



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

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

NOTICE OF ACCEPTANCE (NOA)

**Tischler Und Sohn (USA) LTD.
Six Suburban Avenue
Stamford, CT 06901**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Unclipped Steel Reinforced Mahogany Wood Mullion-Impact

APPROVAL DOCUMENT: Drawing No. TS-10, sheets 1 through 10 of 10 dated 05/10/00, prepared by manufacturer, signed and sealed by Vipin N. Tolat, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: 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", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA 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 NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 99-0224.08 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



**NOA No 03-0128.08
Expiration Date: June 15, 2008
Approval Date: March 6, 2003
Page 1**

Tischler Und Sohn (USA) LTD.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

- A. DRAWINGS (Submitted under NOA# 99-0224.08)**
1. Manufacturer's die drawings and sections.
 2. Drawing No. TS-10, sheets 1 through 10 of 10 dated 05/10/00, prepared by manufacturer, signed and sealed by Vipin N. Tolat, P.E.
- B. TESTS (Submitted under NOA# 99-0224.08)**
1. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with assembly & part drawing of a wood fixed window prepared by Construction Research Laboratory Inc., test report No. 6474, dated 02/28/99, signed and sealed by Nariman S. Balsara, P.E.
 2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
3) Water Resistance Test, per FBC, TAS 202-94
along with installation diagram and drawing prepared by Construction Research Laboratory Inc., test report No. 6145, dated 06/23/95, revised and re-issued on 12-07-1995 signed and sealed by Santiago Arturo Tablada, P. E.
- C. CALCULATIONS (Submitted under NOA# 99-0224.08)**
1. Anchor calculation and structural analysis dated 06-11-99, revised on 09-21-99, 10-26-99 and 12-03, 1999, signed and sealed by Vipin N. Tolat P. E.
- D. MATERIAL CERTIFICATIONS**
1. None.
- E. STATEMENTS (Submitted under NOA# 99-0224.08)**
1. Statement letter of conformance, dated 12-06-99, signed and sealed by Vipin N. Tolat, P.E.
 2. Statement letter of no financial interest dated 12-06-99, signed and sealed by Vipin N. Tolat, P.E.
 3. Statement letter of Lab compliance dated 01-28-1999, issued by Construction Research Laboratory Inc., and signed by Richard Sembello.
 4. Statement for request for renewal with "No change" and engineer still practicing, signed and sealed by Vipin N. Tolat P. E.
- F. OTHER**
1. Notice of Acceptance No. 99-0224.08, issued to Tischler und Sohn (USA) LTD, for their Unclipped Steel Reinforced Mahogany Wood Mullion, approved on 6/15/00 and expiring on 6/15/03.
 2. Special project 97-0043

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 03-0128.08

Expiration Date: June 15, 2008
Approval Date: March 6, 2003



Tischler und Sohn (U.S.A.) Ltd.
Six Suburban Avenue
Stamford, CT 06901 USA
Tel.: 203/674-0600
Fax: 203/674-0601

DADE COUNTY - FLORIDA
TESTING OF WOOD WINDOWS & DOORS

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

99-0224.08
5/17/08

TISCHLER UND SOHN

E-mail: dtweid-tischler@worldnet.att.net

Date: May 10, 00

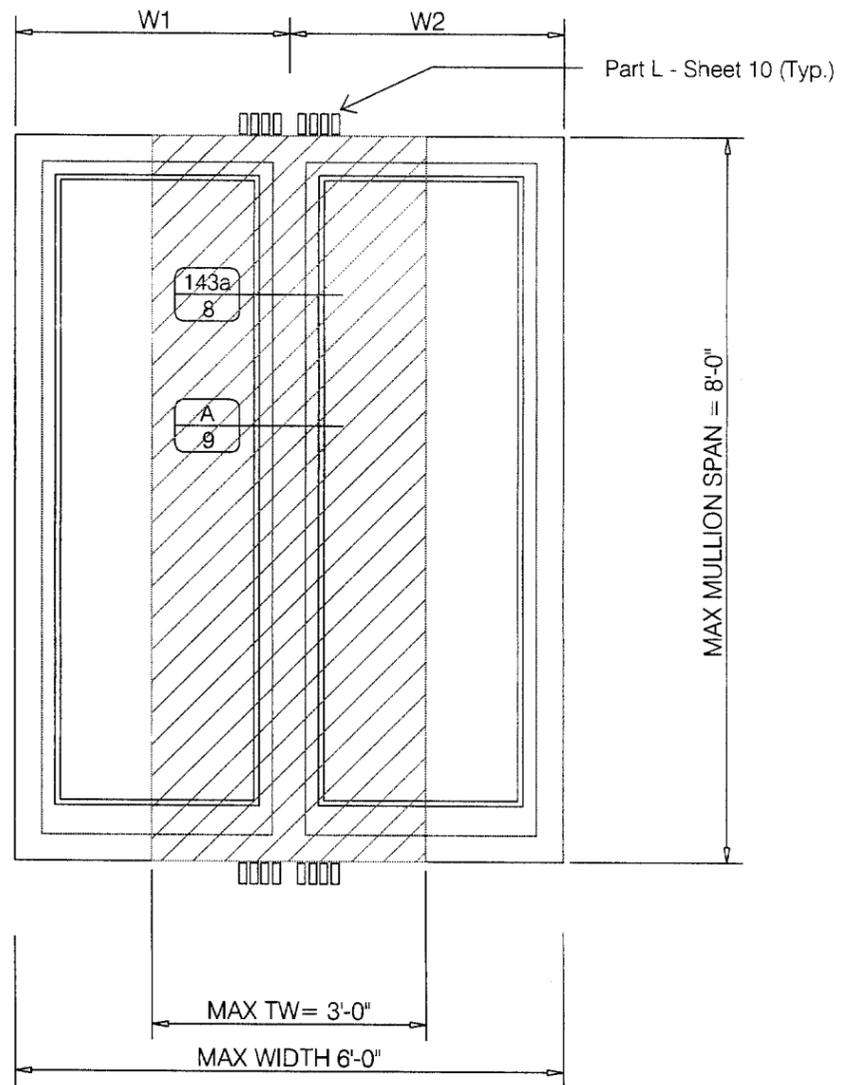
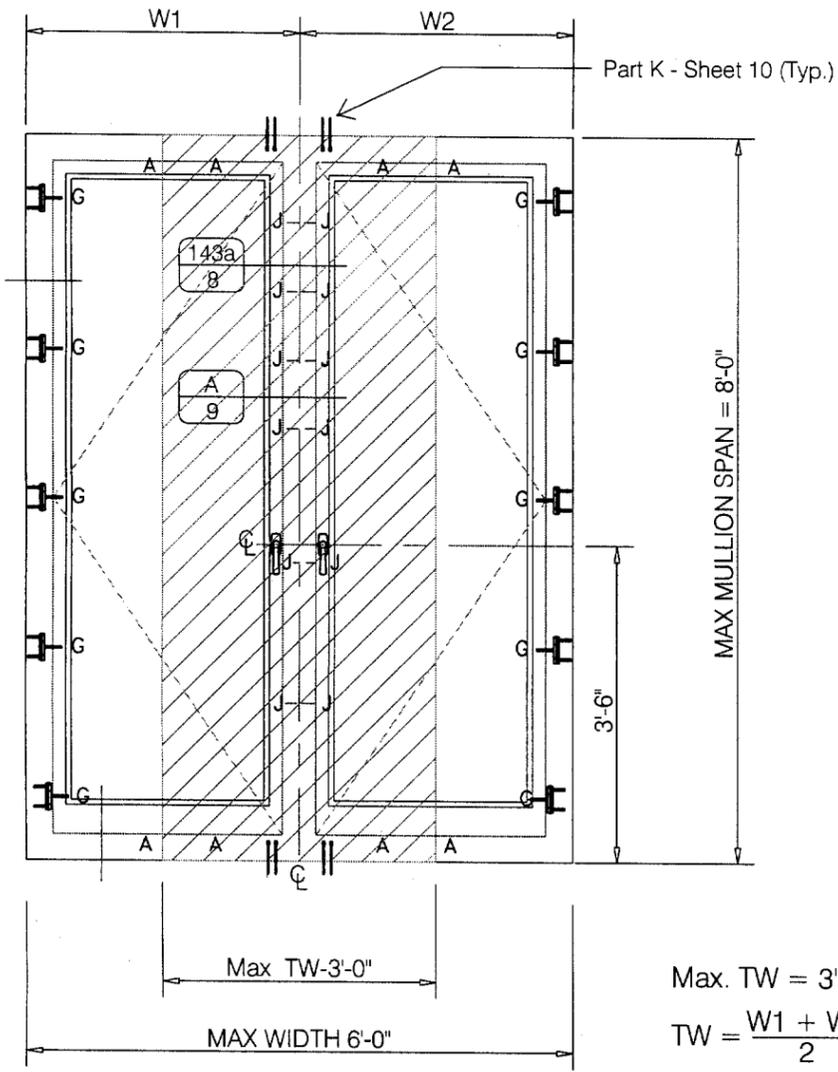
Sheet 1 of 10

Scale: 1/2"=1'-0" (1:24)

Drawn by: K.M.

Drawing No. TS-10

99-0224.08



OPERABLE UNIT WITH CENTER VERTICAL MULLION (UNIT XX)

FIXED UNIT WITH CENTER VERTICAL MULLION (UNIT OO)

Design Pressure Rating (Positive)	+57.9 PSF
Design Pressure Rating (Negative)	-67.8 PSF

TW=TRIBUTARY WIDTH OF MULLION

INTERIOR ELEVATIONS
ALL WOOD IS MAHOGANY

NOTES:

1. TISCHLER SERIES OPERABLE AND FIXED SHOWN ARE UNDER SEPARATE NOA.
2. FOR HARDWARE AND GLASS DETAILS, SEE SEPARATE TISCHLER SERIES NOA.
3. FOR ANCHORAGE DETAILS OF JAMBS, SILL, AND HEADERS, SEE SEPARATE TISCHLER SERIES NOA.
4. FOR QUANTITY OF SCREWS AND CLIPS AT EACH MULLION. SEE MULLION TABLE SHEET 7.
5. ALL SCREWS & CLIPS SHALL BE SPACED 3/4" O.C.
6. APPLIES TO BOTH INSWING AND OUTSWING UNITS.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 15, 2000*
BY *Isaac I. Chavira*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-0224.08*

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. *03-0128.08*
Expiration Date *5/15/2008*
By *Isaac I. Chavira*
Miami Dade Product Control
Division



Tischler und Sohn (U.S.A.) Ltd.
Six Suburban Avenue
Stamford, CT06901 USA
Tel.: 203/674-0600
Fax: 203/674-0601

DADE COUNTY - FLORIDA
TESTING OF WOOD WINDOWS & DOORS

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

VERTICAL MULLIONS 143a & A

Handwritten: 5/17/00

TISCHLER UND SOHN

E-mail: dtwecht-tischler@worldnet.att.net

Date: May 10, 00

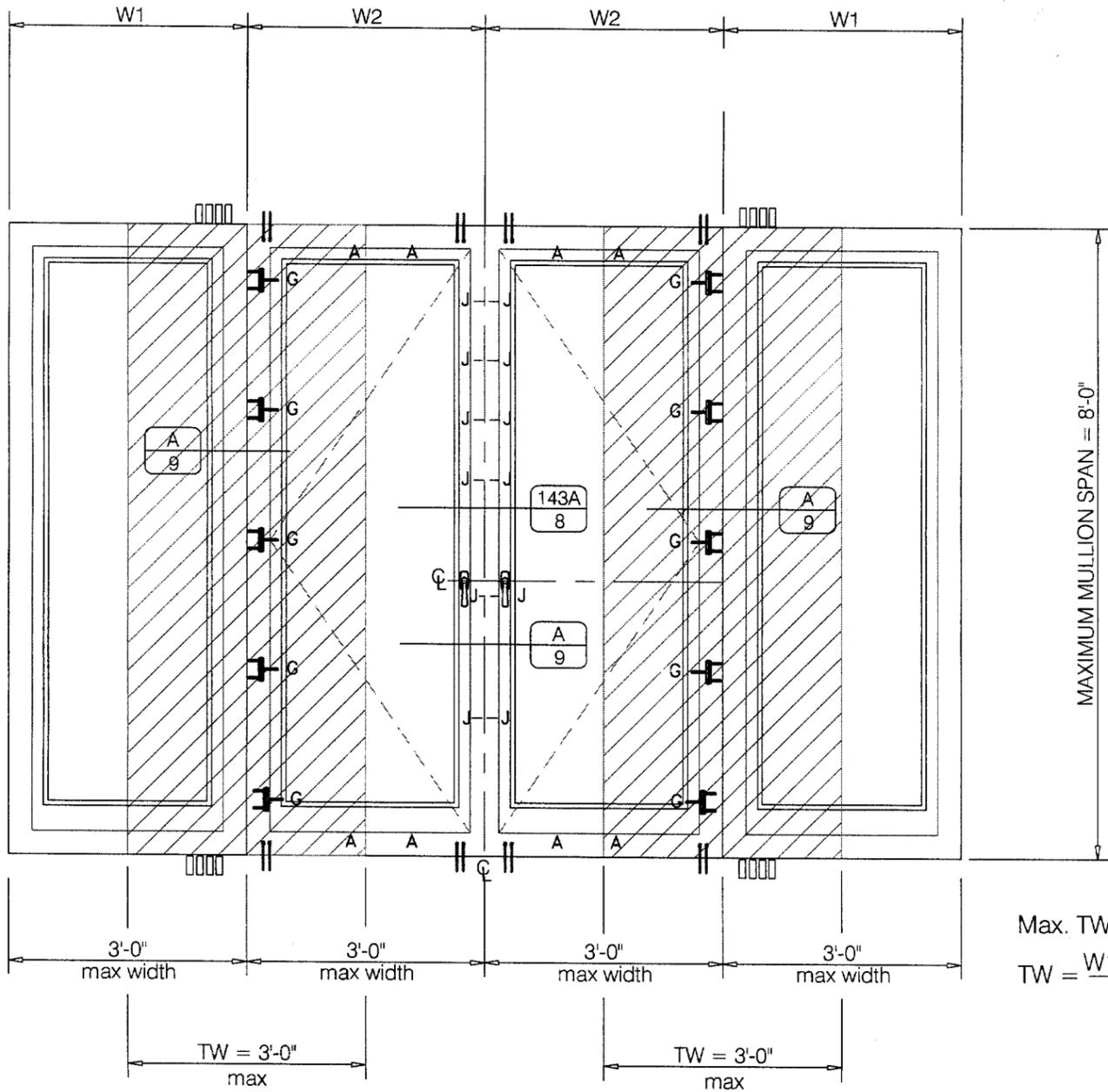
Sheet 2 of 10

Scale: 1/2" = 1'-0" (1:24)

Drawn by: K.M.

Drawing No. TS-10

99-0224.08



COMBINATION FIXED LITE AND OPERABLE WINDOW - (UNIT OXXO)

Design Pressure Rating (Positive)	+57.9 PSF
Design Pressure Rating (Negative)	-67.8 PSF

TW = TRIBUTARY WIDTH OF MULLION

INTERIOR ELEVATIONS
ALL WOOD IS MAHOGANY

NOTES:

1. TISCHLER SERIES OPERABLE AND FIXED SHOWN ARE UNDER SEPARATE NOA.
2. FOR HARDWARE AND GLASS DETAILS, SEE SEPARATE TISCHLER SERIES NOA.
3. FOR ANCHORAGE DETAILS OF JAMBS, SILL, AND HEADERS, SEE SEPARATE TISCHLER SERIES NOA.
4. FOR QUANTITY OF SCREWS AND CLIPS AT EACH MULLION, SEE MULLION TABLE SHEET 7.
5. ALL SCREWS AND CLIPS SHALL BE SPACED 3/4" O.C.
6. APPLIES TO BOTH INSWING AND OUTSWING UNITS.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 15, 2000
BY Shaq. I. Lwarda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-0224.08

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0128.08
Expiration Date STUNE 15, 2008
By Shaq. I. Lwarda
Miami Dade Product Control
Division



Tischler und Sohn (U.S.A.) Ltd.
Six Suburban Avenue
Stamford, CT06901 USA
Tel.: 203/674-0600
Fax: 203/674-0601

DADE COUNTY - FLORIDA
TESTING OF WOOD WINDOWS & DOORS

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

dwedel
5/17/08

ELEVATIONS OF
HORIZONTAL MULLION 143a

TISCHLER UND SOHN

E-mail: dtwedt-tischler@worldnet.att.net

Date: May 10, 00

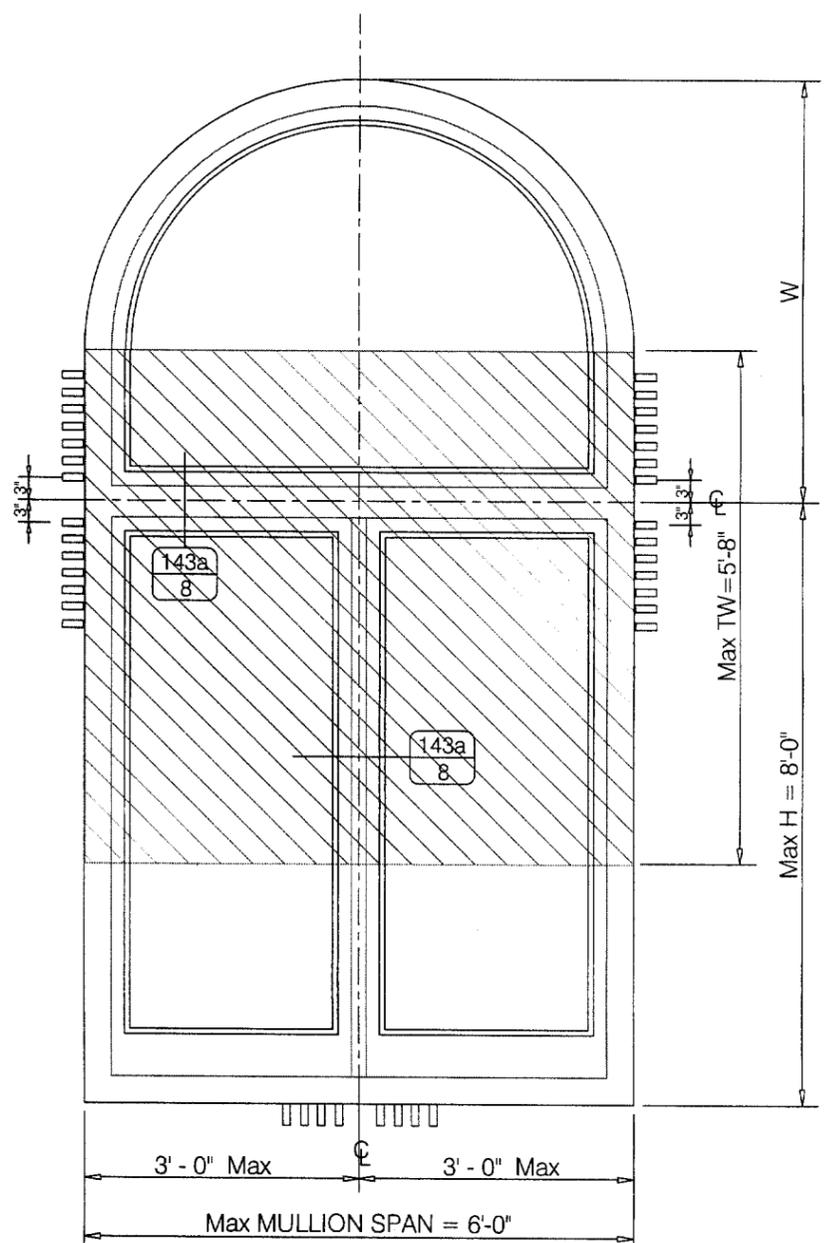
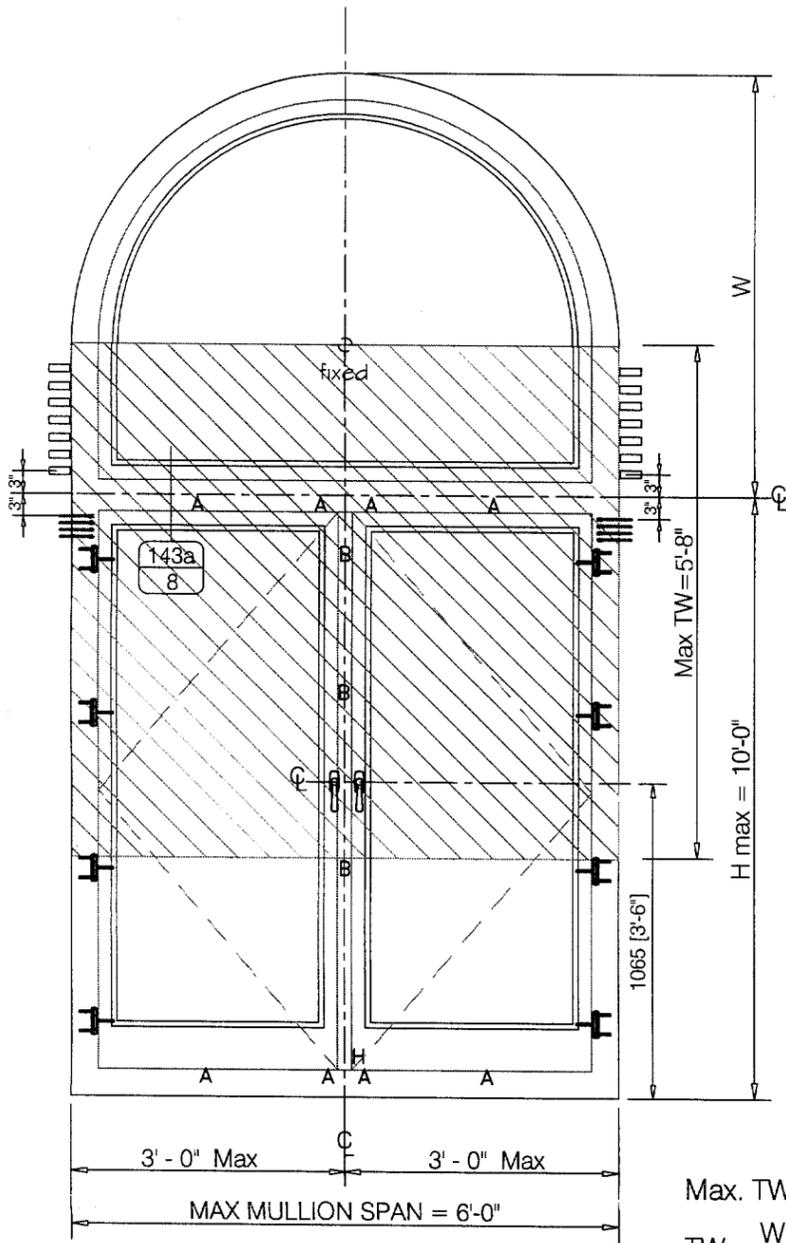
Sheet 3 of 10

Scale: 1/2" = 1'-0" (1:24)

Drawn by: K.M.

Drawing No. TS-10

99-0224.08



Max. TW = 5'-8"
 $TW = \frac{W + H}{2}$

XX UNIT WITH CURVED FIXED TRANSOM

OO UNIT WITH CURVED FIXED TRANSOM

Design Pressure Rating (Positive)	+57.9 PSF
Design Pressure Rating (Negative)	-67.8 PSF

TW = TRIBUTARY WIDTH of MULLION

INTERIOR ELEVATIONS
ALL WOOD IS MAHOGANY

NOTES:

1. TISCHLER SERIES OPERABLE AND FIXED SHOWN ARE UNDER SEPARATE NOA.
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3. FOR ANCHORAGE DETAILS OF JAMBS, SILL, AND HEADERS, SEE SEPARATE TISCHLER SERIES NOA.
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5. ALL SCREWS AND CLIPS SHALL BE SPACED 3/4" O.C.
6. APPLIES TO BOTH INSWING AND OUTSWING UNITS.

① FOR OPERABLE LIGHTS BELOW TRANSOM, "H" MAX = 10'-0"

② FOR FIXED LIGHTS BELOW TRANSOM Max H = 8'-0"

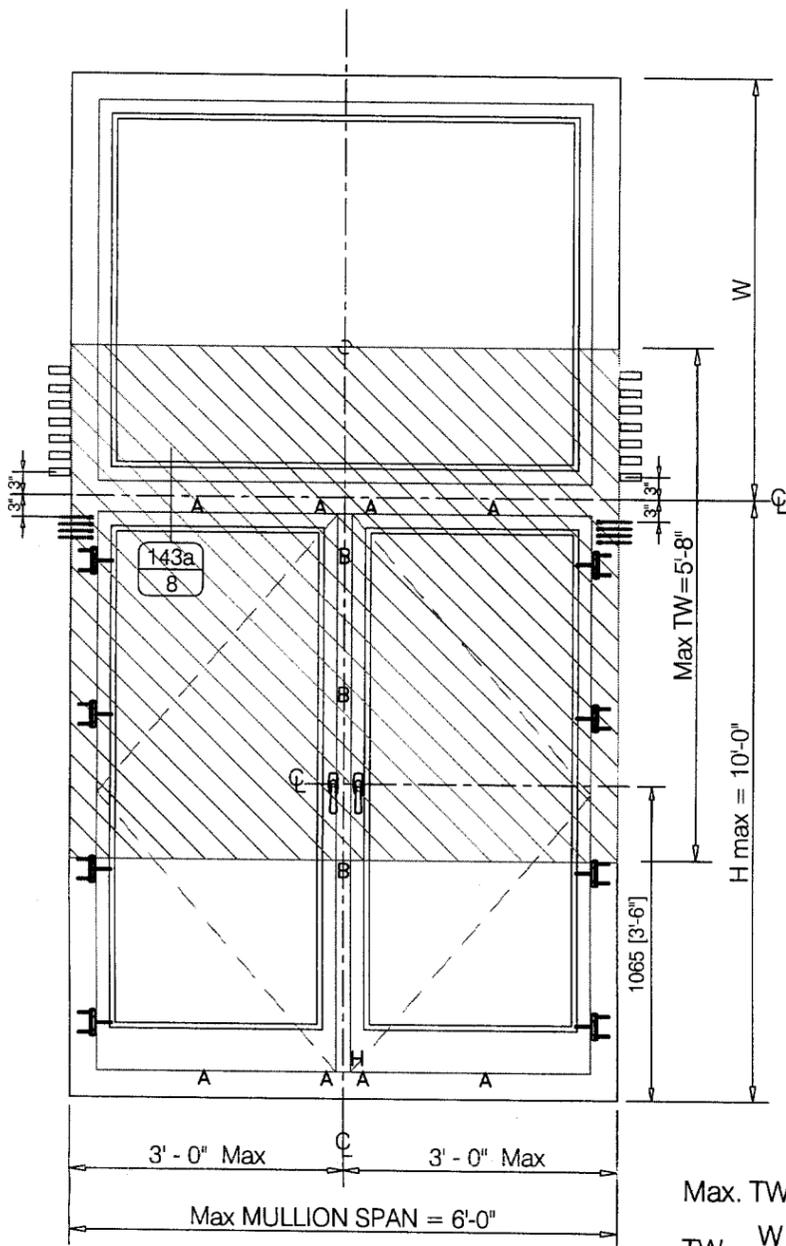
"W"	"H"	"TW"
3'-4"	8'-0"	5'-8"
3'-10"	7'-6"	5'-8"
4'-8"	6'-8"	5'-8"
2'-4"	9'-0"	5'-8"
1'-4"	10'-0"	5'-8"

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 15, 2000
BY Isaac J. Chavala
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-0224.08

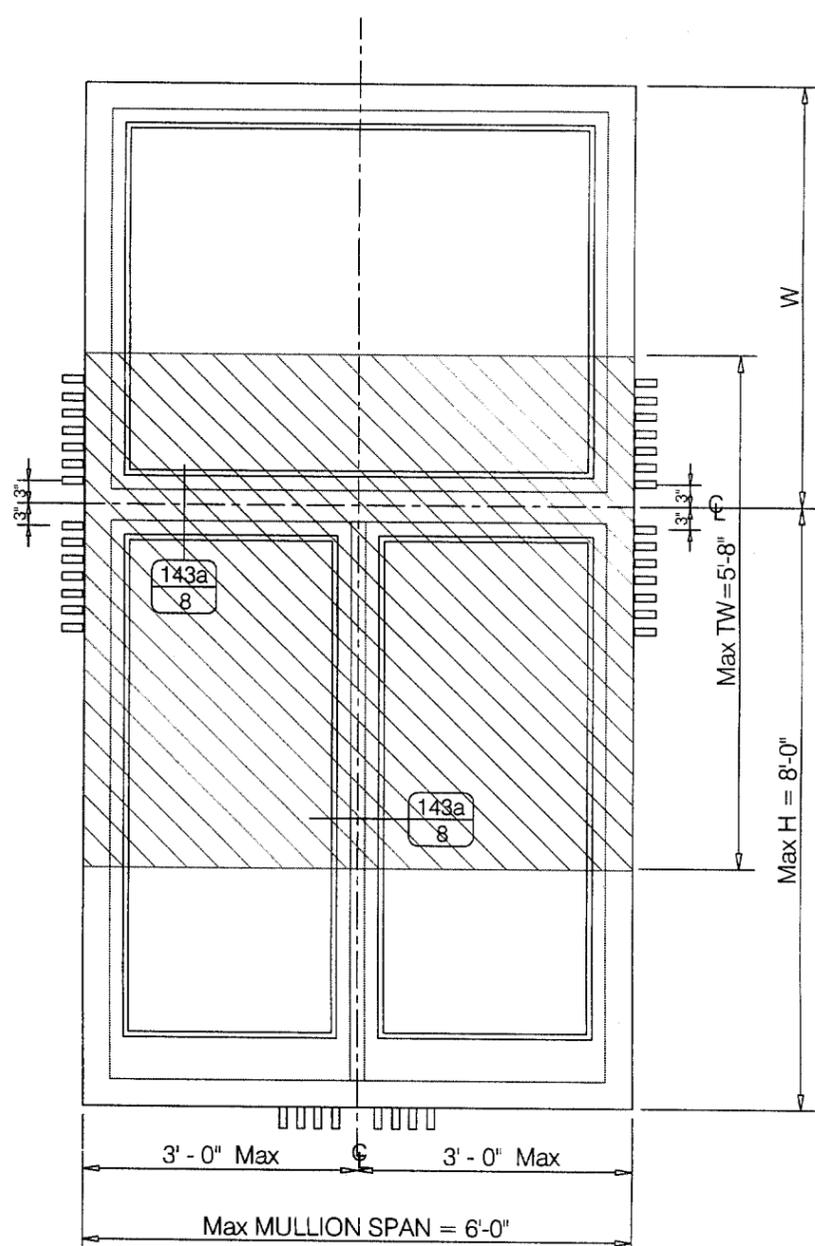
PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 03-0128-08
Expiration Date JUNE 15, 2008
By Isaac J. Chavala
Miami Dade Product Control
Division

entitled
 5/17/00

99-0224.08



XX UNIT WITH FIXED TRANSOM



OO UNIT WITH FIXED TRANSOM

Design Pressure Rating (Positive)	+57.9 PSF
Design Pressure Rating (Negative)	-67.8 PSF

Max. TW = 5'-8"
 $TW = \frac{W + H}{2}$

TW = TRIBUTARY WIDTH of MULLION

INTERIOR ELEVATIONS
 ALL WOOD IS MAHOGANY

NOTES:

1. TISCHLER SERIES OPERABLE AND FIXED SHOWN ARE UNDER SEPARATE NOA.
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5. ALL SCREWS AND CLIPS SHALL BE SPACED 3/4" O.C.
6. APPLIES TO BOTH INSWING AND OUTSWING UNITS.

- ① FOR OPERABLE LIGHTS BELOW TRANSOM "H" MAX = 10'-0"
- ② FOR FIXED LIGHTS BELOW TRANSOM Max H = 8'-0"

"W"	"H"	"TW"
1'-4"	10'-0"	5'-8"
2'-4"	9'-0"	5'-8"
3'-4"	8'-0"	5'-8"
3'-10"	7'-6"	5'-8"
4'-8"	6'-8"	5'-8"

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE June 15, 2000
 BY Isaac I. Llandu
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-0224.08

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 03-0128-08
 Expiration Date June 15, 2008
 By Isaac I. Llandu
 Miami Dade Product Control
 Division



Tischler und Sohn (U.S.A.) Ltd.
 Six Suburban Avenue
 Stamford, CT 06901 USA
 Tel.: 203/674-0600
 Fax: 203/674-0601

DADE COUNTY - FLORIDA
 TESTING OF WOOD WINDOWS & DOORS

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

9/21/08
5/17/00

TISCHLER UND SOHN

E-mail: dtwedt-tischler@worldnet.att.net

Date: May 10, 00

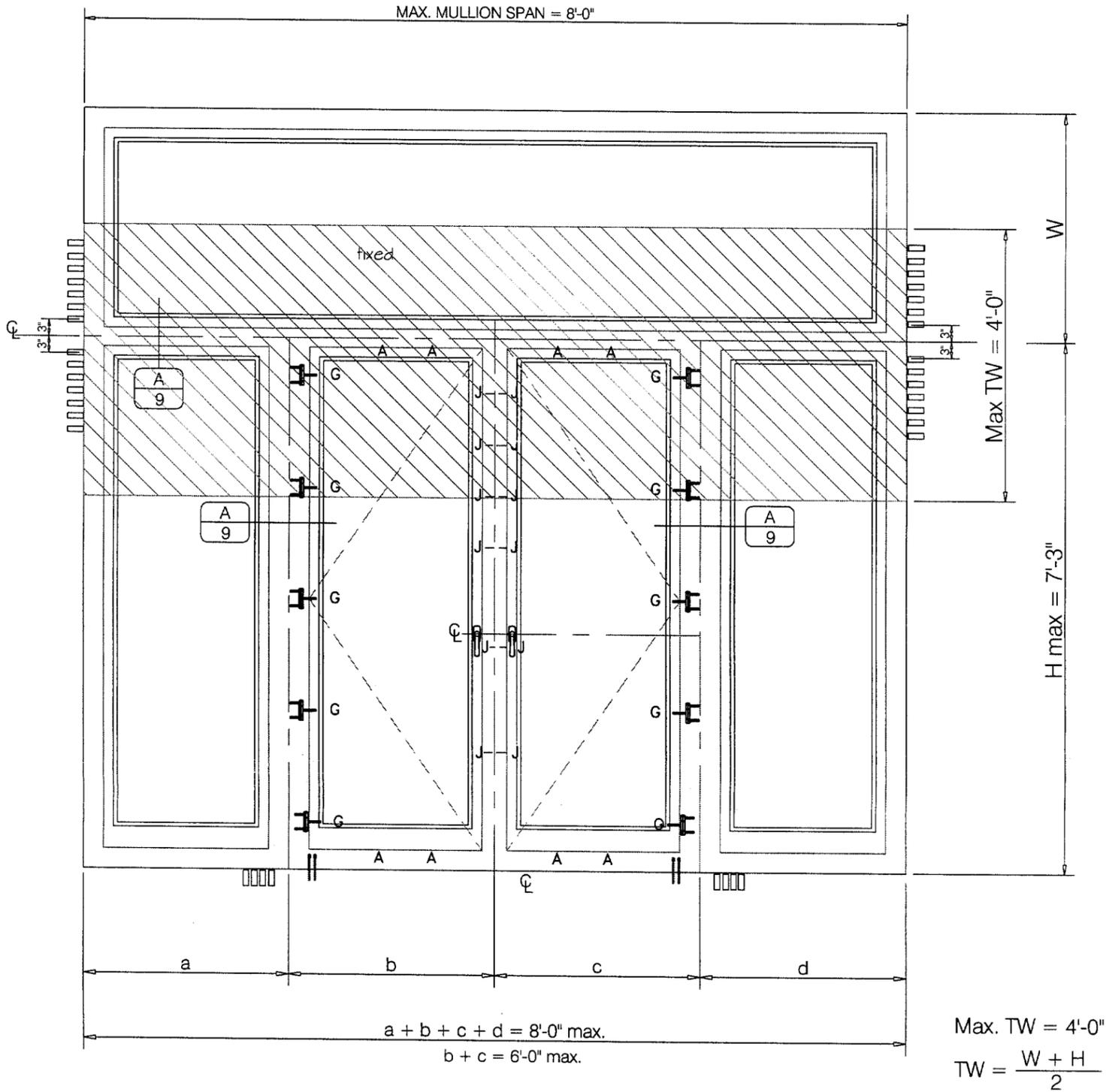
Sheet 5 of 10

Scale: 1/2" = 1'-0" (1:24)

Drawn by: K.M.

Drawing No. TS-10

99-0224.08



OXXO UNIT WITH FIXED TRANSOM

NOTES:

1. TISCHLER SERIES OPERABLE AND FIXED SHOWN ARE UNDER SEPARATE NOA.
2. FOR HARDWARE AND GLASS DETAILS, SEE SEPARATE TISCHLER SERIES NOA.
3. FOR ANCHORAGE DETAILS OF JAMBS, SILL, AND HEADERS, SEE SEPARATE TISCHLER SERIES NOA.
4. FOR QUANTITY OF SCREWS AND CLIPS AT EACH MULLION, SEE MULLION TABLE SHEET 7.
5. ALL SCREWS AND CLIPS SHALL BE SPACED 3/4" O.C.
6. APPLIES TO BOTH INSWING AND OUTSWING UNITS.

"W"	"H"	"TW"
1'-4"	6'-8"	4'-0"
1'-0"	7'-0"	4'-0"
0'-10"	7'-2"	4'-0"
0'-9"	7'-3"	4'-0"

"a"	"b"	"c"	"d"
1'-0"	3'-0"	3'-0"	1'-0"
2'-0"	2'-0"	2'-0"	2'-0"
1'-6"	2'-6"	2'-6"	1'-6"

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 03-0128.08
 Expiration Date: June 15, 2008
 By: Isabel L. Lande
 Miami Dade Product Control
 Division

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE: June 15, 2000
 BY: Isabel L. Lande
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-0224.08



Tischler und Sohn (U.S.A.) Ltd.
 Six Suburban Avenue
 Stamford, CT 06901 USA
 Tel.: 203/674-0600
 Fax: 203/674-0601

DADE COUNTY - FLORIDA
 TESTING OF WOOD WINDOWS & DOORS

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

WNS
5/17/08

HORIZONTAL MULLION "A"

E-mail: dtwedt-tischler@worldnet.att.net

Date: May 10, 00

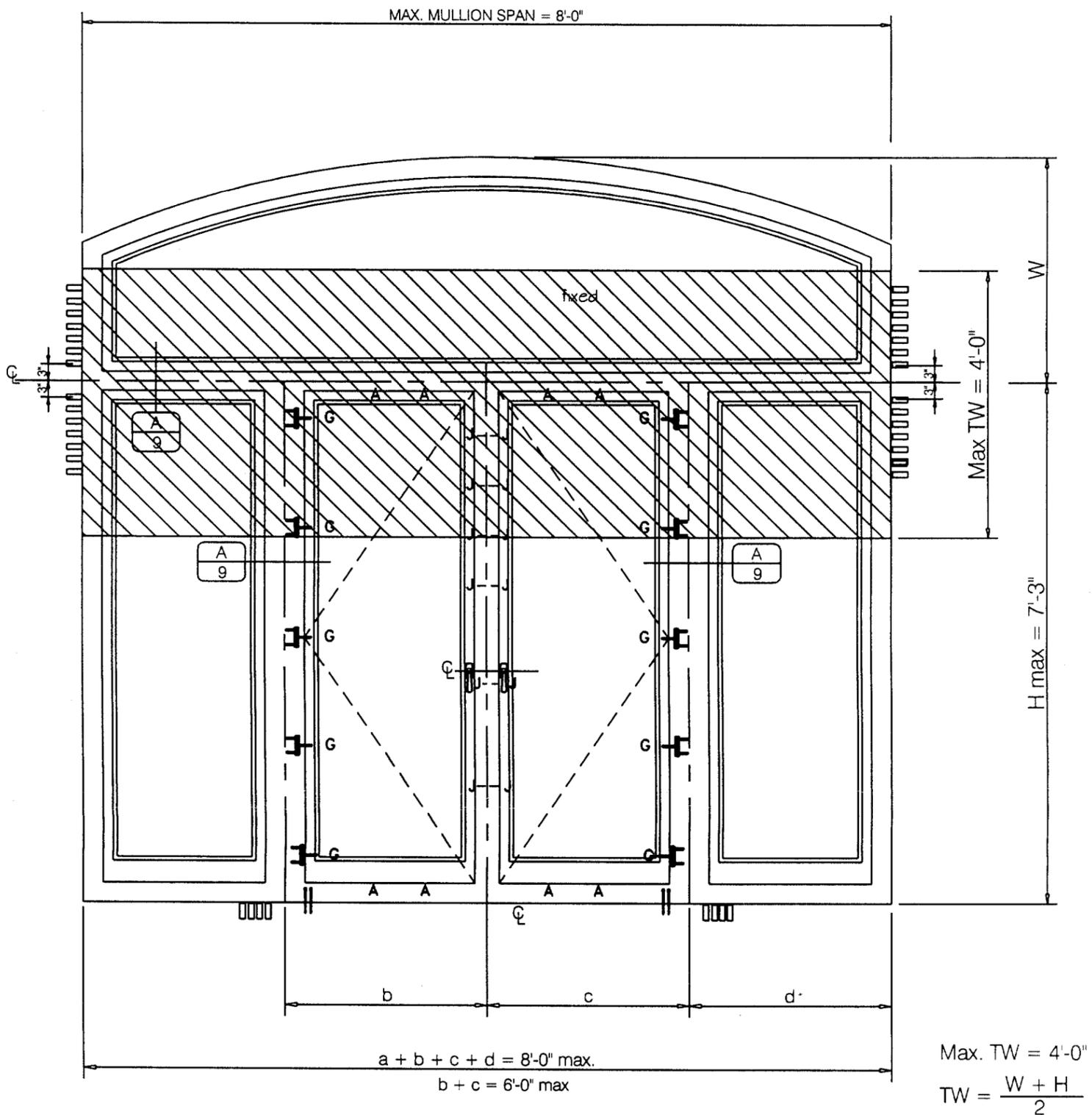
Sheet 6 of 10

Scale: 1/2" = 1'-0" (1:24)

Drawn by: K.M.

Drawing No. TS-10

99-0224.08



OXXO UNIT WITH CURVED TRANSOM

NOTES:

1. TISCHLER SERIES OPERABLE AND FIXED SHOWN ARE UNDER SEPARATE NOA.
2. FOR HARDWARE AND GLASS DETAILS, SEE SEPARATE TISCHLER SERIES NOA.
3. FOR ANCHORAGE DETAILS OF JAMBS, SILL, AND HEADERS, SEE SEPARATE TISCHLER SERIES NOA.
4. FOR QUANTITY OF SCREWS AND CLIPS AT EACH MULLION, SEE MULLION TABLE SHEET 7.
5. ALL SCREWS AND CLIPS SHALL BE SPACED 3/4" O.C.
6. APPLIES TO BOTH INSWING AND OUTSWING UNITS.

"W"	"H"	"TW"
1'-4"	6'-8"	4'-0"
1'-0"	7'-0"	4'-0"
0'-10"	7'-2"	4'-0"
0'-9"	7'-3"	4'-0"

"a"	"b"	"c"	"d"
1'-0"	3'-0"	3'-0"	1'-0"
2'-0"	2'-0"	2'-0"	2'-0"
1'-6"	2'-6"	2'-6"	1'-6"

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE *June 15, 2000*
 BY *Isaac J. Chaudhry*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. *99-0224.08*

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. *03-0128.08*
 Expiration Date *June 15, 2008*
 By *Isaac J. Chaudhry*
 Miami Dade Product Control
 Division



Tischler und Sohn (U.S.A.) Ltd.
 Six Suburban Avenue
 Stamford, CT 06901 USA
 Tel.: 203/674-0600
 Fax: 203/674-0601

E-mail: dtwedt-tischler@worldnet.att.net

DADE COUNTY - FLORIDA
 TESTING OF WOOD WINDOWS & DOORS

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

egnsblak
 5/17/00

MULLION TABLE

Date: May 10, 00 Sheet 7 of 10 Scale: 1/2"=1'-0" (1:24) Drawn by: K.M. Drawing No. TS-10

99-0224.08

DESIGN PRESSURES: +59.7 psf - 67.8 psf

MULLION MAHOAGANY WOOD	Orientation	Maximum SPAN	Maximum TRIBUTARY WIDTH "TW"	Number of 6 mm Screws each side of MULLION/TOTAL	Number of Steel Clips each side of MULLION/TOTAL
143a 9 1/4" x 2 13/16" OVERALL Reinforced Width 0.59" x 1.575" (15mm x 40 mm) Steel Plate	Vertical	8'-0"	3'-0"	2 / 4	4 / 8
	Horizontal	6'-0"	5'-8"	4 / 8	7 / 14
A 10" x 2 13/16" OVERALL Reinforced Width 0.79" x 3.15" (20 mm x 80 mm) Steel Plate	Vertical	8'-0"	3'-0"	2 / 4	4 / 8
	Horizontal	8'-0"	4'-0"	4 / 8	7 / 14

NOTE: NUMBER OF FASTENERS SHOWN ARE FOR A MAXIMUM SHIM SPACE OF 3/8"

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE June 15, 2000
 BY Isaac L. Chanda
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-0224.08

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 03-0128.08
 Expiration Date JUNE 15, 2008
 By Isaac L. Chanda
 Miami Dade Product Control
 Division



TISCHLER and SOHN

Tischler und Sohn (U.S.A.) Ltd.
Six Suburban Avenue
Stamford, CT06901 USA
Tel.: 203/674-0600
Fax: 203/674-0601
E-mail: dtwedt-tischler@worldnet.att.net

DADE COUNTY - FLORIDA
TESTING OF WOOD WINDOWS & DOORS

MULLION 143a

FIXED/OPERABLE CONFIGURATION

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

eyn
5/17/00

Date: May 10, 00

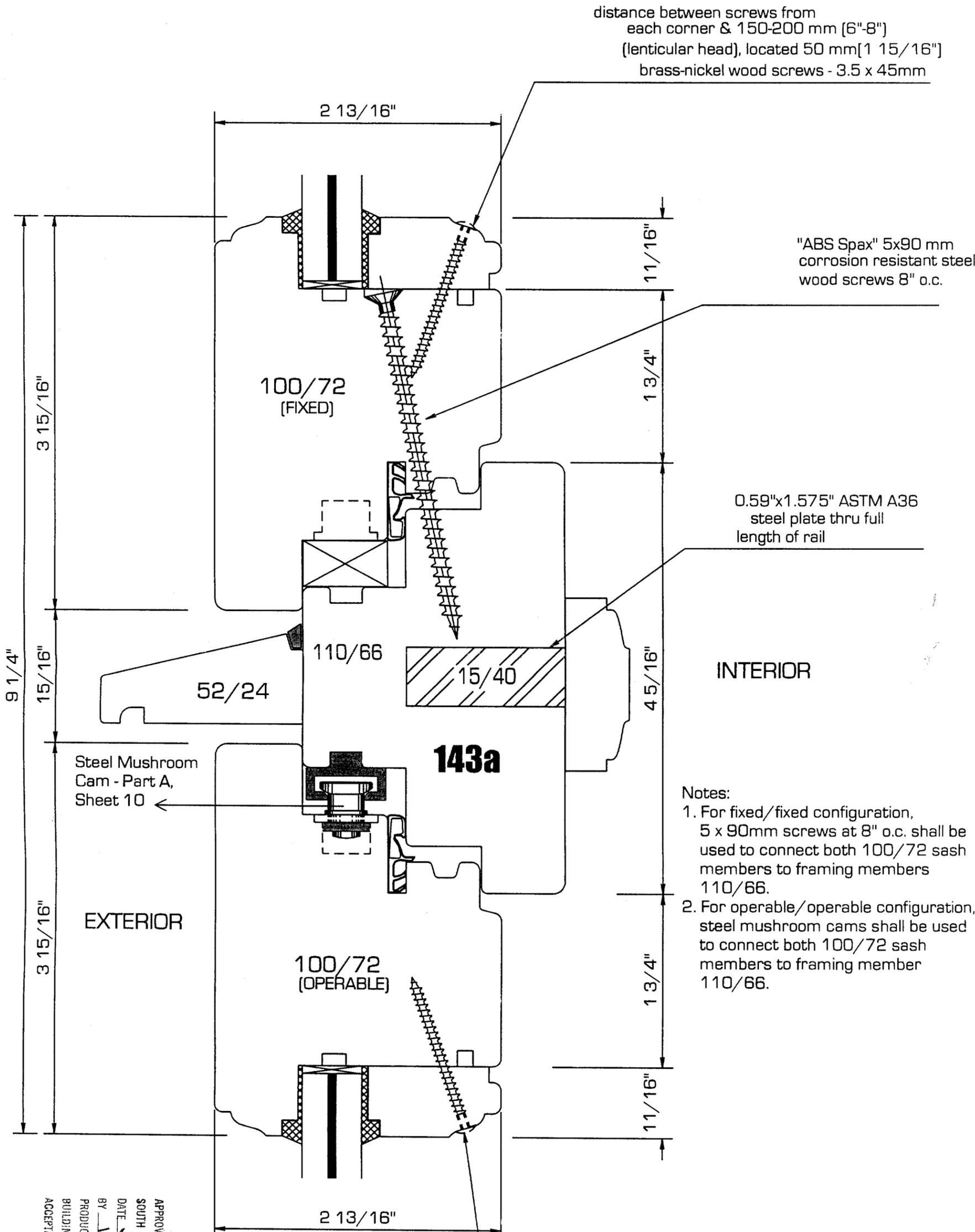
Sheet 8 of 10

Scale: Full (1:1)

Drawn by: K.M.

Drawing No. TS-10

distance between screws from
each corner & 150-200 mm [6"-8"]
(lenticular head), located 50 mm [1 15/16"]
brass-nickel wood screws - 3.5 x 45mm



"ABS Spax" 5x90 mm
corrosion resistant steel
wood screws 8" o.c.

0.59"x1.575" ASTM A36
steel plate thru full
length of rail

INTERIOR

Steel Mushroom
Cam - Part A,
Sheet 10

EXTERIOR

Notes:

1. For fixed/fixed configuration, 5 x 90mm screws at 8" o.c. shall be used to connect both 100/72 sash members to framing members 110/66.
2. For operable/operable configuration, steel mushroom cams shall be used to connect both 100/72 sash members to framing member 110/66.

distance between screws from
each corner & 150-200 mm [6"-8"]
(lenticular head), located 50 mm [1 15/16"]
brass-nickel wood screws - 3.5 x 45mm

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 15, 2000*
BY *Isaac J. Glenda*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-0224-08*

PRODUCT RENEWED
in compliance with the Florida
Building Code
Acceptance No. *03-0128-08*
Expiration Date: *10/01/15/2008*
By *Isaac J. Glenda*
Miami Dade Product Control
Division

eng. Tolat
5/17/00

MULLION A
FIXED/OPERABLE CONFIGURATION

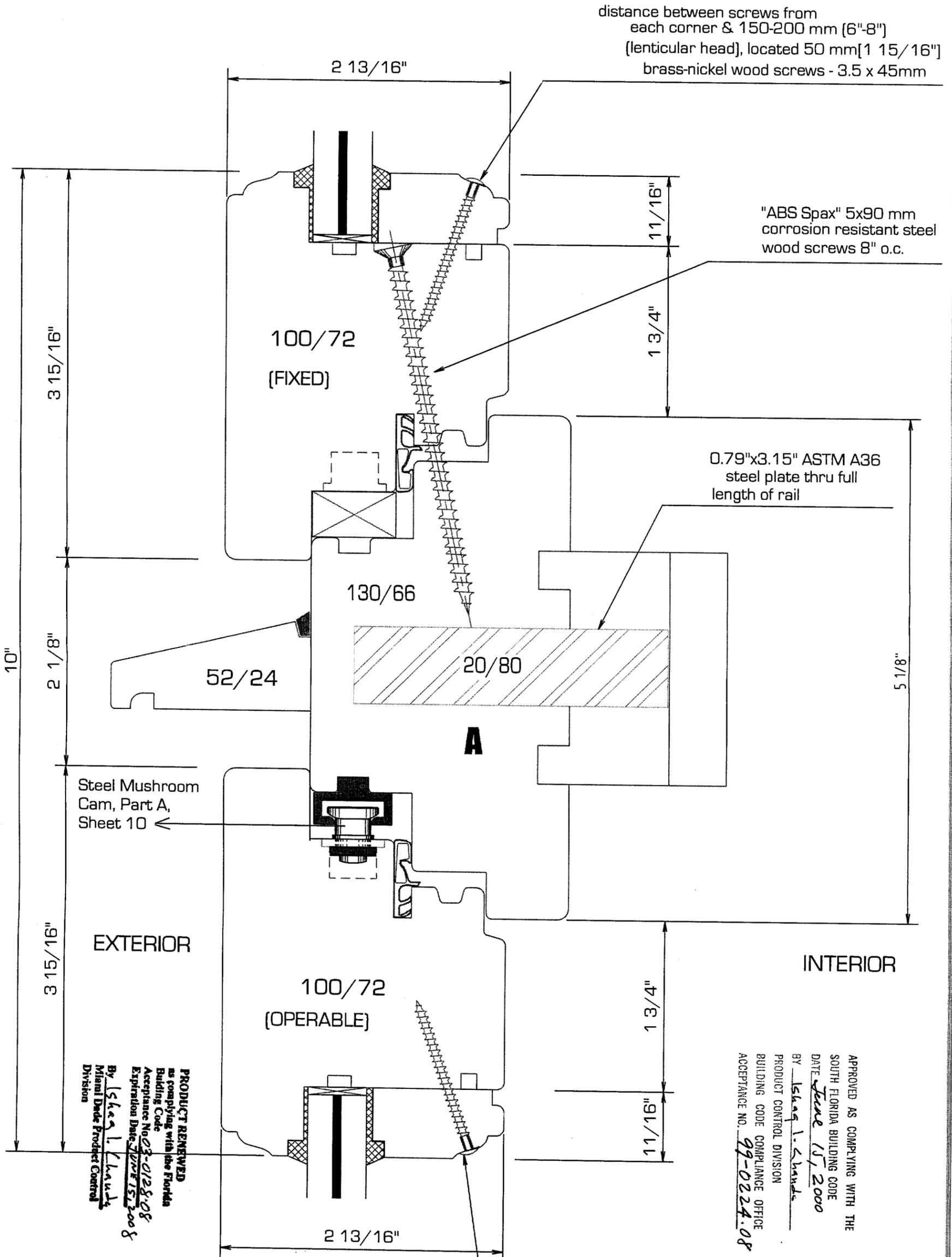
Date: May 10, 00

Sheet 9 of 10

Scale: Full (1:1)

Drawn by: K.M.

Drawing No. TS-10



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0128-08
Expiration Date 12/15/2008
By Shaqil Chaudhry
Miami Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 15, 2000*
BY *Shaqil Chaudhry*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-0224-08*

Notes: 1. FOR FIXED/FIXED CONFIGURATION, 5 X 90mm
SCREWS AT 8" O.C. SHALL BE USED TO CONNECT BOTH 100/72
SASH MEMBERS TO FRAMING MEMBER 130/66.
2. FOR OPERABLE/OPERABLE CONFIGURATIONS, STEEL
MUSHROOM CAMS SHALL BE USED TO CONNECT BOTH 100/72
SASH MEMBERS TO FRAMING MEMBER 130/66.

distance between screws from
each corner & 150-200 mm (6"-8")
(lenticular head), located 50 mm [1 15/16"]
brass-nickel wood screws - 3.5 x 45mm



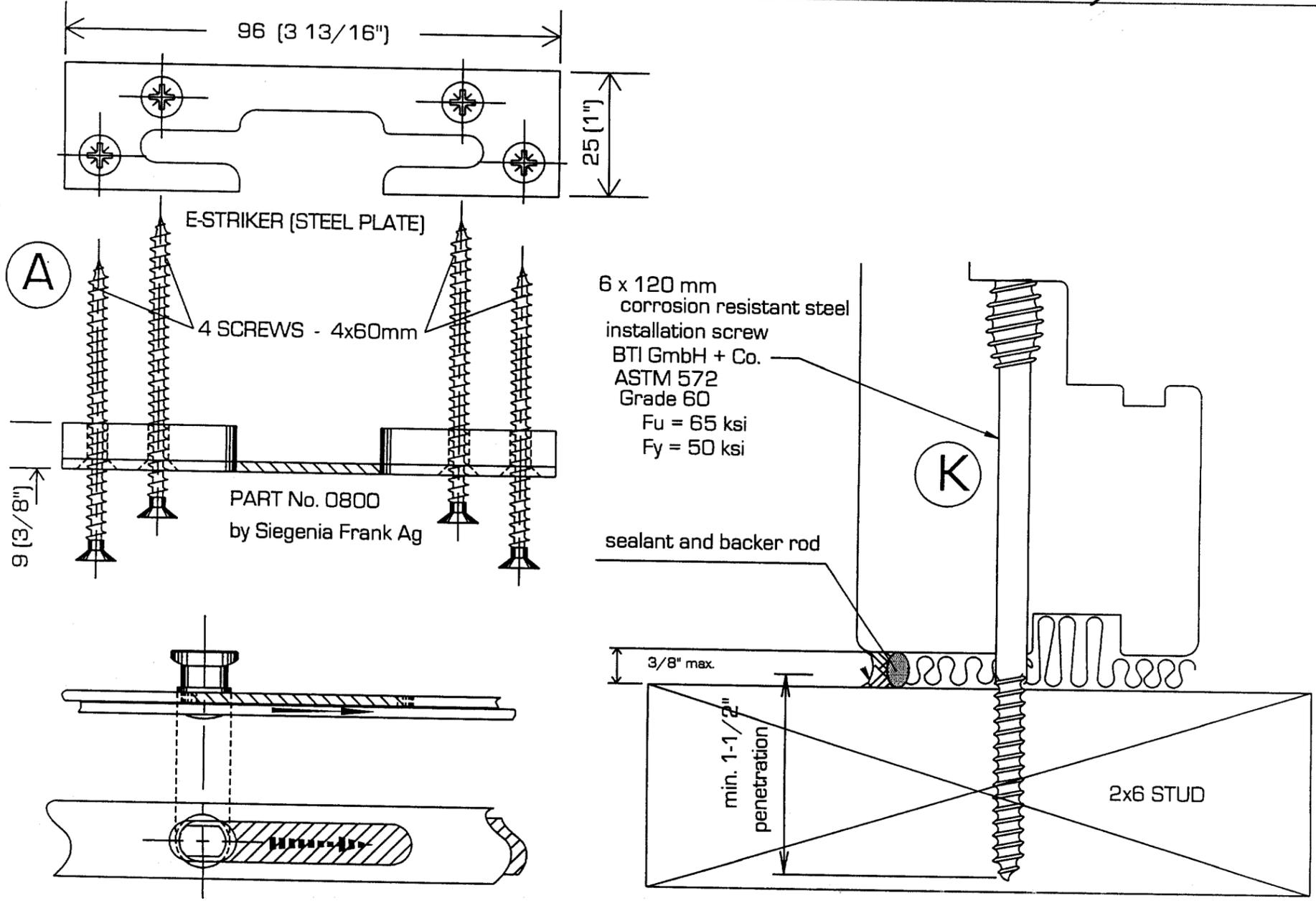
Tischler und Sohn (U.S.A.) Ltd.
 Six Suburban Avenue
 Stamford, CT 06901 USA
 Tel.: 203/674-0600
 Fax: 203/674-0601
 E-mail: dtwedt-tischler@worldnet.att.net

DADE COUNTY - FLORIDA
 TESTING OF WOOD WINDOWS & DOORS
 ANCHOR SCREWS & CLIPS

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

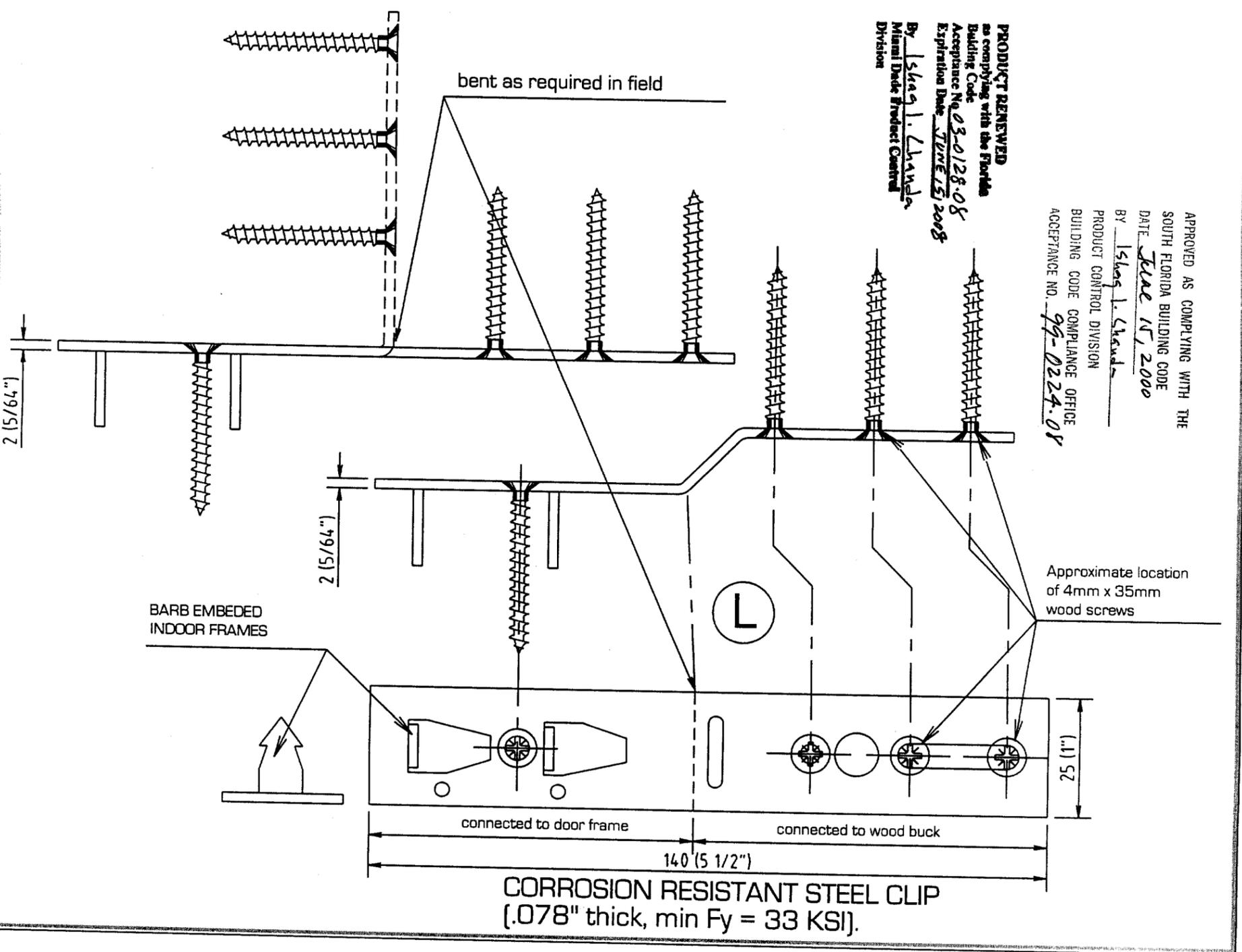
Logan
 5/17/00

Date: May 10, 00 Sheet 10 of 10 Scale: Full (1:1) Drawn by: K.M. Drawing No. TS-10



6 x 120 mm
 corrosion resistant steel
 installation screw
 BTI GmbH + Co.
 ASTM 572
 Grade 60
 Fu = 65 ksi
 Fy = 50 ksi

STEEL MUSHROOM CAM



PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 03-0128-08
 Expiration Date: JUNE 15, 2008
 By: Shag L. Chanda
 Miami Dade Product Control
 Division

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE: June 15, 2000
 BY: Shag L. Chanda
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-0224-01

CORROSION RESISTANT STEEL CLIP
 (.078" thick, min Fy = 33 KSI).