchors at 6" from frame ends and 24" O.C. Maximum, per test mock-up.
6. Elevation is scaled view of equivalent "test size" unit for "OX" or "XO" configuration only.
7. Locate Type "B" anchors for other size units per notes 4 and 5.

WOOD BUCK CONSTRUCTION

Glass Lite Information – OX or XO Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 6 1/16) /2)"
Glass Lite Height = (SGD Frame Height - 4)"

PRODUCT RENEWED

ACCEPTANCE No. 99-1201.08

EXPIRATION DATE Dec. 05, 2000

By Manuel Perez

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

DATE DECEMBER 05 19 96

BY Manuel Perez

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 96-0605.01

Ballard L. Argus, P.E.
11/25/96

TM Window & Door Co.
601 NW 12 AVE., Pompano Beach, FL

Product Description
SER 310/350 Alum. Sliding Glass Door

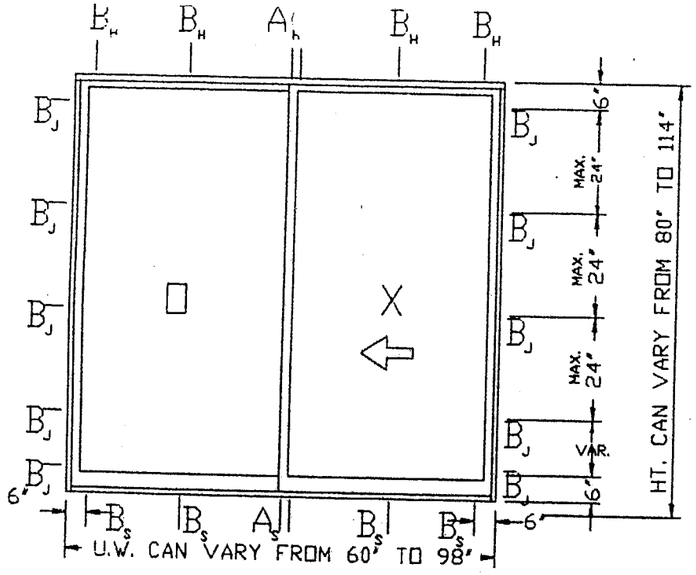
Glass Type
1/4" THICK TEMPERED GLASS

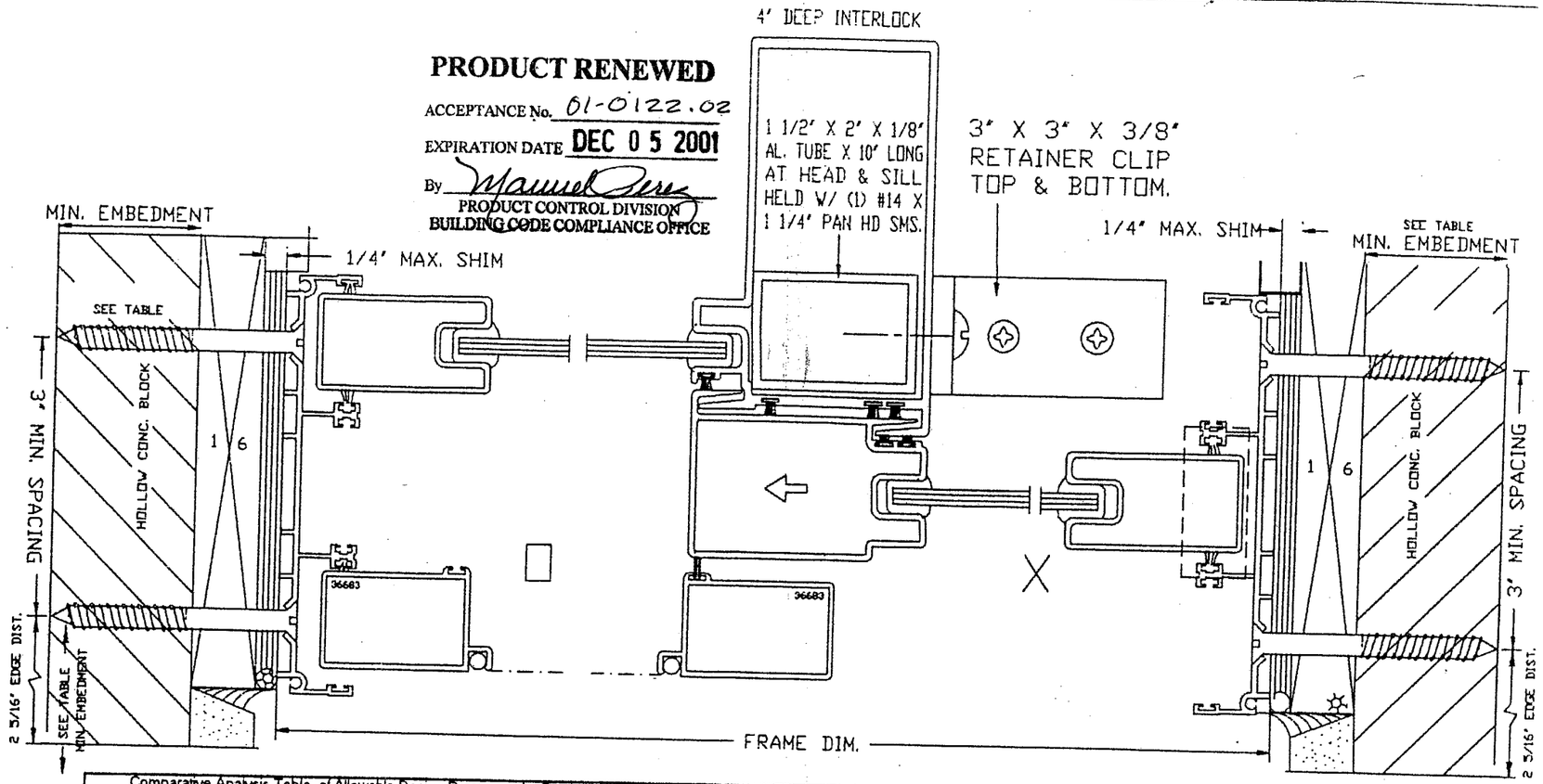
Testing Laboratory: Miami Testing Lab.

Test Report No: 16698 4/18/96

Dwg.No.	Config:	Sheet:	Date:	Rev.
350-H-W1	XO	1 of 1	10-1-96	11-25-96

Metro Dade Action: Product Approval Renewal





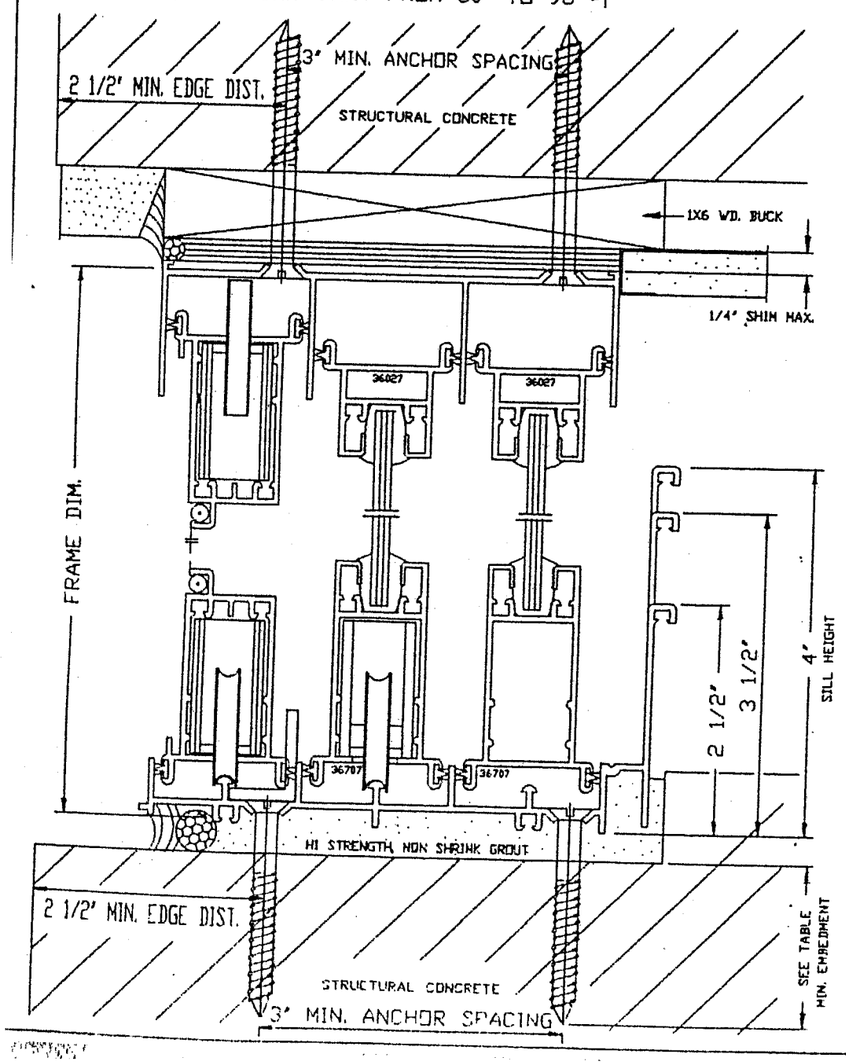
PRODUCT RENEWED

ACCEPTANCE No. 01-0122.02

EXPIRATION DATE DEC 05 2001

By Manuel Perez

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated, For Test Report # 16749

TMWD Product Code	Project SGD Frame Size OX Width (in)	× Height (in)	Max Allowable Design Presure (psf) 2 1/2" Sill Height + Pos Dp	- Neg Dp	3 1/2" Sill Height + Pos Dp	- Neg Dp	4" Sill Height, + Pos Dp	- Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Right Pan Head/Sill
5068	5'-0"	× 6'-8"	55.3	-228.7	86.7	-228.7	96.7	-228.7	4	2	2
6068	6'-0"	× 6'-8"	55.3	-190.6	86.7	-190.6	96.7	-190.6	4	2	2
8068	8'-0"	× 6'-8"	55.3	-142.9	86.7	-142.9	96.7	-142.9	4	3	3
5080	5'-0"	× 8'-0"	55.3	-198.5	86.7	-198.5	96.7	-198.5	5	2	2
6080	6'-0"	× 8'-0"	55.3	-171.3	86.7	-171.3	96.7	-171.3	5	2	2
8080	8'-0"	× 8'-0"	55.3	-138.9	86.7	-138.9	96.7	-138.9	5	3	3

Glass Lite Information – OX or XO Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 6 1/16) /2)"
Glass Lite Height = (SGD Frame Height - 4)"

Table of Required Anchors – Structural Concrete/CBS Construction, for Test Report # 16749

Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	2000 psi Concrete	1674.8	5ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
As	2000 psi Concrete	1674.8	5ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
Bh	2000 psi Concrete	488.3	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bs	2000 psi Concrete	488.3	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Ah	4000 psi Concrete	1674.8	4 ea 1/4" Dia Tapcon x 1 1/2" Embedment	1,2,4,5,8
As	4000 psi Concrete	1674.8	4 ea 1/4" Dia Tapcon x 1 1/2" Embedment	1,2,4,5,8
Bh	4000 psi Concrete	488.3	1 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,6,8,9
Bs	4000 psi Concrete	488.3	1 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,6,8,9
Bj	Hollow Concrete Block	559.8	3 ea 1/4" Dia Tapcon x 1 1/2" Embedment	1,2,3,4,7,9

Notes:

1. Maximum shim space between sliding glass door frame and concrete/wood buck substrate = 1/4".
2. Minimum 1/4" Diameter Tapcon Edge Distance from edge of concrete/block = 2 1/2".
3. Minimum 1/4" Diameter Tapcon embedment for hollow concrete block = 1 1/2".
4. Refer to "New Tapcon Design Data" and "ICBO Report #3370, October 1990".
5. Locate all Type "A" Anchors within 6" of interlocker ends, per test mock-up..
6. Locate Type "B" Head/Sill Anchors at 6" from frame ends and 21 5/8" O.C. Maximum, per test mock-up
7. Locate Type "B" Jamb Anchors at 6" from frame ends and 24" O.C. Maximum, per test mock-up
8. Elevation is scaled view of equivalent "test size" unit for "OX" or "XO" configuration only.
9. Locate Type "B" anchors for other size units per notes 6 and 7.

PRODUCT RENEWED

ACCEPTANCE No. 99-1201.08

EXPIRATION DATE Dec 05, 2000

By Manuel Perez

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

DATE DECEMBER 05 19.96

BY Manuel Perez

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

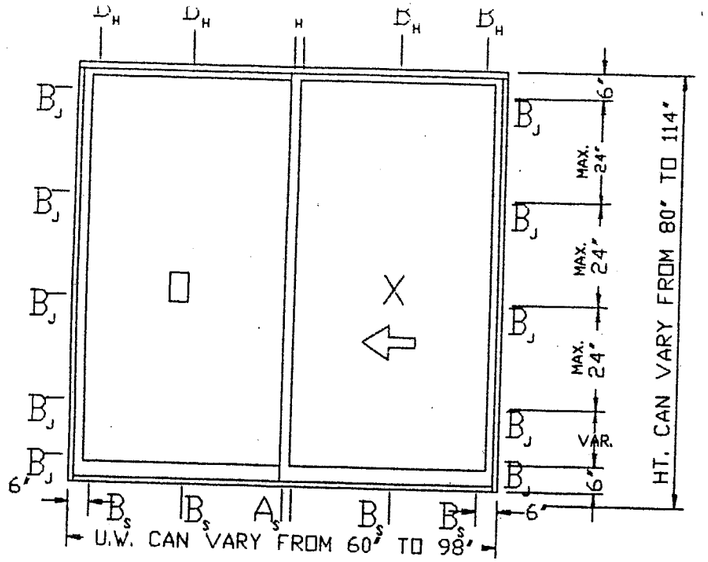
ACCEPTANCE NO. 96-0605.01

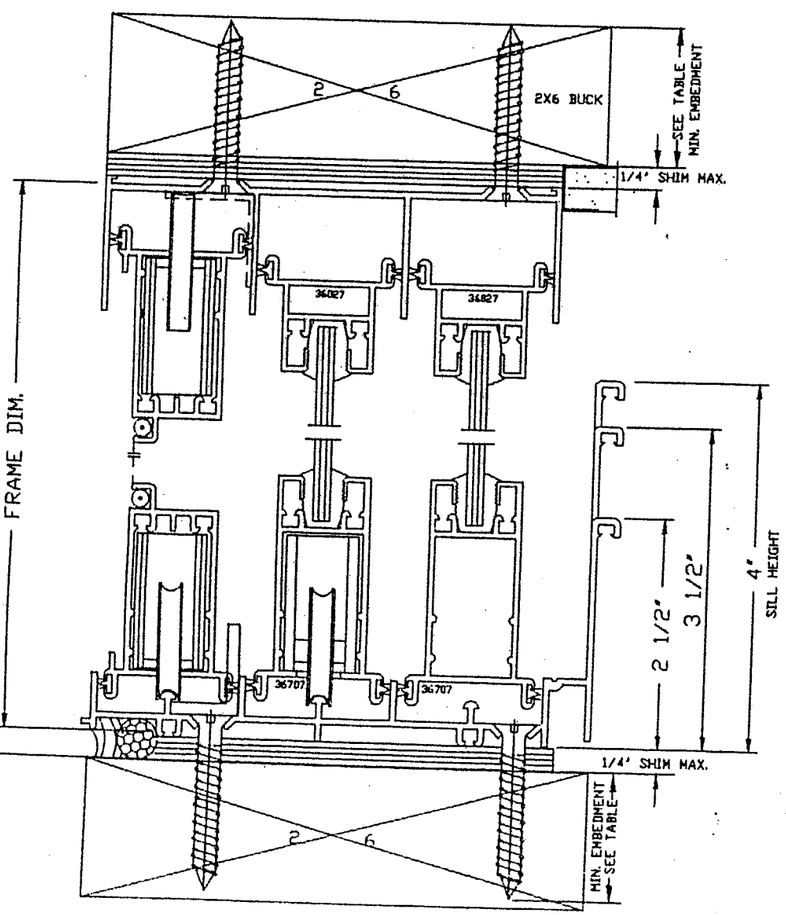
Ballard E. Argus, P.E.
11/22/96

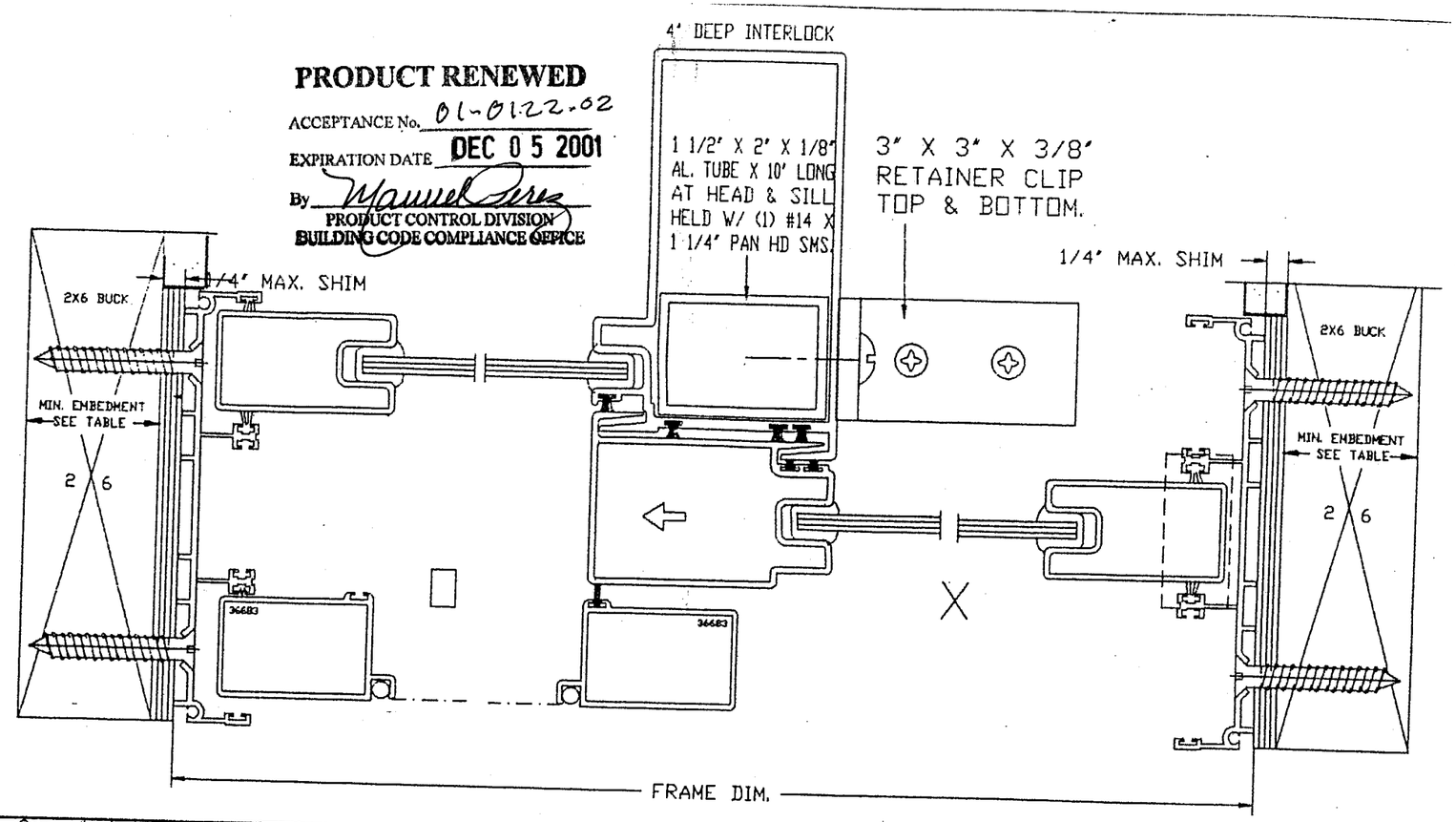
TM Window & Door Co. 601 NW 12 AVE., Pompano Beach, FL				
Product Description Series 350 Alum. Sliding Glass Door				
Glass Type 1/4" THICK TEMPERED GLASS				
Testing Laboratory: Miami Testing Lab.				
Test Report No: 16749			4/17/96	
Dwg.No. 350-1-C1	Config: OX	Sheet: 1 of 1	Date: 10-1-96	Rev. 11-22-96
Metro Dade Action: Product Approval Renewal				

CDH FILE 35601XMTL

STRUCTURAL CONCRETE/CBS CONSTRUCTION







PRODUCT RENEWED
ACCEPTANCE No. 01-0122.02
EXPIRATION DATE DEC 05 2001
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated. For Test Report # 16749

TMWD Product Code	Project SGD Frame Size OX Width (in)	× Height (in)	Max Allowable Design Presure (psf) 2 1/2" Sill Height + Pos Dp	- Neg Dp	3 1/2" Sill Height + Pos Dp	- Neg Dp	4" Sill Height + Pos Dp	- Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Right Pan Head/Sill
5068	5'-0"	× 6'-8"	55.3	-228.7	86.7	-228.7	96.7	-228.7	4	2	2
6068	6'-0"	× 6'-8"	55.3	-190.6	86.7	-190.6	96.7	-190.6	4	2	2
8068	8'-0"	× 6'-8"	55.3	-142.9	86.7	-142.9	96.7	-142.9	4	3	3
5080	5'-0"	× 8'-0"	55.3	-198.5	86.7	-198.5	96.7	-198.5	5	2	2
6080	6'-0"	× 8'-0"	55.3	-171.3	86.7	-171.3	96.7	-171.3	5	2	2
8080	8'-0"	× 8'-0"	55.3	-138.9	86.7	-138.9	96.7	-138.9	5	3	3

Glass Lite Information – OX or XO Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 6 1/16) /2)"
Glass Lite Height = (SGD Frame Height - 4)"

Table of Required Anchors – Wood Frame Construction, for Test Report # 16749

Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	1 1/2" P.T. Sou. Pine	1674.8	6 ea #14 Sheet Metal Screw x 1 1/2" Penetration	1,2,3,6
As	1 1/2" P.T. Sou. Pine	1674.8	6 ea #14 Sheet Metal Screw x 1 1/2" Penetration	1,2,3,6
Bh	1 1/2" P.T. Sou. Pine	488.3	2 ea #14 Sheet Metal Screw x 1 1/4" Penetration	1,2,3,4,5
Bs	1 1/2" P.T. Sou. Pine	488.3	2 ea #14 Sheet Metal Screw x 1 1/4" Penetration	1,2,3,4,5
Bj	1 1/2" P.T. Sou. Pine	559.8	2 ea #14 Sheet Metal Screw x 1 1/2" Penetration	1,2,3,4,5

Notes:
1. Maximum shim space between sliding glass door frame and P.T. Southern Pine wood buck substrate = 1/4".
2. References: "Wood Engineering Handbook". U.S. Forest Products Laboratory, 1974.
   "Southern Pine Manual". Southern Forest Products Assocaiation, 1975.
3. Locate all Type "A" Anchors within 6" of interlocker ends, per test mock-up..
4. Locate Type "B" Head/Sill Anchors at 6" from frame ends and 21 5/8" O.C. Maximum, per test mock-up
5. Locate Type "B" Jamb Anchors at 6" from frame ends and 24" O.C. Maximum, per test mock-up.
6. Elevation is scaled view of equivalent "test size" unit for "OX" or "XO" configuration only.
7. Locate Type "B" anchors for other size units per notes 4 and 5

WOOD BUCK CONSTRUCTION

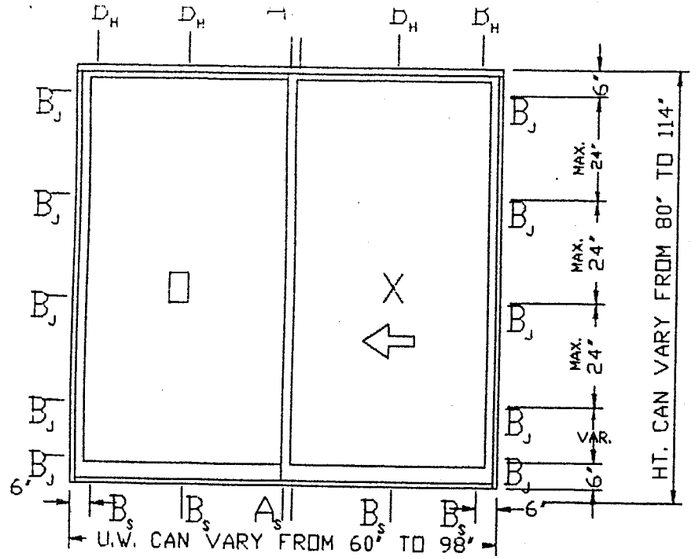
PRODUCT RENEWED
ACCEPTANCE No. 99-1201.08
EXPIRATION DATE Dec 05, 2000
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

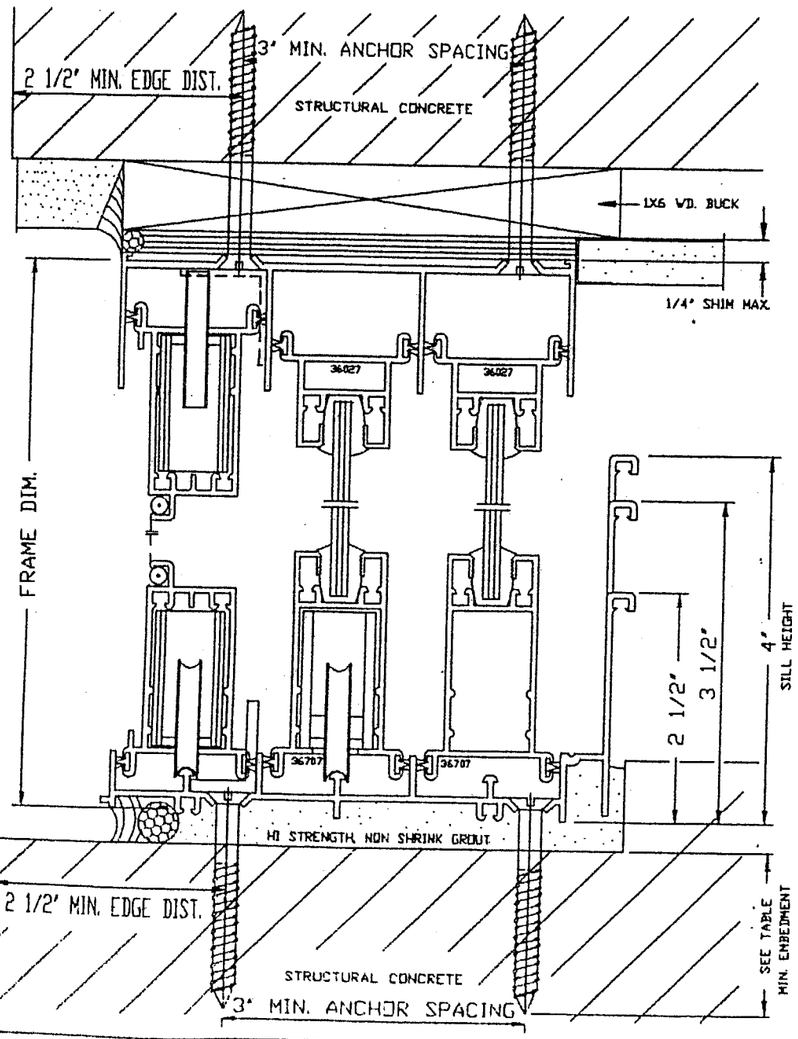
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 05 1996
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0605.01

Ballard L. Argus, P.E.
11/25/96
Expires 2/28/97

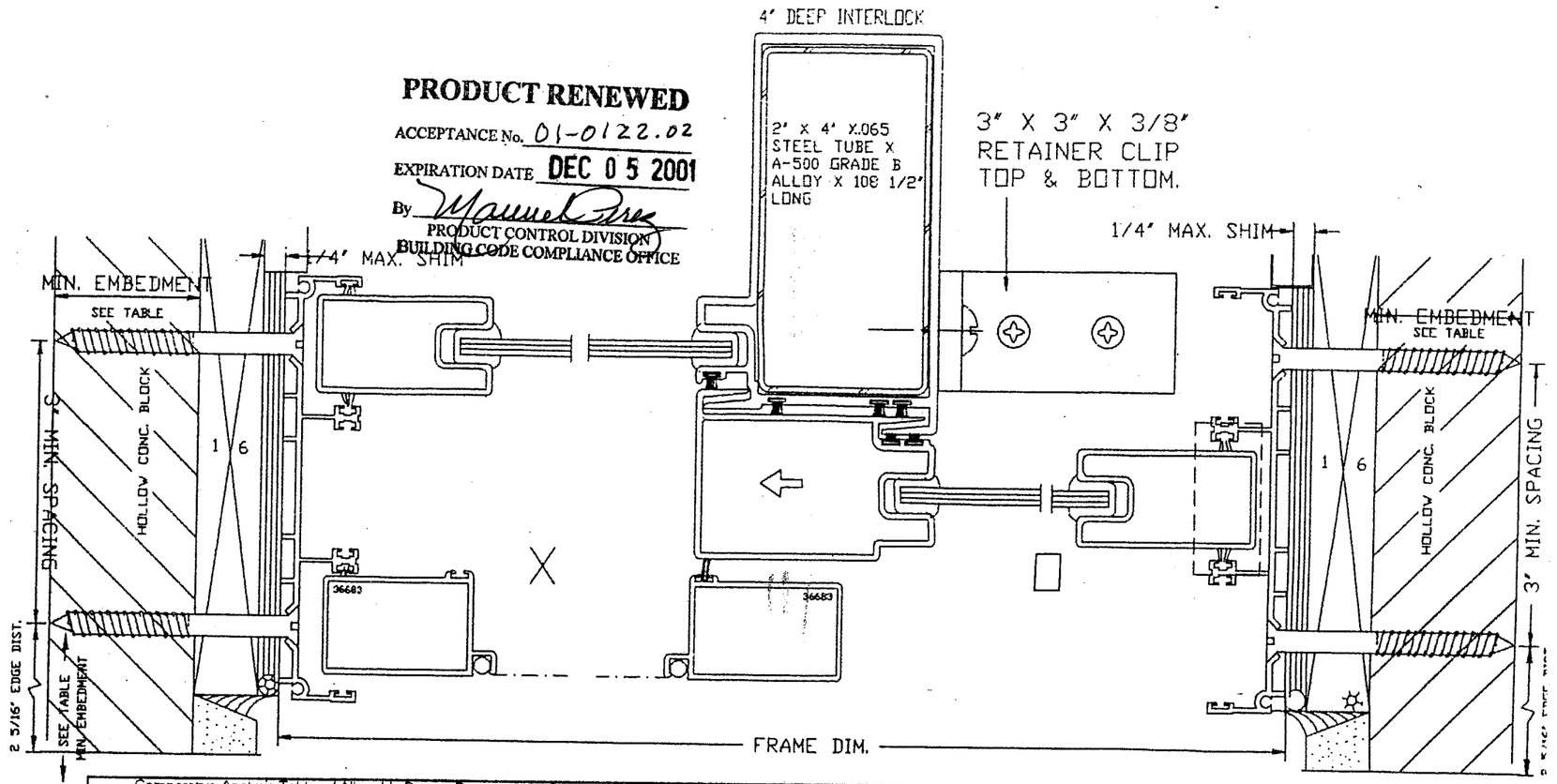
TM Window & Door Co. 601 NW 12 AVE., Pompano Beach, FL				
Product Description Series 350 Alum. Sliding Glass Door				
Glass Type 1/4" THICK TEMPERED GLASS				
Testing Laboratory: Miami Testing Lab.				
Test Report No: 16749			4/17/96	
Dwg.No. 350-1-W1	Config: OX	Sheet: 1 of 1	Date: 10-1-96	Rev. 11-25-96
Metro Dade Action: Product Approval Renewal				

COMP. FILE 350DXMTL





PRODUCT RENEWED
ACCEPTANCE No. 01-0122.02
EXPIRATION DATE DEC 0 5 2001
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated, For Test Report # 16763

TMWD Product Code	Project SGD Frame Size OX Width (in)	x	Height (in)	Max Allowable Design Presure (psf) 2 1/2" Sill Height + Pos Dp	- Neg Dp	3 1/2" Sill Height + Pos Dp	- Neg Dp	4" Sill Height. + Pos Dp	- Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Right Pan Head/Sill
5068	5'-0"	x	6'-8"	55.3	-228.7	86.7	-228.7	96.7	-228.7	4	2	2
6068	6'-0"	x	6'-8"	55.3	-190.6	86.7	-190.6	96.7	-190.6	4	2	2
8068	8'-0"	x	6'-8"	55.3	-142.9	86.7	-142.9	96.7	-142.9	4	3	3
5080	5'-0"	x	8'-0"	55.3	-206.3	86.7	-206.3	96.7	-206.3	5	2	2
6080	6'-0"	x	8'-0"	55.3	-178.1	86.7	-178.1	96.7	-178.1	5	2	2
8080	8'-0"	x	8'-0"	55.3	-142.9	86.7	-142.9	96.7	-142.9	5	3	3

Glass Lite Information -- OX or XO Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 6 1/16) /2)"
Glass Lite Height = (SGD Frame Height - 4)"

Table of Required Anchors -- Structural Concrete/CBS Construction, for Test Report # 16763

Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	2000 psi Concrete	1740.8	5ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
As	2000 psi Concrete	1740.8	5ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
Bh	2000 psi Concrete	488.3	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bs	2000 psi Concrete	488.3	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Ah	4000 psi Concrete	1740.8	4 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
As	4000 psi Concrete	1740.8	4 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
Bh	4000 psi Concrete	488.3	1 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,6,8,9
Bs	4000 psi Concrete	488.3	1 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,6,8,9
Bj	Hollow Concrete Block	559.8	3 ea 1/4" Dia Tapcon x 1 1/2" Embedment	1,2,3,4,7,9

Notes:
1. Maximum shim space between sliding glass door frame and concrete/wood buck substrate = 1/4".
2. Minimum 1/4" Diameter Tapcon Edge Distance from edge of concrete/block = 2 1/2".
3. Minimum 1/4" Diameter Tapcon embedment for hollow concrete block = 1 1/2".
4. Refer to "New Tapcon Design Data" and "ICBO Report #3370. October 1990".
5. Locate all Type "A" Anchors within 6" of interlocker ends, per test mock-up..
6. Locate Type "B" Head/Sill Anchors at 6" from frame ends and 21 5/8" O.C. Maximum, per test mock-up.
7. Locate Type "B" Jamb Anchors at 6" from frame ends and 24" O.C. Maximum, per test mock-up.
8. Elevation is scaled view of equivalent "test size" unit for "OX" or "XO" configuration only.
9. Locate Type "B" anchors for other size units per notes 6 and 7

PRODUCT RENEWED
ACCEPTANCE No. 99-1201.08
EXPIRATION DATE December 05 2000
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 05 1996
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0605.01

COMP. FILE 3500XMTL

STRUCTURAL CONCRETE/CBS CONSTRUCTION

Ballard K. Argue, P.E.
11/25/96
Expires 2/28/97

TM Window & Door Co.
601 NW 12 AVE., Pompano Beach, FL

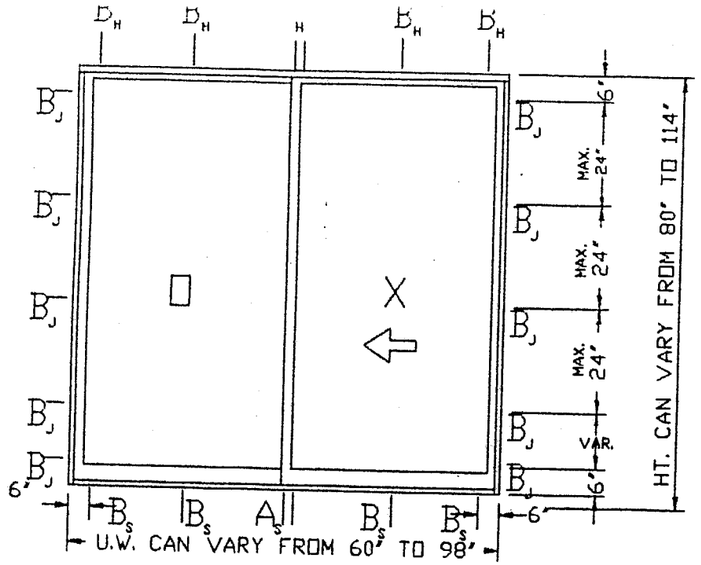
Product Description
Series 350 Alum. Sliding Glass Door

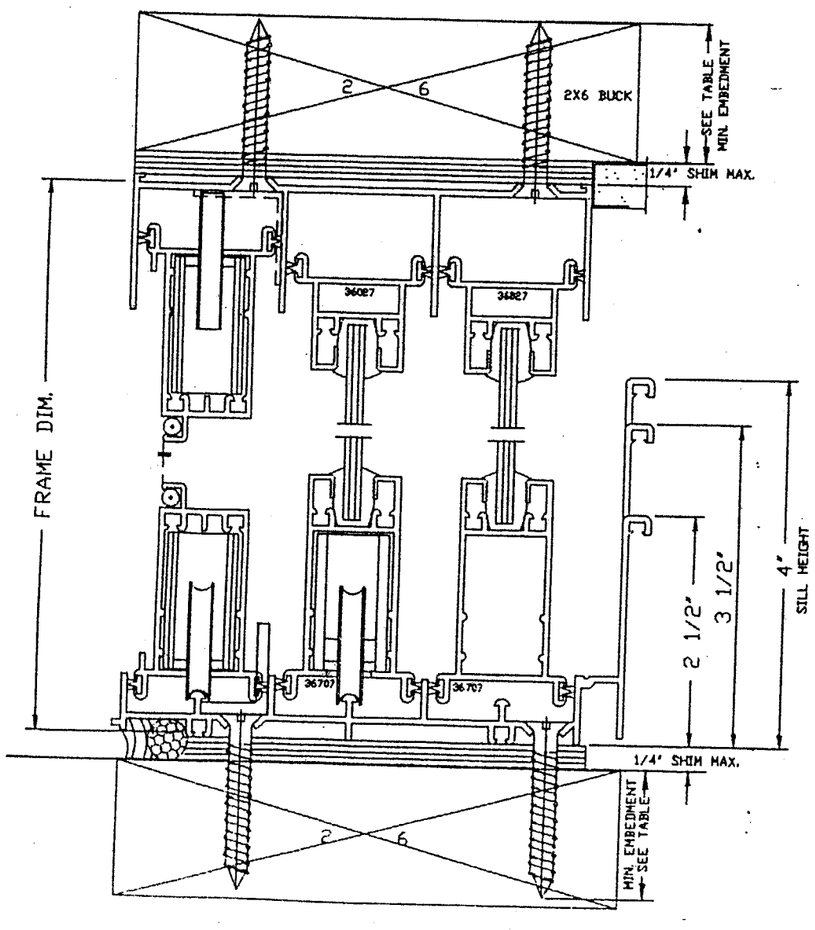
Glass Type
1/4" THICK TEMPERED GLASS

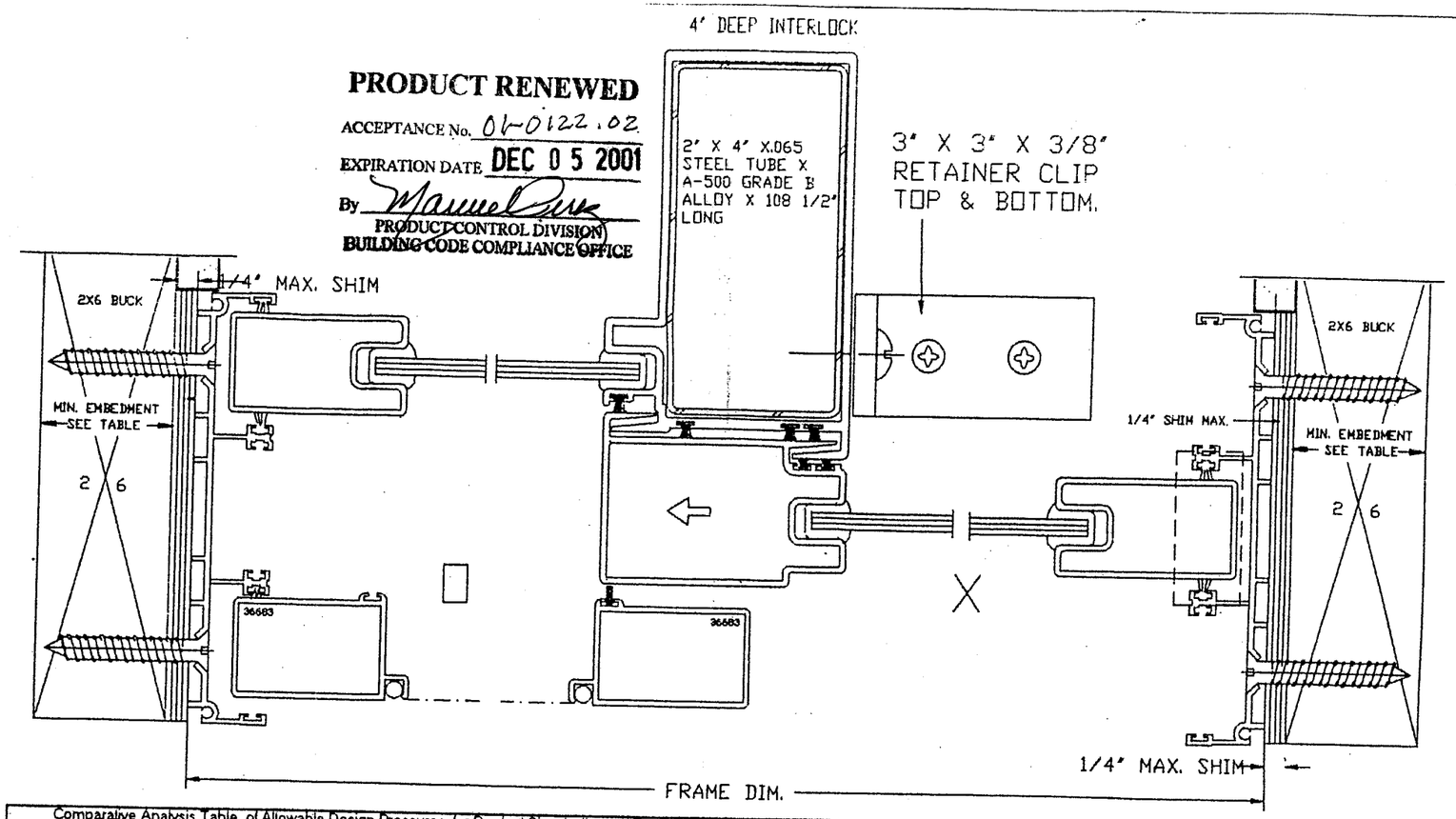
Testing Laboratory: Miami Testing Lab.
Test Report No: 16763 4/30/96

Dwg.No.	Config:	Sheet:	Date:	Rev.
350-J-C1	OX	1 of 1	10-1-96	11-25-96

Metro Dade Action: Product Approval Renewa







PRODUCT RENEWED
ACCEPTANCE No. 01-0122.02
EXPIRATION DATE DEC 05 2001
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated. For Test Report # 16763

TMWD Product Code	Project SGD Frame Size OX Width (in)	x Height (in)	Max Allowable Design Presure (psf) 2 1/2" Sill Height + Pos Dp	- Neg Dp	3 1/2" Sill Height + Pos Dp	- Neg Dp	4" Sill Height + Pos Dp	- Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Right Pan Head/Sill
5068	5'-0"	x 6'-8"	55.3	-228.7	86.7	-228.7	96.7	-228.7	4	2	2
6068	6'-0"	x 6'-8"	55.3	-190.6	86.7	-190.6	96.7	-190.6	4	2	2
8068	8'-0"	x 6'-8"	55.3	-142.9	86.7	-142.9	96.7	-142.9	4	3	3
5080	5'-0"	x 8'-0"	55.3	-206.3	86.7	-206.3	96.7	-206.3	5	2	2
6080	6'-0"	x 8'-0"	55.3	-178.1	86.7	-178.1	96.7	-178.1	5	2	2
8080	8'-0"	x 8'-0"	55.3	-142.9	86.7	-142.9	96.7	-142.9	5	3	3

Glass Lite Information – OX or XO Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 6 1/16) /2)"
Glass Lite Height = (SGD Frame Height - 4)"

Table of Required Anchors – Wood Frame Construction, for Test Report # 16763

Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	1 1/2" P.T. Sou. Pine	1740.8	6 ea #14 Sheet Metal Screw x 1 1/2" Penetration	1,2,3,6
As	1 1/2" P.T. Sou. Pine	1740.8	6 ea #14 Sheet Metal Screw x 1 1/2" Penetration	1,2,3,6
Bh	1 1/2" P.T. Sou. Pine	488.3	2 ea #14 Sheet Metal Screw x 1 1/4" Penetration	1,2,3,4,5
Bs	1 1/2" P.T. Sou. Pine	488.3	2 ea #14 Sheet Metal Screw x 1 1/4" Penetration	1,2,3,4,5
Bj	1 1/2" P.T. Sou. Pine	559.8	2 ea #14 Sheet Metal Screw x 1 1/2" Penetration	1,2,3,4,5

Notes:
1. Maximum shim space between sliding glass door frame and P.T. Southern Pine wood buck substrate = 1/4".
2. Referencas: "Wood Engineering Handbook", U.S. Forest Products Laboratory, 1974.
   "Southern Pine Manual", Southern Forest Products Assocaiation, 1975.
3. Locale all Type "A" Anchors within 6" of interlocker ends, per test mock-up..
4. Locale Type "B" Head/Sill Anchors at 6" from frame ends and 21 5/8" O.C. Maximum, per test mock-up.
5. Locale Type "B" Jamb Anchors at 6" from frame ends and 24" O.C. Maximum, per test mock-up.
6. Elevation is scaled view of equivalent "test size" unit for "OX" or "XO" configuration only.
7. Locale Type "B" anchors for other size units per notes 4 and 5.

PRODUCT RENEWED
ACCEPTANCE No. 99-1201.08
EXPIRATION DATE Dec 05, 2000
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

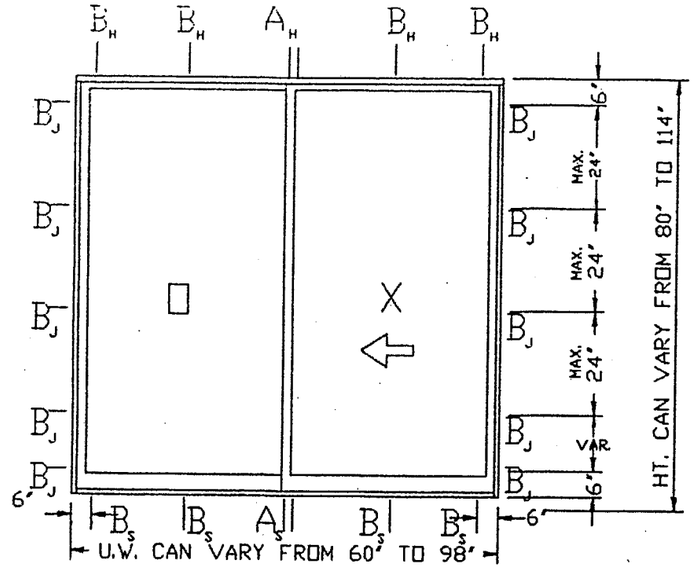
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 05 1996
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0605.01

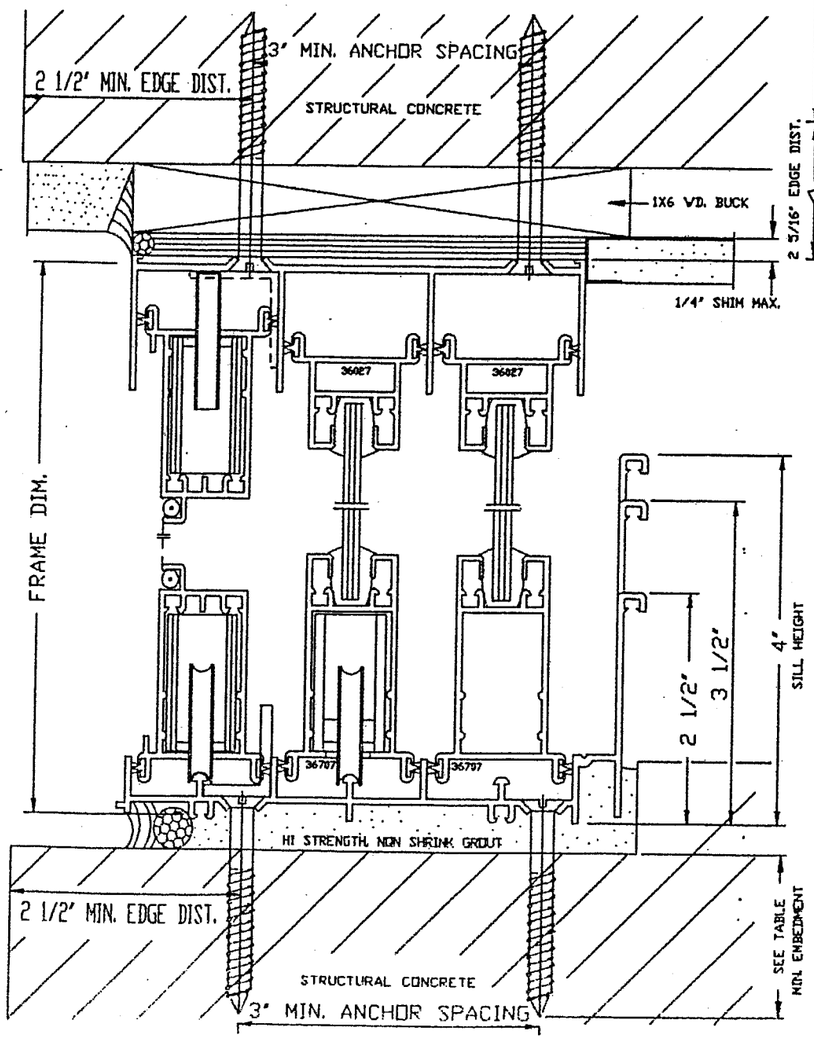
WOOD BUCK CONSTRUCTION

COMP. FILE 350OXMTL

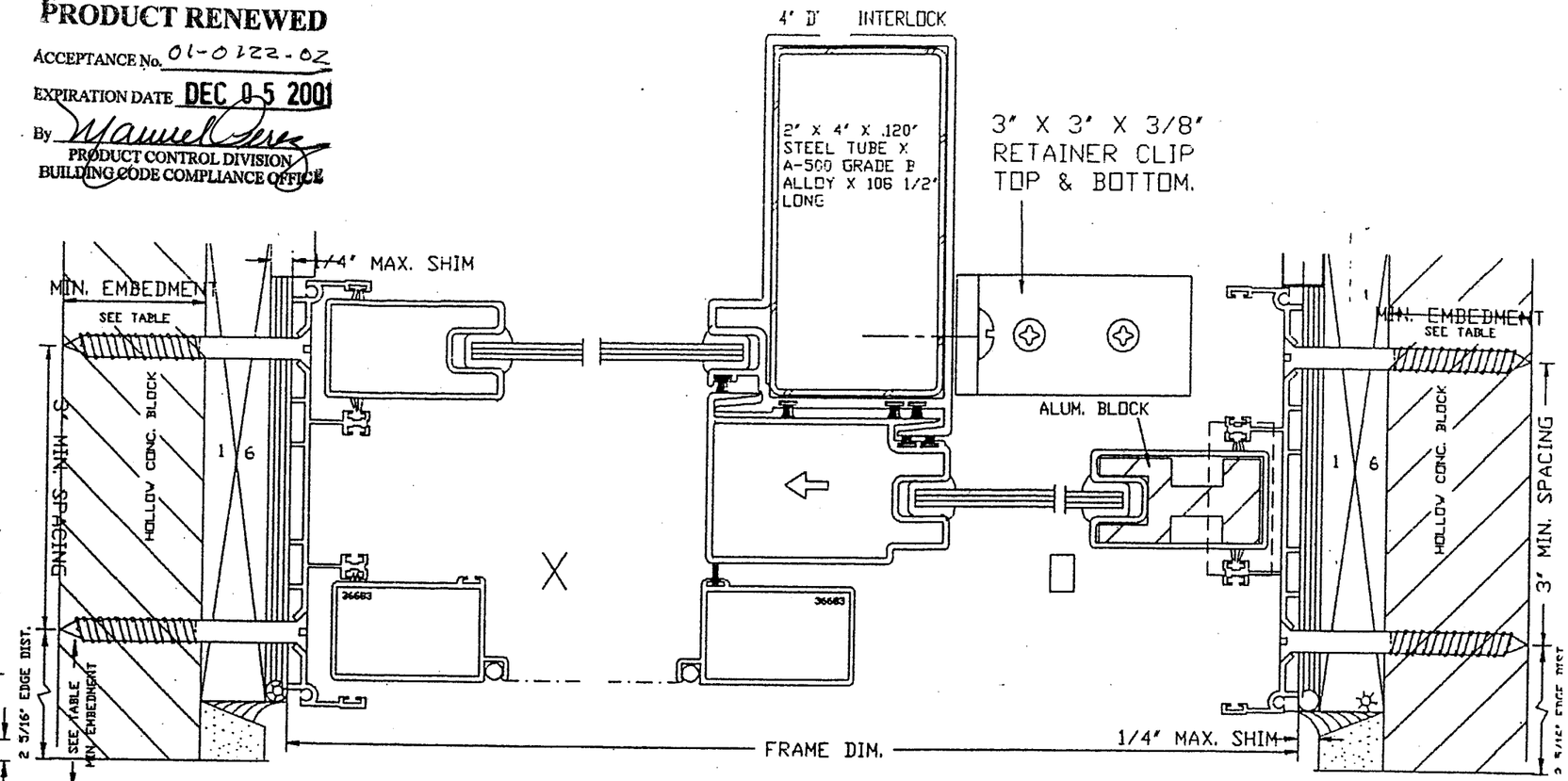
Ballard L. Argus, P.E.
11/25/96
Expires 2/28/97

TM Window & Door Co. 601 NW 12 AVE., Pompano Beach, FL				
Product Description Series 350 Alum. Sliding Glass Door				
Glass Type 1/4" THICK TEMPERED GLASS				
Testing Laboratory: Miami Testing Lab.				
Test Report No: 16763			4/30/96	
Dwg.No. 350-J-W1	Config: OX	Sheet: 1 of 1	Date: 10-1-96	Rev. 11-25-96
Metro Dade Action: Product Approval Renewal				





PRODUCT RENEWED
ACCEPTANCE No. 01-0122.02
EXPIRATION DATE DEC 05 2001
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated. For Test Report #	16708

TMWD Product Code	Project SGD Frame Size OX Width (in)	x	Height (in)	Max Allowable Design Presure (psf) 2 1/2" Sill Height + Pos Dp	- Neg Dp	3 1/2" Sill Height + Pos Dp	- Neg Dp	4" Sill Height + Pos Dp	- Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Right Pan Head/Sill
5068	5'-0"	x	6'-8"	55.3	-228.7	86.7	-228.7	96.7	-228.7	4	2	2
6068	6'-0"	x	6'-8"	55.3	-190.6	86.7	-190.6	96.7	-190.6	4	2	2
8068	8'-0"	x	6'-8"	55.3	-142.9	86.7	-142.9	96.7	-142.9	4	3	3
5080	5'-0"	x	8'-0"	55.3	-228.7	86.7	-228.7	96.7	-228.7	5	2	2
6080	6'-0"	x	8'-0"	55.3	-190.6	86.7	-190.6	96.7	-190.6	5	2	2
8080	8'-0"	x	8'-0"	55.3	-142.9	86.7	-142.9	96.7	-142.9	5	3	3

Glass Lite Information -- OX or XO Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 6 1/16) /2)"
Glass Lite Height = (SGD Frame Height - 4)"

Table of Required Anchors -- Structural Concrete/CBS Construction, for Test Report #	16708

Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	2000 psi Concrete	1929.4	6ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
As	2000 psi Concrete	1929.4	6ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
Bh	2000 psi Concrete	488.3	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bs	2000 psi Concrete	488.3	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Ah	4000 psi Concrete	1929.4	4 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
As	4000 psi Concrete	1929.4	4 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,5,8
Bh	4000 psi Concrete	488.3	1 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,6,8,9
Bs	4000 psi Concrete	488.3	1 ea 1/4" Dia Tapcon x 1 3/4" Embedment	1,2,4,6,8,9
Bj	Hollow Concrete Block	559.8	3 ea 1/4" Dia Tapcon x 1 1/2" Embedment	1,2,3,4,7,9

Notes:
1. Maximum shim space between sliding glass door frame and concrete/wood buck substrate = 1/4".
2. Minimum 1/4" Diameter Tapcon Edge Distance from edge of concrete/block = 2 1/2".
3. Minimum 1/4" Diameter Tapcon embedment for hollow concrete block = 1 1/2".
4. Refer to "New Tapcon Design Data" and "ICBO Report #3370, October 1990".
5. Locate all Type "A" Anchors within 6" of interlocker ends, per test mock-up..
6. Locate Type "B" Head/Sill Anchors at 6" from frame ends and 21 5/8" O.C. Maximum, per test mock-up.
7. Locate Type "B" Jamb Anchors at 6" from frame ends and 24" O.C. Maximum, per test mock-up
8. Elevation is scaled view of equivalent "test size" unit for "OX" or "XO" configuration only.
9. Locate Type "B" anchors for other size units per notes 6 and 7.

COMP FILE 3500XHTL

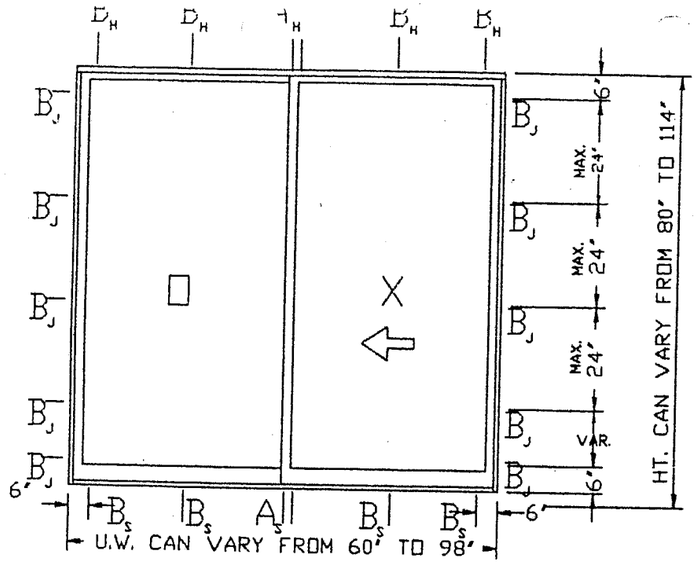
STRUCTURAL CONCRETE/CBS CONSTRUCTION

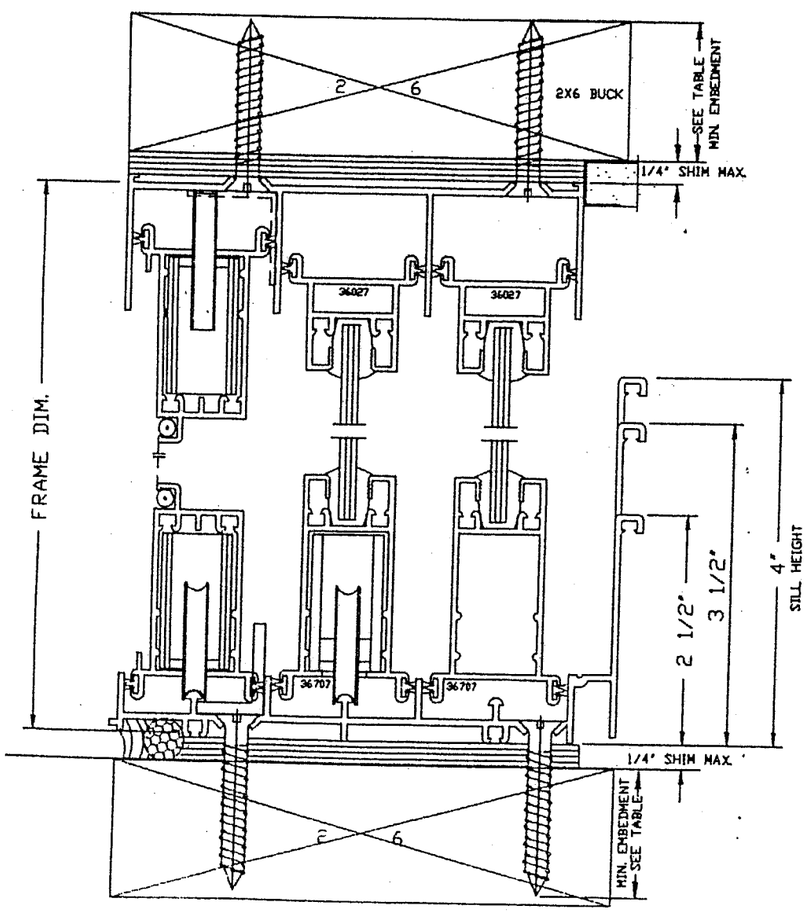
PRODUCT RENEWED
ACCEPTANCE No. 99-1201.08
EXPIRATION DATE Dec 05 2000
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

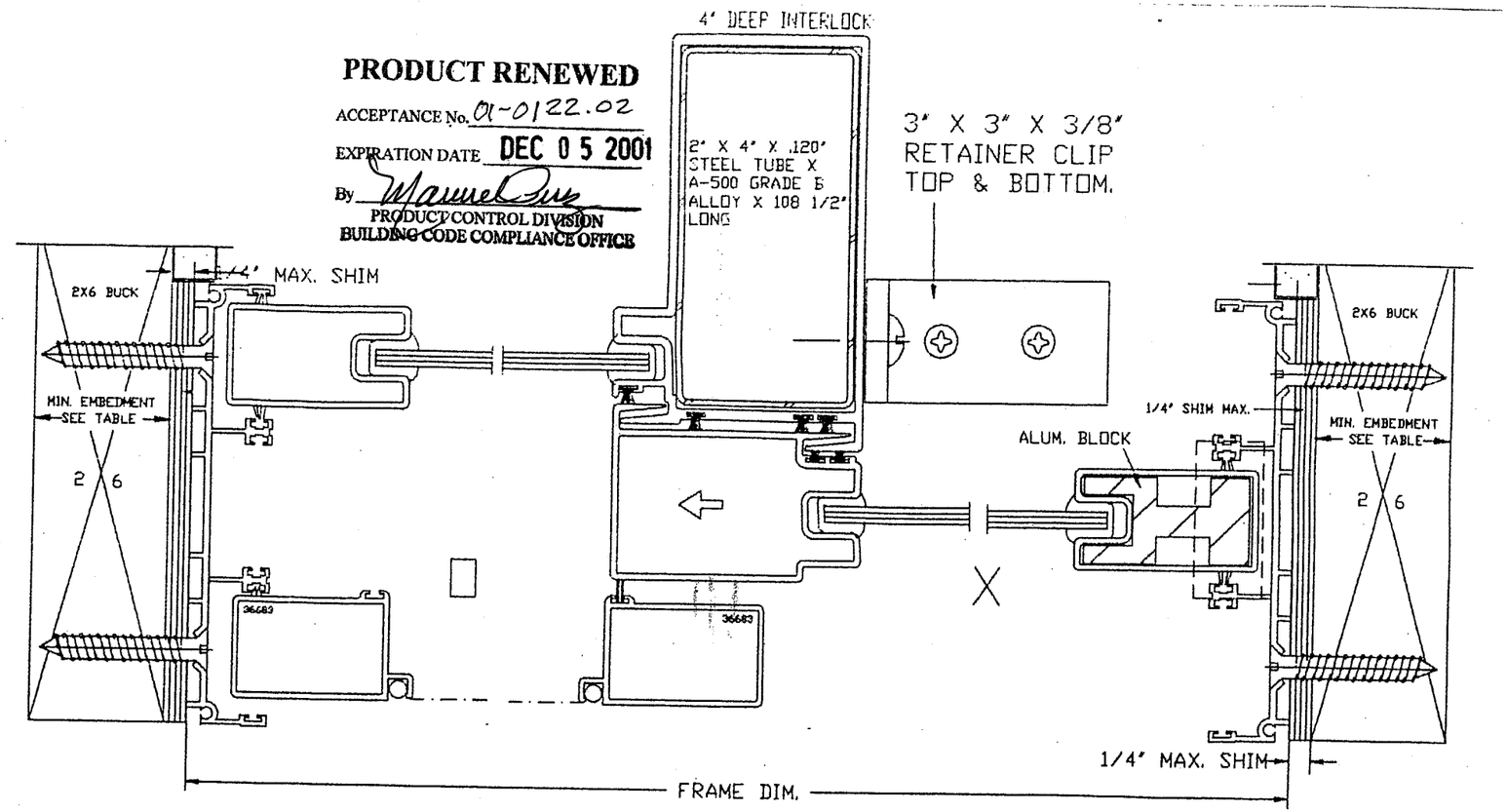
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 05 1996
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0605.01

Ballard L. Argus, P.E.
11/25/96

TM Window & Door Co. 601 NW 12 AVE., Pompano Beach, FL			
Product Description Series 350 Alum. Sliding Glass Door			
Glass Type 1/4" THICK TEMPERED GLASS			
Testing Laboratory: Miami Testing Lab			
Test Report No: 16708		4/11/96	
Dwg.No. 350-K-C1	Config: OX:	Sheet: 1 of 1	Date: 10-1-96 Rev. 11-25-9
Metro Dade Action: Product Approval Renewe			







PRODUCT RENEWED
ACCEPTANCE No. 01-0122.02
EXPIRATION DATE DEC 05 2001
By Manuel Arias
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated, For Test Report # 16708

TMWD Product Code	Project SGD Frame Size OX Width (in)	× Height (in)	Max Allowable Design Presure (psf) 2 1/2" Sill Height + Pos Dp	2 1/2" Sill Height - Neg Dp	3 1/2" Sill Height + Pos Dp	3 1/2" Sill Height - Neg Dp	4" Sill Height, + Pos Dp	4" Sill Height, - Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Right Pan Head/Sill
5068	5'-0"	× 6'-8"	55.3	-228.7	86.7	-228.7	96.7	-228.7	4	2	2
6068	6'-0"	× 6'-8"	55.3	-190.6	86.7	-190.6	96.7	-190.6	4	2	2
8068	8'-0"	× 6'-8"	55.3	-142.9	86.7	-142.9	96.7	-142.9	4	3	3
5080	5'-0"	× 8'-0"	55.3	-228.7	86.7	-228.7	96.7	-228.7	5	2	2
6080	6'-0"	× 8'-0"	55.3	-190.6	86.7	-190.6	96.7	-190.6	5	2	2
8080	8'-0"	× 8'-0"	55.3	-142.9	86.7	-142.9	96.7	-142.9	5	3	3

Glass Lite Information – OX or XO Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 6 1/16) /2)"
Glass Lite Height = (SGD Frame Height - 4)"

Table of Required Anchors – Wood Frame Construction, for Test Report # 16708

Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	1 1/2" P.T. Sou. Pine	1929.4	7 ea #14 Sheet Metal Screw × 1 1/2" Penetration	1,2,3,6
As	1 1/2" P.T. Sou. Pine	1929.4	7 ea #14 Sheet Metal Screw × 1 1/2" Penetration	1,2,3,6
Bh	1 1/2" P.T. Sou. Pine	488.3	2 ea #14 Sheet Metal Screw × 1 1/4" Penetration	1,2,3,4,5
Bs	1 1/2" P.T. Sou. Pine	488.3	2 ea #14 Sheet Metal Screw × 1 1/4" Penetration	1,2,3,4,5
Bj	1 1/2" P.T. Sou. Pine	559.8	2 ea #14 Sheet Metal Screw × 1 1/2" Penetration	1,2,3,4,5

Notes:
1. Maximum shim space between sliding glass door frame and P.T. Southern Pine wood buck substrate = 1/4".
2. References: "Wood Engineering Handbook", U.S. Forest Products Laboratory, 1974.
   "Southern Pine Manual", Southern Forest Products Assocaiation, 1975.
3. Locate all Type "A" Anchors within 6" of interlocker ends, per test mock-up..
4. Locate Type "B" Head/Sill Anchors at 6" from frame ends and 21 5/8" O.C. Maximum, per test mock-up.
5. Locate Type "B" Jamb Anchors at 6" from frame ends and 24" O.C. Maximum, per test mock-up.
6. Elevation is scaled view of equivalent "test size" unit for "OX" or "XO" configuration only.
7. Locate Type "B" anchors for other size units per notes 4 and 5.

PRODUCT RENEWED
ACCEPTANCE No. 99-1201.08
EXPIRATION DATE December 05, 2000
By Manuel Arias
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 05 1996
BY Manuel Arias
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 96-0605.01

WOOD BUCK CONSTRUCTION

Bollard L. Argus, P.E.
11/25/96
Expires 2/28/97

TM Window & Door Co.
601 NW 12 AVE., Pompano Beach, FL

Product Description
Series 350 Alum. Sliding Glass Door

Glass Type
1/4" THICK TEMPERED GLASS

Testing Laboratory: Miami Testing Lab.
Test Report No: 16708 4/11/96

Dwg.No.	Config:	Sheet:	Date:	Rev.
350-K-W1	OX	1 of 1	10-1-96	11-25-96

Metro Dade Action: Product Approval Renewal

COMP FILE 350DXMTL