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 (No Reinforcement)
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.: 01-1128.03
EXPIRES: 12/02/2002

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: 12/20/2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** Notice of Acceptance (NOA) No. **01-0122.01**, which was issued on April 26, 2001. It renews the approval of an aluminum sliding glass door, as described in Section 2 of this NOA, 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" Aluminum Sliding Glass Door (No reinforcement)** and its components shall be constructed in strict compliance with the following document: Drawing **310-N3-C1, 310-N3-C2, 310-N3-C3, 310-N3-W1, 310-N3-W2 and 310-N3-W3**, Sheets 1 through 6 of 6, titled "Series 310 Alum Sliding Glass Door – XO, OXO, OXXO," prepared by manufacturer, dated 9/23/96, revised on 11/18/96, signed and sealed by Ballard L. Argus, P.E., bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

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

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

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

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.

Raul Rodriguez, Chief
Product Control Division

TM Window & Door Co. **ACCEPTANCE No.: 01-1128.03**

APPROVED: December 20, 2001

EXPIRES: December 2, 2002

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.

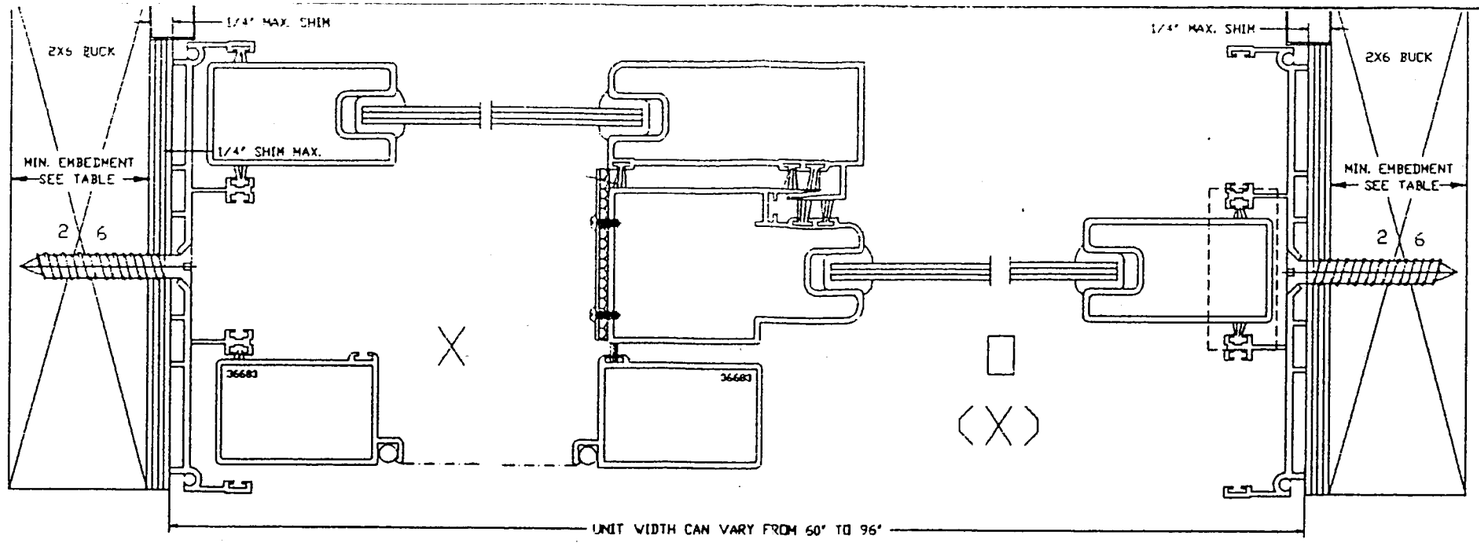
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.

8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.

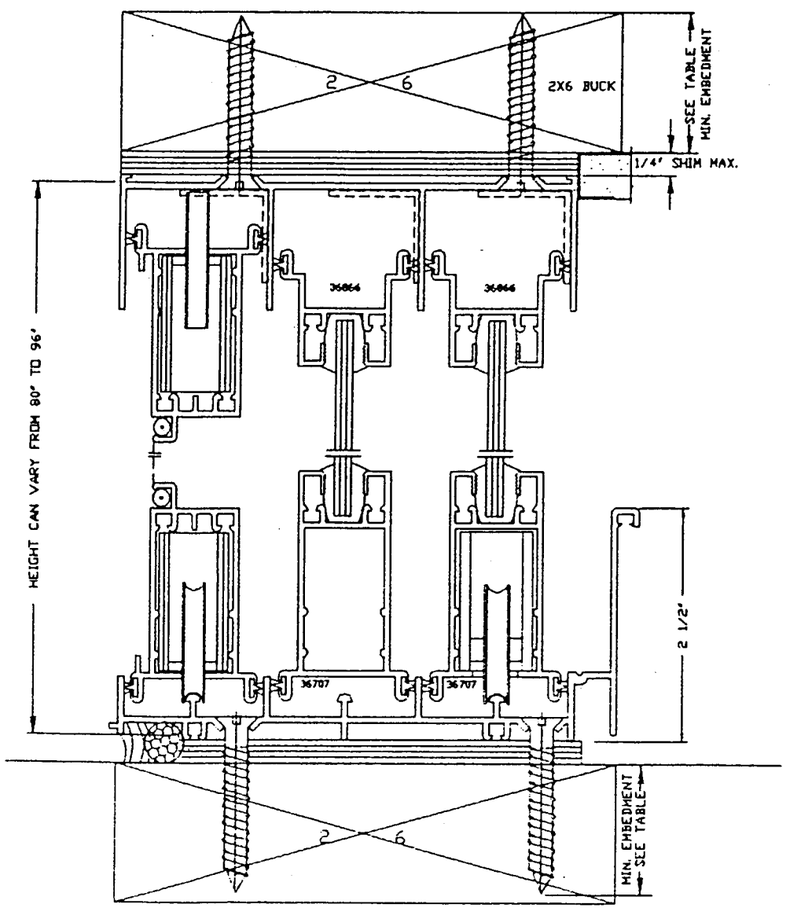
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

Raul Rodriguez, Chief
Product Control Division



PRODUCT RENEWED
ACCEPTANCE No. 99-1201.02
EXPIRATION DATE December 02 2000
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated. For Test Report # 15934

TMWD Product Code	Project SGD Frame Size OX Width (in)	x	Height (in)	Max Allow Dp (psf) 2 1/2" 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	-55.8	4	2	2
6068	6'-0"	x	6'-8"	48.7	-48.7	4	2	2
8068	8'-0"	x	6'-8"	40.4	-40.4	4	2	2
5080	5'-0"	x	8'-0"	44.6	-44.6	5	2	2
6080	6'-0"	x	8'-0"	38.5	-38.5	5	2	2
8080	8'-0"	x	8'-0"	31.2	-31.2	5	2	2

Table of Required Anchors – Wood Frame Construction, for Test Report # 15934

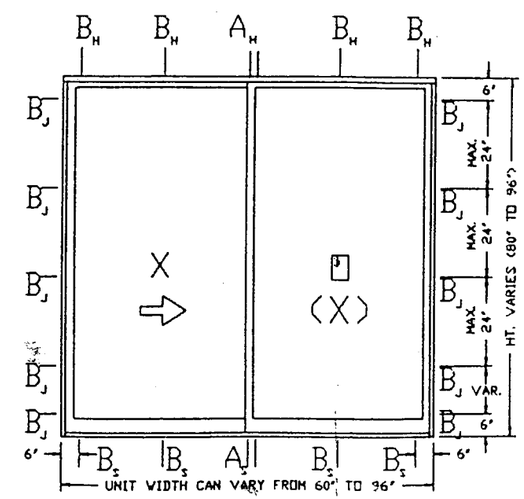
Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	1 1/2" P.T. Sou. Pine	378.0	2ea #10 Sheet Metal Screw x 1 1/4" Penetration	1,2,3,6
As	1 1/2" P.T. Sou. Pine	378.0	2ea #10 Sheet Metal Screw x 1 1/4" Penetration	1,2,3,6
Bh	1 1/2" P.T. Sou. Pine	145.4	1 ea #10 Sheet Metal Screw x 1" Penetration	1,2,3,4,5
Bs	1 1/2" P.T. Sou. Pine	145.4	1 ea #10 Sheet Metal Screw x 1" Penetration	1,2,3,4,5
Bj	1 1/2" P.T. Sou. Pine	161.4	1 ea #12 Sheet Metal Screw x 1" 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", "XO", or "XX" configuration.
7. Locate Type "B" anchors for other size units per notes 4 and 5.

PRODUCT RENEWED
ACCEPTANCE No. 01-1128.03
EXPIRATION DATE December 2, 2002
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

PRODUCT RENEWED
ACCEPTANCE No. 01-0122.01
EXPIRATION DATE DEC 02 2001
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 02, 1996
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 95-0825.08



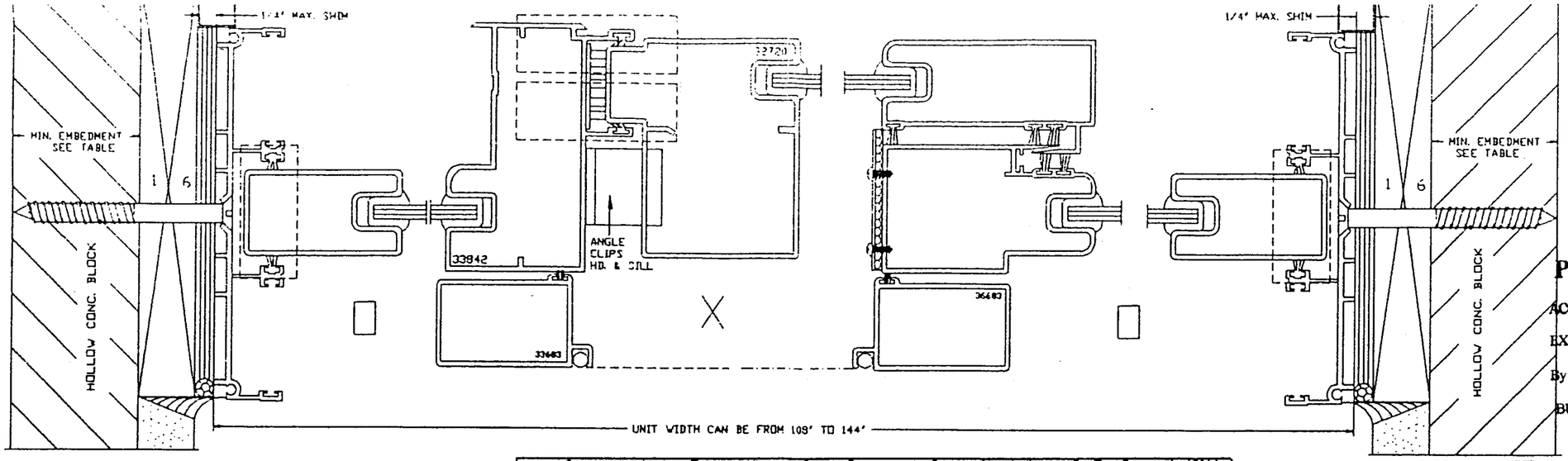
Glass Lite Information – OX, XO, or XX Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 6 1/16)/2)"
Glass Lite Height = (SGD Frame Height - 4)"

WOOD BUCK CONSTRUCTION

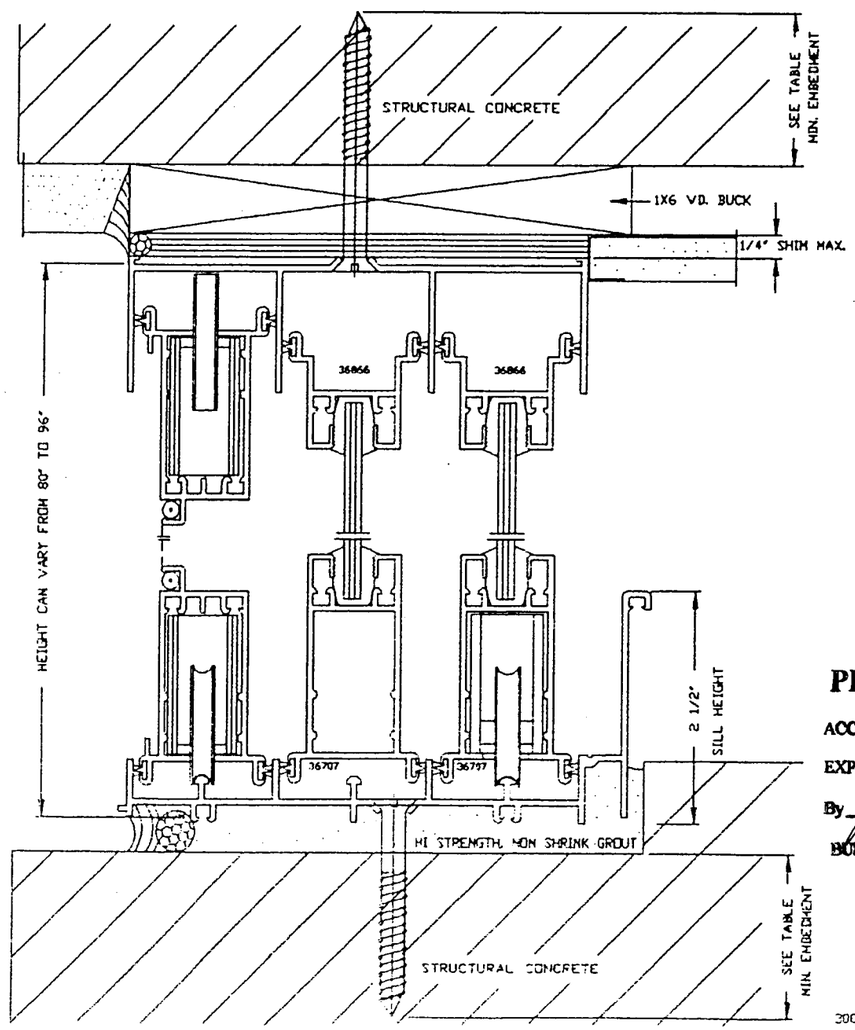
"30V15934"

Ballard G. Arbuckle P.E.
11/18/96

TM Window & Door Co. 601 NW 12 AVE., Pompano Beach, FL				
Product Description Series 310 Alum. Sliding Glass Door				
Glass Type 3/16" Thick Tempered Glass				
Testing Laboratory: Miami Testing Lab.				
Test Report No: 15934			10/14/94	
Dwg.No. 310-N3-WI	Config: XO	Sheet: 1 of 1	Date: 9/23/96	Rev. 11-18-96
Metro Dade Action: Product Approval Renewal				



PRODUCT RENEWED
ACCEPTANCE No. 99-1201.02
EXPIRATION DATE 12/02/2000
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated, For Test Report #	15934

TMWD Product Code	Project SGD Frame Size OXO Width (in)	x	Height (in)	Max Allow Dp (psf) 2 1/2" Sill Height + Pos Dp	- Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Mid Pan Head/Sill	"B" Anch Right Pan Head/Sill
9068	9'-0"	x	6'-8"	48.9	-48.9	4	2	1	2
10668	10'-6"	x	6'-8"	44.0	-44.0	4	2	1	2
12068	12'-0"	x	6'-8"	40.6	-40.6	4	2	2	2
9080	9'-0"	x	8'-0"	38.1	-38.1	5	2	1	2
10680	10'-6"	x	8'-0"	33.2	-33.2	5	2	1	2
12080	12'-0"	x	8'-0"	29.6	-29.6	5	2	2	2

Table of Required Anchors – Structural Concrete/CBS Construction, for Test Report #	15934

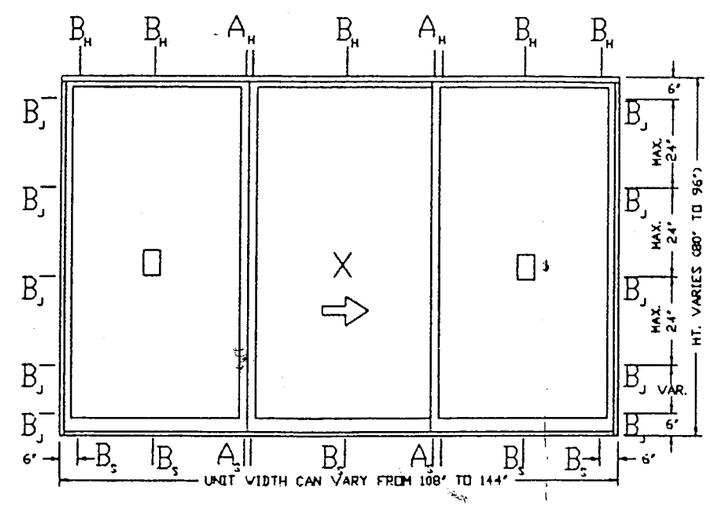
Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	2000 psi Concrete	378.7	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
As	2000 psi Concrete	378.7	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
Bh	2000 psi Concrete	146.2	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bs	2000 psi Concrete	146.2	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Ah	4000 psi Concrete	378.7	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
As	4000 psi Concrete	378.7	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
Bh	4000 psi Concrete	146.2	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bs	4000 psi Concrete	146.2	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bj	Hollow Concrete Block	162.3	1 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 5" from frame ends and 24" O.C. Maximum, per test mock-up.
8. Elevation is scaled view of equivalent "test size" unit for "OXO" or "OXX" configuration.
9. Locate Type "B" anchors for other size units per notes 6 and 7.

PRODUCT RENEWED
ACCEPTANCE No. 01-1128.03
EXPIRATION DATE December 2, 2002
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

PRODUCT RENEWED
ACCEPTANCE No. 01-0122.01
EXPIRATION DATE DEC 0 2 2001
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 03 1996
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 95-0825.08



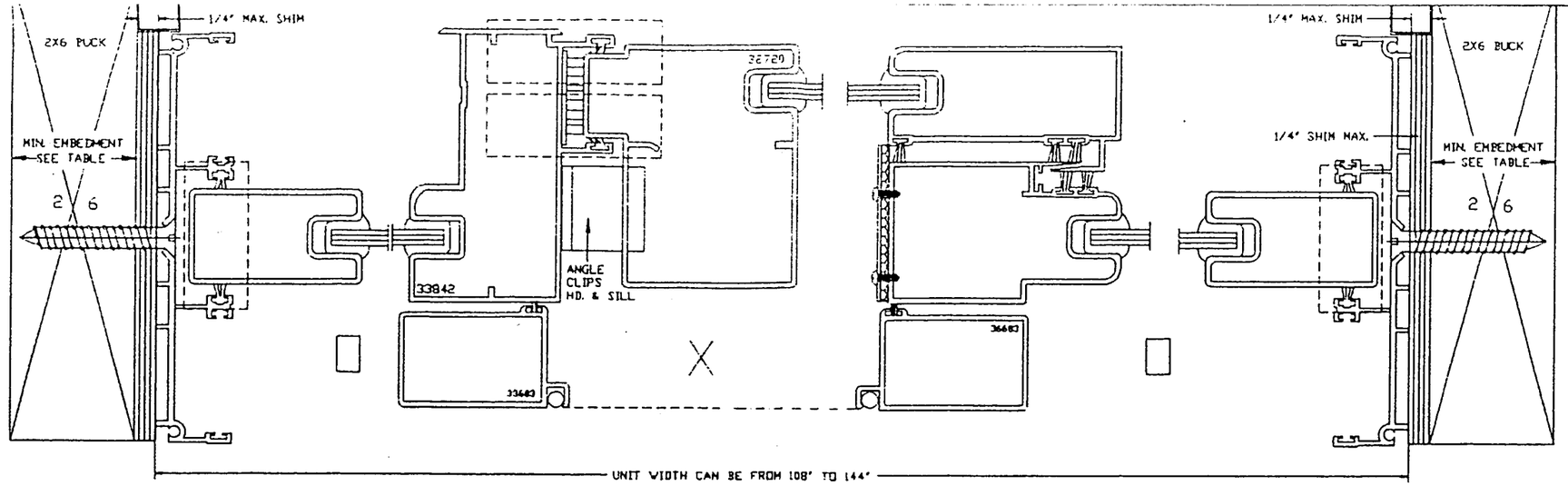
Glass Lite Information – OXO or OXX Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 10) /3)"
Glass Lite Height = (SGD Frame Height - 4)"

STRUCTURAL CONCRETE/CBS CONSTRUCTION

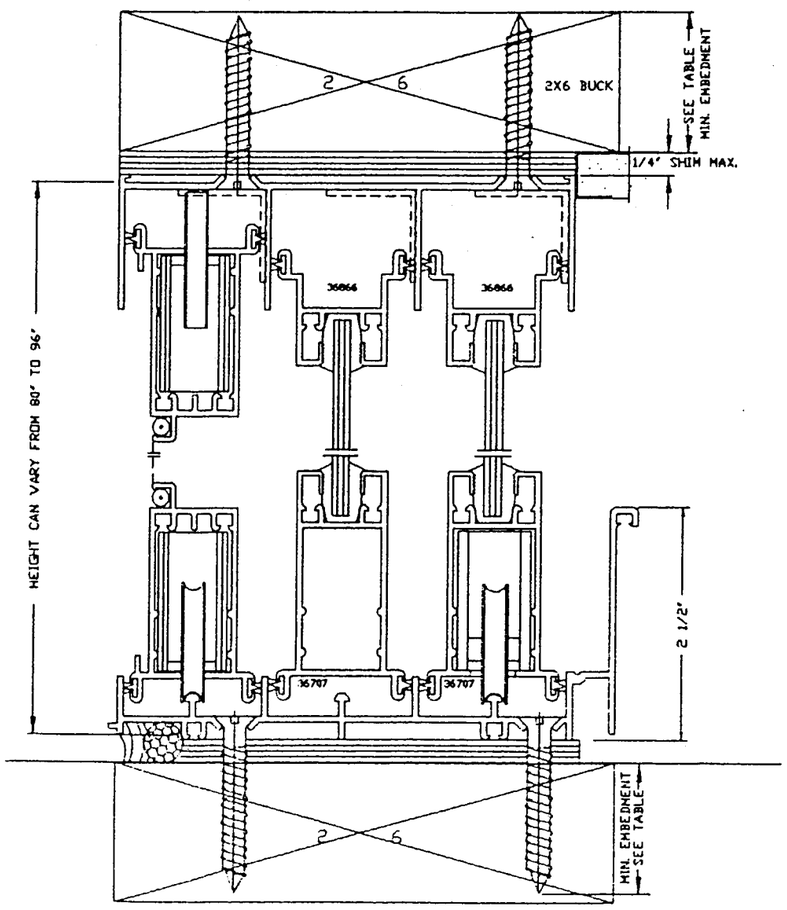
Ballard L. Argus, P.E.
11/18/96
Expires 2/28/97

TM Window & Door Co. 601 NW 12 AVE., Pompano Beach, FL				
Product Description Series 310 Alum. Sliding Glass Door				
Glass Type 3/16" Thick Tempered Glass				
Testing Laboratory: Miami Testing Lab.				
Test Report No: 15934			10/14/94	
Dwg.No. 310-N1-C2	Config: OXO	Sheet: 1 of 1	Date: 9/23/96	Rev. 11-18-96
Metro Dade Action: Product Approval Renewal				

30015934



PRODUCT RENEWED
ACCEPTANCE No. 99-1201.02
EXPIRATION DATE 12/02/2000
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated, For Test Report # 15934

TMWD Product Code	Project SGD Frame Size OXO Width (in)	x	Height (in)	Max Allow Dp (psf) 2 1/2" Sill Height + Pos Dp	- Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Mid Pan Head/Sill	"B" Anch Right Pan Head/Sill
9068	9'-0"	x	6'-8"	48.9	-48.9	4	2	1	2
10668	10'-6"	x	6'-8"	44.0	-44.0	4	2	1	2
12068	12'-0"	x	6'-8"	40.6	-40.6	4	2	2	2
9080	9'-0"	x	8'-0"	38.1	-38.1	5	2	1	2
10680	10'-6"	x	8'-0"	33.2	-33.2	5	2	1	2
12080	12'-0"	x	8'-0"	29.6	-29.6	5	2	2	2

Table of Required Anchors – Wood Frame Construction, for Test Report # 15934

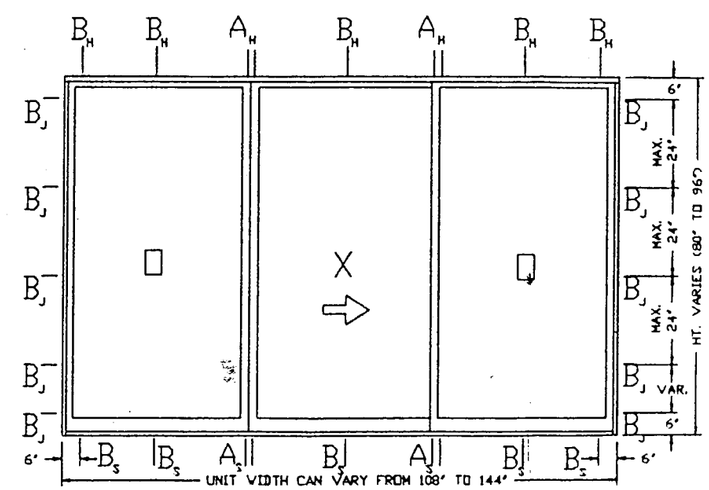
Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	1 1/2" P.T. Sou. Pine	378.7	2ea #10 Sheet Metal Screw x 1 1/4" Penetration	1,2,3,6
As	1 1/2" P.T. Sou. Pine	378.7	2ea #10 Sheet Metal Screw x 1 1/4" Penetration	1,2,3,6
Bh	1 1/2" P.T. Sou. Pine	146.2	1 ea #10 Sheet Metal Screw x 1" Penetration	1,2,3,4,5
Bs	1 1/2" P.T. Sou. Pine	146.2	1 ea #10 Sheet Metal Screw x 1" Penetration	1,2,3,4,5
Bj	1 1/2" P.T. Sou. Pine	162.3	1 ea #12 Sheet Metal Screw x 1" 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 "OXO" or "OXX" configuration.
7. Locate Type "B" anchors for other size units per notes 4 and 5.

PRODUCT RENEWED
ACCEPTANCE No. 01-1128.03
EXPIRATION DATE December 2, 2002
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

PRODUCT RENEWED
ACCEPTANCE No. 01-0122.01
EXPIRATION DATE DEC 0 2 2001
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 02, 1996
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 95-0825.08



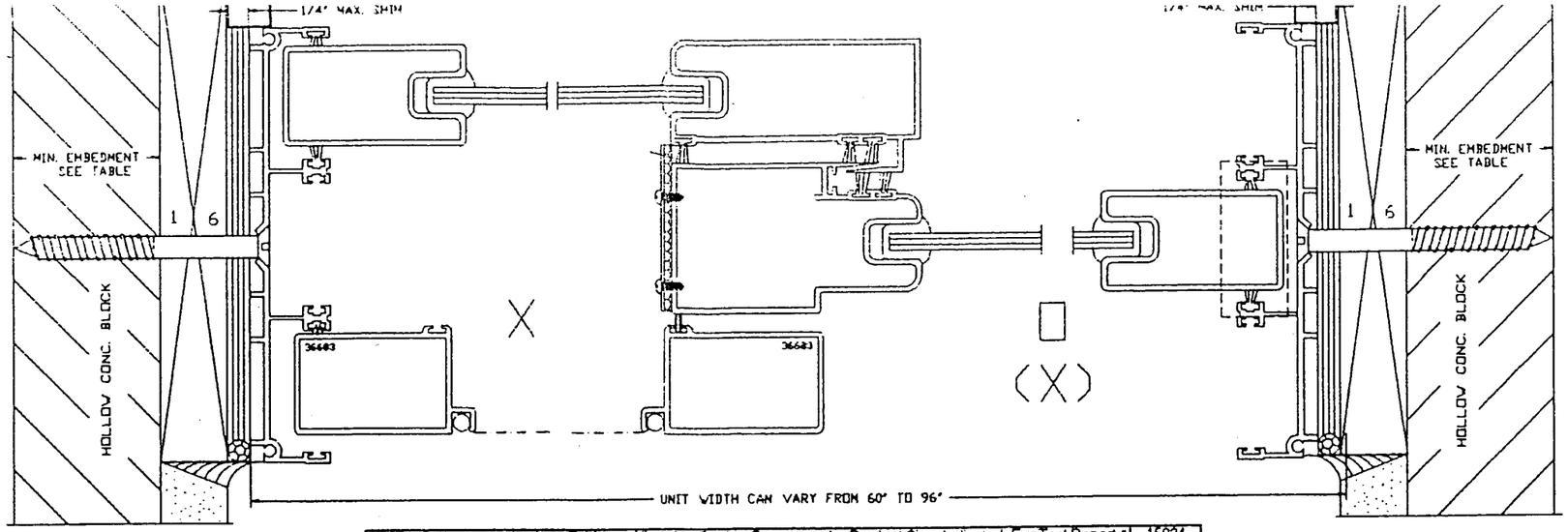
Glass Lite Information – OXO or OXX Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = (SGD Frame Width - 10) /3)"
Glass Lite Height = (SGD Frame Height - 4)"

WOOD BUCK CONSTRUCTION

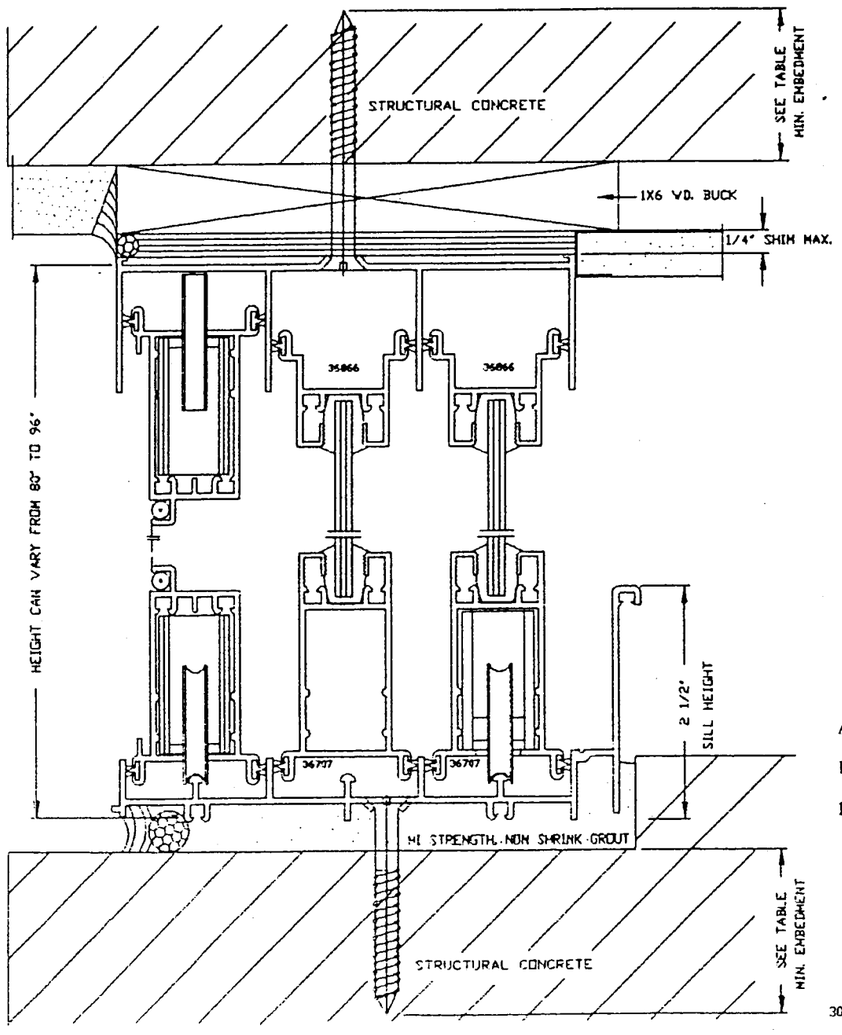
'30W15934'

Ballard L. Argus, P.E.
11/18/96

TM Window & Door Co. 601 NW 12 AVE., Pompano Beach, FL				
Product Description Series 310 Alum. Sliding Glass Door				
Glass Type 3/16" Thick Tempered Glass				
Testing Laboratory: Miami Testing Lab.				
Test Report No: 15934			10/14/94	
Dwg.No.	Config:	Sheet:	Date:	Rev.
310-N3-W2	OXO	1 of 1	9/23/96	11-18-96
Metro Dade Action: Product Approval Renewal				



PRODUCT RENEWED
ACCEPTANCE No. 99-1201.02
EXPIRATION DATE December, 02
By Manuel Sere
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated. For Test Report # 15934

TMWD Product Code	Project SGD Frame Size OX Width (in)	x	Height (in)	Max Allow Dp (psf) 2 1/2" 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	-55.8	4	2	2
6068	6'-0"	x	6'-8"	48.7	-48.7	4	2	2
8068	8'-0"	x	6'-8"	40.4	-40.4	4	2	2
5080	5'-0"	x	8'-0"	44.6	-44.6	5	2	2
6080	6'-0"	x	8'-0"	38.5	-38.5	5	2	2
8080	8'-0"	x	8'-0"	31.2	-31.2	5	2	2

Table of Required Anchors -- Structural Concrete/CBS Construction, for Test Report # 15934

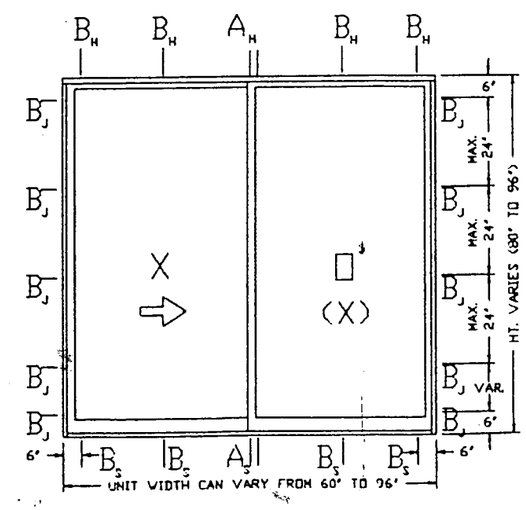
Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	2000 psi Concrete	378.0	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
As	2000 psi Concrete	378.0	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
Bh	2000 psi Concrete	145.4	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bs	2000 psi Concrete	145.4	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Ah	4000 psi Concrete	378.0	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
As	4000 psi Concrete	378.0	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
Bh	4000 psi Concrete	145.4	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bs	4000 psi Concrete	145.4	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bj	Hollow Concrete Block	161.4	1 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", "XO", or "XX" configuration.
9. Locate Type "B" anchors for other size units per notes 6 and 7.

PRODUCT RENEWED
ACCEPTANCE No. 01-1128.03
EXPIRATION DATE December 2, 2002
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

PRODUCT RENEWED
ACCEPTANCE No. 01-0122.01
EXPIRATION DATE DEC 0 2 2001
By Manuel Sere
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 02 19 96
BY Manuel Sere
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 95-0825.08



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

STRUCTURAL CONCRETE/CBS CONSTRUCTION

Ballard L. Argus, P.E.
11/18/96
Expires 2/28/97

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

Product Description
Series 310 Alum. Sliding Glass Door

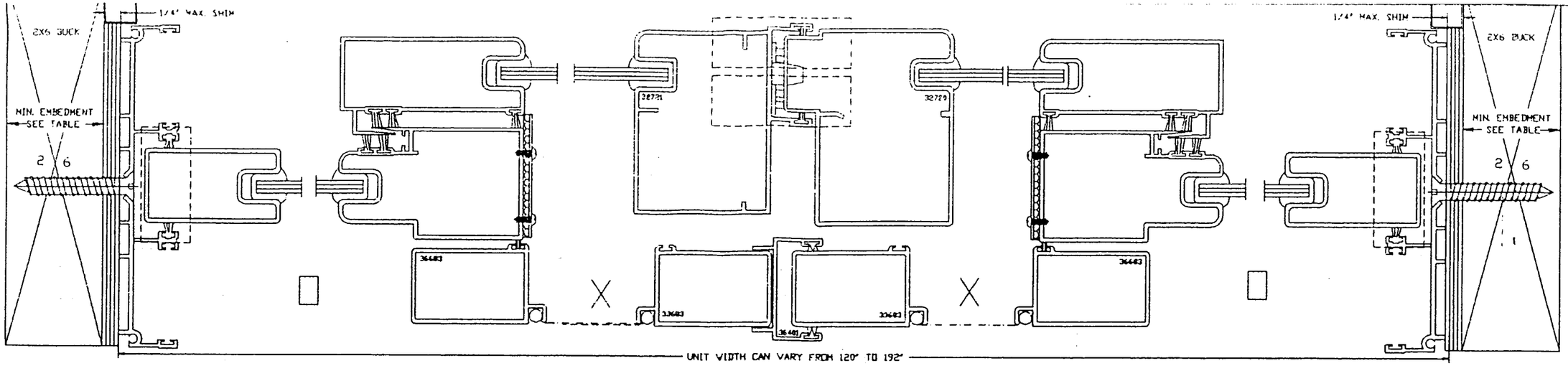
Glass Type
3/16" Thick Tempered Glass

Testing Laboratory: Miami Testing Lab.
Test Report No: 15934 10/14/94

Dwg.No.	Config:	Sheet:	Date:	Rev.
310-N3-C1	XO	1 of 1	9/23/96	11-18-96

Metro Dade Action: Product Approval Renewal

30C15934



Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated. For Test Report # 15934

TMWD Product Code	Project SGD Frame Dim OXXO Width (in)	x	Height (in)	Max Allow Dp (psf) 2 1/2" Sill Height + Pos Dp	- Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Mid Pan(s) Head/Sill	"B" Anch Right Pan Head/Sill
10068	10'-0"	x	6'-8"	55.3	-55.8	4	2	1	2
12068	12'-0"	x	6'-8"	48.8	-48.8	4	2	1	2
16068	16'-0"	x	6'-8"	40.5	-40.5	4	2	2	2
10080	10'-0"	x	8'-0"	43.3	-43.3	5	2	1	2
12080	12'-0"	x	8'-0"	36.4	-36.4	5	2	1	2
16080	16'-0"	x	8'-0"	28.9	-28.9	5	2	2	2

PRODUCT RENEWED
ACCEPTANCE No. 99-1201.02
EXPIRATION DATE December 02, 2000
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 03 19 96
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 95-0825.08

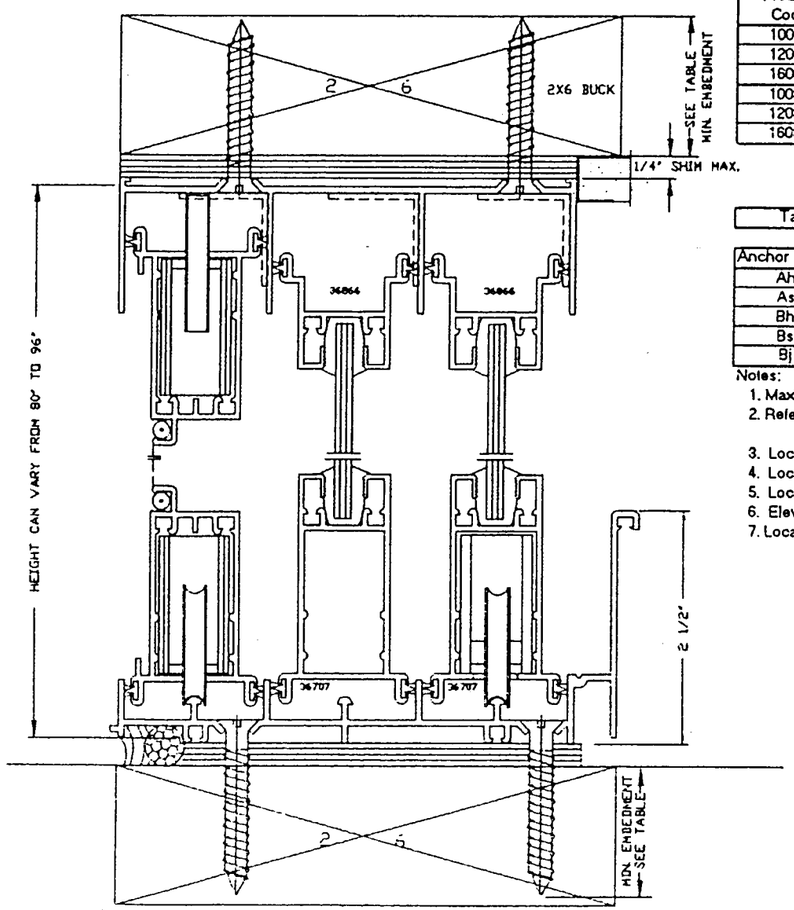


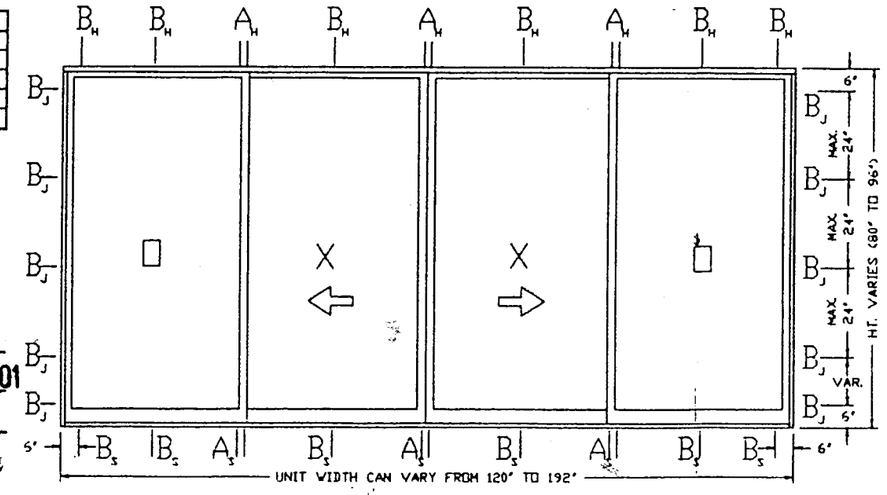
Table of Required Anchors – Wood Frame Construction, for Test Report # 15934

Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	1 1/2" P.T. Sou. Pine	378.2	2ea #10 Sheet Metal Screw x 1 1/4" Penetration	1,2,3,6
As	1 1/2" P.T. Sou. Pine	378.2	2ea #10 Sheet Metal Screw x 1 1/4" Penetration	1,2,3,6
Bh	1 1/2" P.T. Sou. Pine	146.0	1 ea #10 Sheet Metal Screw x 1" Penetration	1,2,3,4,5
Bs	1 1/2" P.T. Sou. Pine	146.0	1 ea #10 Sheet Metal Screw x 1" Penetration	1,2,3,4,5
Bj	1 1/2" P.T. Sou. Pine	162.1	1 ea #12 Sheet Metal Screw x 1" 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 "OXXO" or "OXXX" configuration.
7. Locate Type "B" anchors for other size units per notes 4 and 5.

PRODUCT RENEWED
ACCEPTANCE No. 01-1129.03
EXPIRATION DATE December 2, 2002
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

PRODUCT RENEWED
ACCEPTANCE No. 01-0122.01
EXPIRATION DATE DEC 0 2 2001
By Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



Glass Lite Information – OXXO or OXXX Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 11 7/8) /4)"
Glass Lite Height = (SGD Frame Height - 4)"

WOOD BUCK CONSTRUCTION

Ballard E. Argus, P.E.
11/18/96
Expires 2/28/97

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

Product Description
Series 310 Alum. Sliding Glass Door

Glass Type
3/16" Thick Tempered Glass

Testing Laboratory: Miami Testing Lab.

Test Report No: 15934 10/14/94

Dwg.No.	Config:	Sheet:	Date:	Rev.
310-H3-W3	OXXO	1 of 1	9/23/96	11-18-96

Metro Dade Action: Product Approval Renewal

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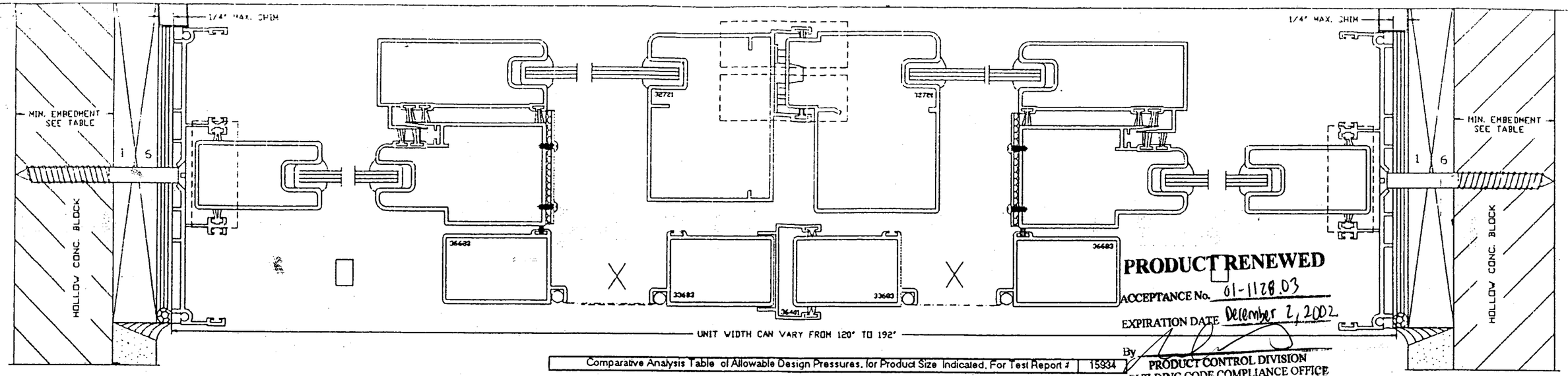


PRODUCT RENEWED
ACCEPTANCE No. 01-1128.03
EXPIRATION DATE December 2, 2002
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

Comparative Analysis Table of Allowable Design Pressures, for Product Size Indicated, For Test Report # 15934

TMWD Product Code	Project SGD Frame Dim OXXO Width (in)	x	Height (in)	Max Allow Dp (psf) 2 1/2" Sill Height + Pos Dp	- Neg Dp	"B" Anch Each Jamb	"B" Anch Left Pan Head/Sill	"B" Anch Mid Pan(s) Head/Sill	"B" Anch Right Pan Head/Sill
10068	10'-0"	x	6'-8"	55.3	-55.8	4	2	1	2
12068	12'-0"	x	6'-8"	48.8	-48.8	4	2	1	2
16068	16'-0"	x	6'-8"	40.5	-40.5	4	2	2	2
10080	10'-0"	x	8'-0"	43.3	-43.3	5	2	1	2
12080	12'-0"	x	8'-0"	36.4	-36.4	5	2	1	2
16080	16'-0"	x	8'-0"	28.9	-28.9	5	2	2	2

PRODUCT RENEWED
ACCEPTANCE No. 99-1201.02
EXPIRATION DATE 12/02/2000
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 03 1996
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 95-0825.08

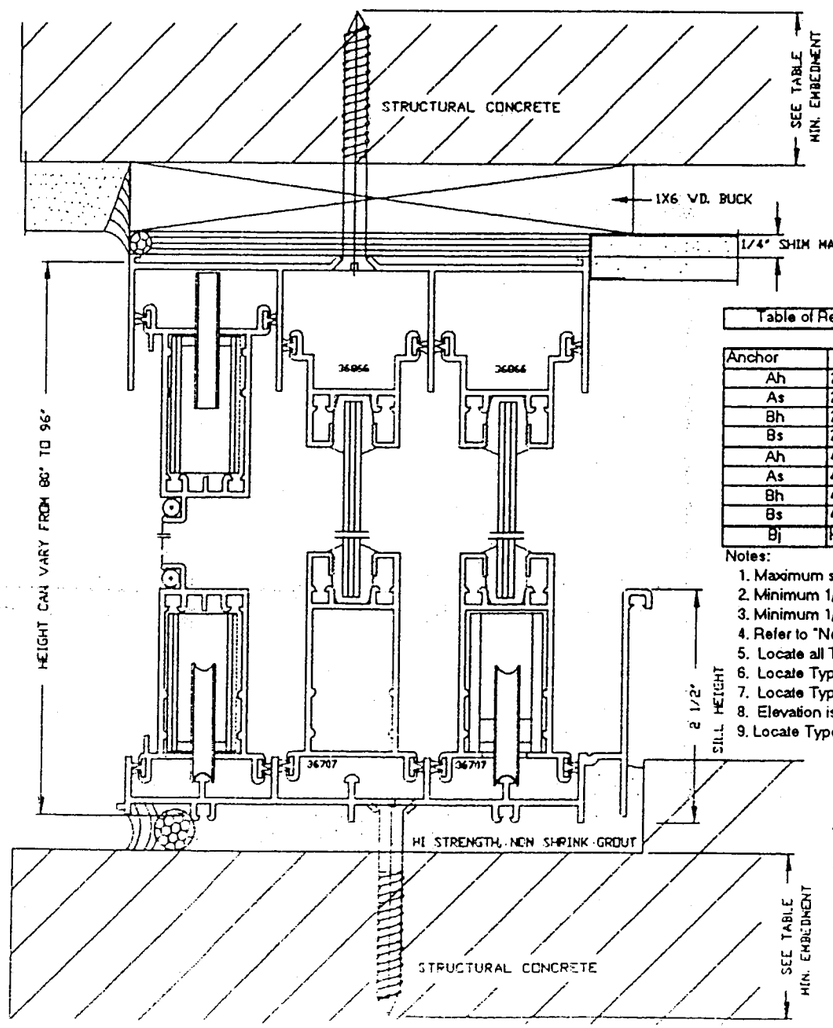


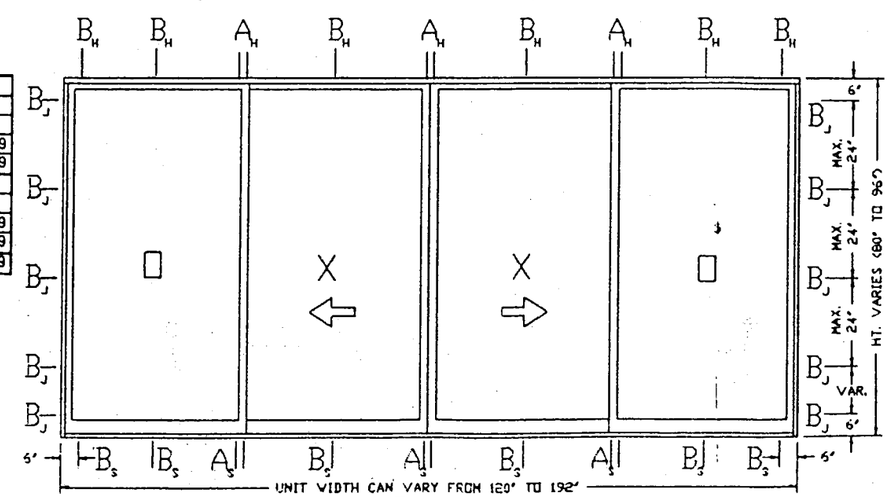
Table of Required Anchors – Structural Concrete/CBS Construction, for Test Report # 15934

Anchor	Substrate Type	Vmax (lb)	Use Anchor Type	Notes
Ah	2000 psi Concrete	378.2	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
As	2000 psi Concrete	378.2	2 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
Bh	2000 psi Concrete	146.0	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bs	2000 psi Concrete	146.0	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Ah	4000 psi Concrete	378.2	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
As	4000 psi Concrete	378.2	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,5,8
Bh	4000 psi Concrete	146.0	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bs	4000 psi Concrete	146.0	1 ea 1/4" Dia Tapcon x 1" Embedment	1,2,4,6,8,9
Bj	Hollow Concrete Block	162.1	1 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 "OXXO" or "OXXX" configuration.
9. Locate Type "B" anchors for other size units per notes 6 and 7.

PRODUCT RENEWED
ACCEPTANCE No. 01-0122.01
EXPIRATION DATE DEC 02 2001
By
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

30C15934



Glass Lite Information – OXXO or OXXX Configuration
Typical Glass Bite = 1/2"
Glass Lite Width = ((SGD Frame Width - 11 7/8)/4)"
Glass Lite Height = (SGD Frame Height - 4)"

STRUCTURAL CONCRETE/CBS CONSTRUCTION

Ballard L. Argusy P.E.
11/18/96

TM Window & Door Co. 601 NW 12 AVE., Pompano Beach, FL			
Product Description Series 310 Alum. Sliding Glass Door			
Glass Type 3/16" Thick Tempered Glass			
Testing Laboratory: Miami Testing Lab.			
Test Report No: 15934		10/14/94	
Dwg.No. 310-N3-C3	Config: OXXO	Sheet: 1 of 1	Date: 9/23/96	Rev. 11-18-96
Metro Dade Action: Product Approval Renewal			