



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

T.M. Windows, LLC
601 NW 12th Avenue
Pompano Beach, FL 33069

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "350" Aluminum Sliding Glass Door w/ Reinforcements – S.M.I.

APPROVAL DOCUMENT: Drawing No. **W02-117**, titled "Series 350-Alum. Sliding Glass Door (S.M.I.)", sheets 01 through 07 of 07, dated 12/19/02, with revision "**D**" dated 03/13/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Section Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

REVISION 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 No. 12-0507.06** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J. Gascon
6/14/13

NOA No. 13-0517.01
Expiration Date: July 03, 2018
Approval Date: June 27, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 07-1126.01)
2. Drawing No. **W02-117**, titled "Series 350-Alum. Sliding Glass Door (S.M.I.)", sheets 01 through 07 of 07, dated 12/19/02, with revision "D" dated 03/13/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA No. 12-0507.06)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
7) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5438** dated 01/11/08, signed and sealed by Michael Wenzel, P. E.
(Submitted under previous NOA No. 07-1126.01)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5213** dated 05/03/07, signed and sealed by Michael Wenzel, P. E.
(Submitted under previous NOA No. 07-1126.01)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Small Missile Impact Test per FBC, TAS 201-94
5) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL-3087**, dated 07/01/01, **FTL-3125**, dated 10/26/01 and **FTL-3127**, dated 01/22/02, signed and sealed by Luis A. Figueredo, P. E.
(Submitted under previous NOA No. 07-1126.01)


Jaime D. Gascón, P. E.
Product Control Section Supervisor
NOA No. 13-0517.01
Expiration Date: July 03, 2018
Approval Date: June 27, 2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by Al-Farooq Corporation, dated 04/18/12, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA No. 12-0507.06)
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

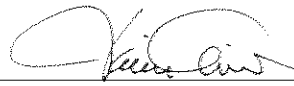
1. Notice of Acceptance No. **12-1231.10** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/28/13, expiring on 05/21/16.
2. American Vinyl Company Part No. **GG-75** PVC gasket P/N **1348** complying with the **ASTM C792** Specific Gravity 1.51, **ASTM D2240** Hardness ± 75 -Shore A, **ASTM D638** Tensile stress 730 psi and Tensile strength 1460 psi, **ASTM D 746** Brittleness temperature of -35°C (-31.0°F).

F. STATEMENTS

1. Statement letter of no financial interest, conformance and complying with **FBC-2010**, issued by Al-Farooq Corporation, dated 04/18/12, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA No. 12-0507.06)
2. Laboratory compliance letter for Test Reports No.'s **FTL-5438** dated 01/11/08 and **FTL-5213** dated 05/03/07, all issued by Fenestration Testing Laboratory, Inc., signed and sealed by Michael Wenzel, P. E.
(Submitted under previous NOA No. 07-1126.01)
3. Laboratory compliance letter for Test Reports No.'s **FTL-3087**, dated 07/01/01, **FTL-3125**, dated 10/26/01 and **FTL-3127**, dated 01/22/02, all issued by Fenestration Testing Laboratory, Inc., signed and sealed by Luis A. Figueredo, P. E.
(Submitted under previous NOA No. 07-1126.01)

G. OTHERS

1. Notice of Acceptance No. **12-0507.06**, issued to T.M. Window & Door LLC for their Series "350 Aluminum Sliding Glass Door w/ Reinforcements - S.M.I.", approved on 07/26/12 and expiring on 07/03/13.


Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 13-0517.01
Expiration Date: July 03, 2018
Approval Date: June 27, 2013

**MODEL 350 S.M.I.
HI-LOAD REINFORCED
ALUMINUM SLIDING GLASS DOOR**

DOORS WITH LAMINATED GLASS RATED FOR SMALL MISSILE IMPACT.
MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE
30 FT. OF GRADE.

SEE CHARTS ON SHEETS 2 & 3 FOR DESIGN LOADS AND
ANCHOR OPTIONS.

APPLICABLE EGRESS REQUIREMENTS PER FBC TO BE REVIEWED
BY BUILDING OFFICIAL.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY
HURRICANE ZONE (HVHZ).

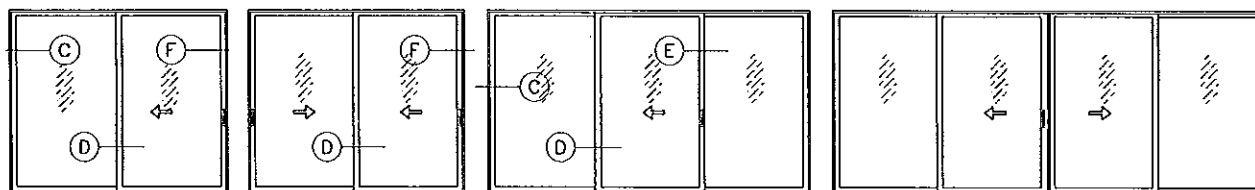
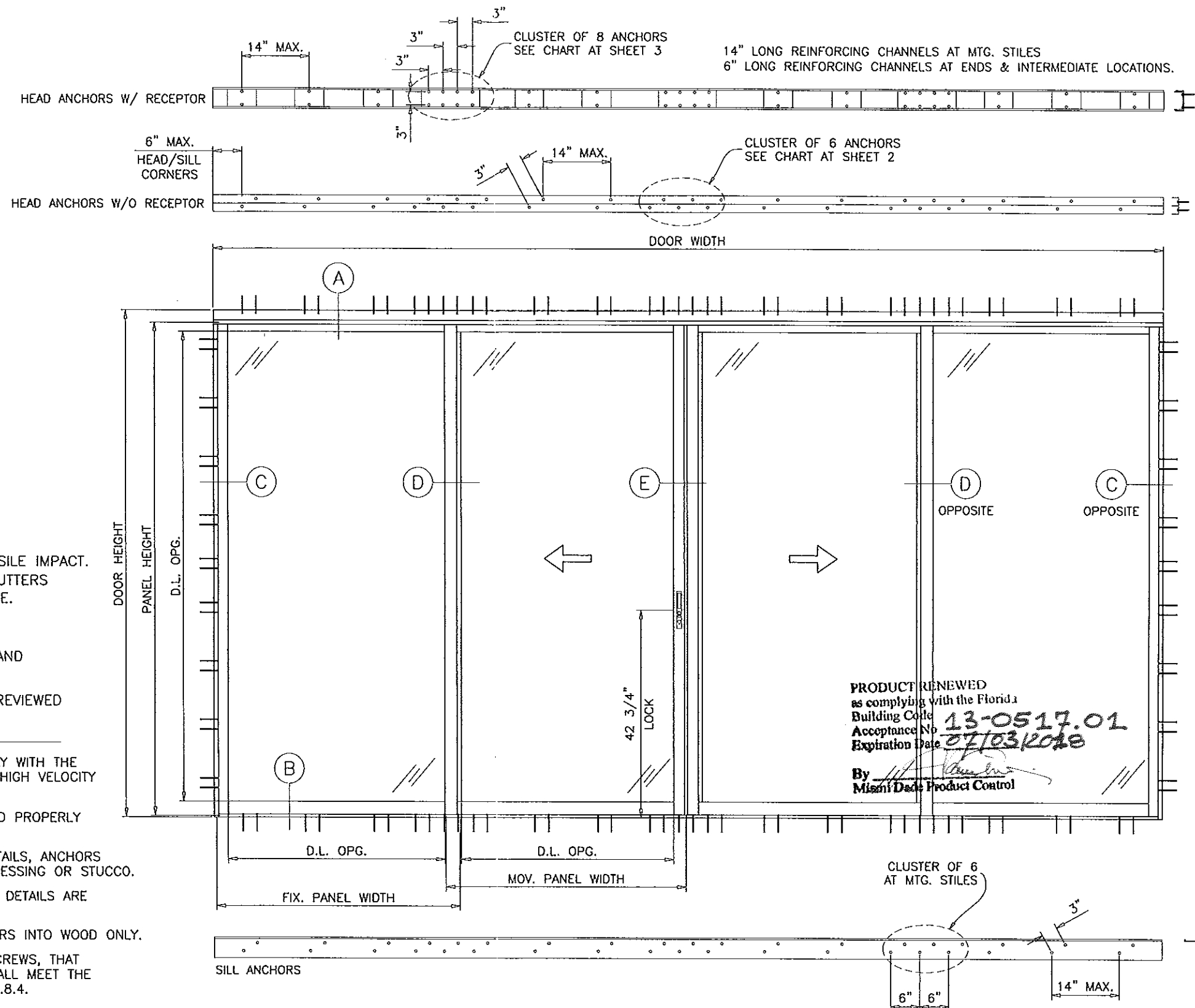
1BY OR 2BY WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY
TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS
EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE
NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.



APPROVED CONFIGURATIONS

TYPICAL ELEVATION

DAYLITE OPENINGS:
D.L.O. HEIGHT = DOOR HEIGHT - 7.125"
D.L.O. WIDTH (FIX. PANEL) = PANEL WIDTH - 5.575"
D.L.O. WIDTH (OPER. PANEL) = PANEL WIDTH - 5.675"

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 353B

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0507.06
Expiration Date 7/3/2013

By: *[Signature]*
Miami Dade Product Control

revisions: no. date by description

no.	date	by	description
A	06.29.07		UPDATED FOR 2004 FBC
B	04.04.08		REV. PER BCCO COMMENTS
C	05.02.08		REV. PER BCCO COMMENTS
D	03.13.12		UPDATED TO 2010 FBC

date: 12-19-02
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.

W02-117

sheet 1 of 7

afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W02-117TMW

T.M. WINDOWS LLC.
601 N.W. 12TH AVE.
POMPANO BEACH, FL. 33069
TEL. (954) 781-4430 FAX. (954) 781-5078

MAY 02 2012

DESIGN LOAD CAPACITY - PSF DOORS W/O HEAD RECEPTOR							
REINFORCING 'A' (CHANNELS IN BOTTOM RAILS NOT REQD.)							
PANEL WIDTH INCHES	DOOR HEIGHT INCHES	ANCHORS TYPE 'A'		ANCHORS TYPE 'B'		ANCHORS TYPE 'F'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24	80	100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0	100.0	120.0
24	84	100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
24	90	100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0	100.0	120.0
24	96	100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
24	102	100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
24	108-1/4	100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0

DESIGN LOAD CAPACITY - PSF DOORS W/O HEAD RECEPTOR							
REINFORCING 'B' (1 ALUMINUM CHANNEL IN EACH MOVING PANEL BOTTOM RAIL)							
PANEL WIDTH INCHES	DOOR HEIGHT INCHES	ANCHORS TYPE 'A'		ANCHORS TYPE 'B'		ANCHORS TYPE 'F'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24	80	100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0	100.0	120.0
54	84	100.0	120.0	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	84	100.0	120.0	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	90	100.0	120.0	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	96-1/4	100.0	120.0	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	96-1/4	100.0	117.2	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0

DESIGN LOAD CAPACITY - PSF DOORS W/O HEAD RECEPTOR							
REINFORCING 'C' (2 STEEL CHANNELS IN MOVING PANEL BOTTOM RAIL)							
PANEL WIDTH INCHES	DOOR HEIGHT INCHES	ANCHORS TYPE 'A'		ANCHORS TYPE 'B'		ANCHORS TYPE 'F'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24	80	100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48		100.0	120.0	100.0	120.0	100.0	120.0
54	84	100.0	120.0	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	84	100.0	120.0	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	90	100.0	120.0	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	90	100.0	116.3	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	96	100.0	120.0	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	96	100.0	117.5	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	102	100.0	104.4	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	102	100.0	110.6	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0
48	108-1/4	100.0	119.1	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	119.1	100.0	120.0	100.0	120.0
48	108-1/4	100.0	104.2	100.0	120.0	100.0	120.0
24		100.0	120.0	100.0	120.0	100.0	120.0
30		100.0	120.0	100.0	120.0	100.0	120.0
36		100.0	120.0	100.0	120.0	100.0	120.0
42		100.0	120.0	100.0	120.0	100.0	120.0

ALL EXTERIOR(+) LOADS SHOWN ON THIS SHEET ARE FOR DOORS USING 4-1/8" SILL HEIGHTS. FOR DOORS USING 3-1/2" SILL HEIGHTS LIMIT EXT.(+) LOADS TO 90.0 PSF.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

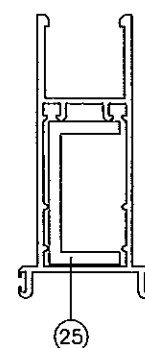
TYPE 'B' 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'F' #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
INTO METAL STRUCTURES
STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

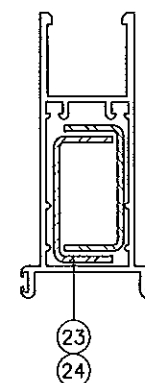
TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



MOV. PANEL BOTTOM RAIL
REINFORCING 'B'



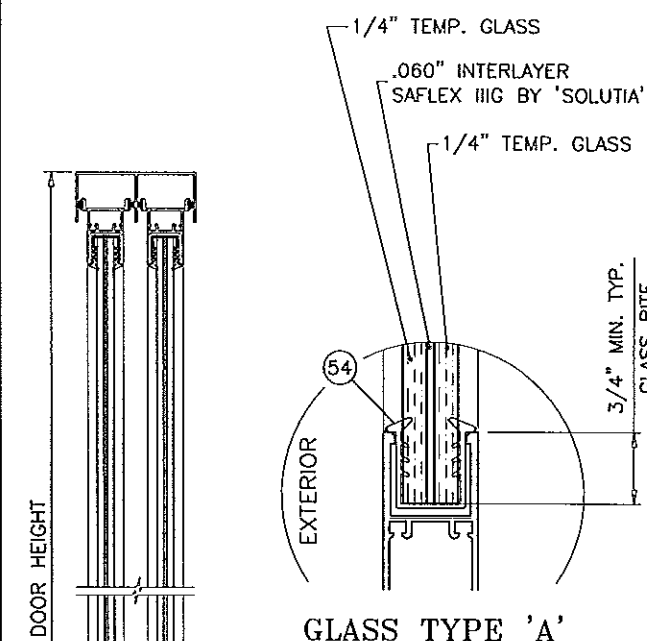
MOV. PANEL BOTTOM RAIL
REINFORCING 'C'

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-0517.01
Expiration Date 07/03/2018

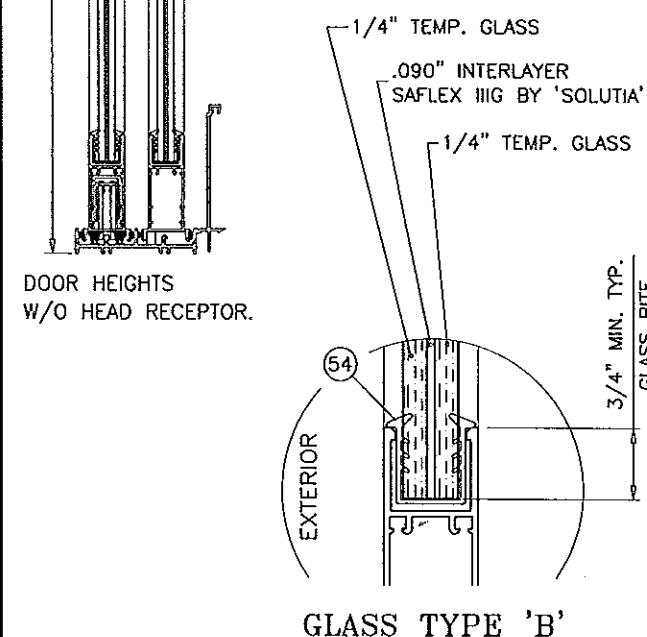
By *[Signature]*
Miami Dade Product C

DOORS W/O HEAD RECEPTOR

CLUSTER OF 6 ANCHORS AT STILE ENDS AT HEAD & SILL



GLASS TYPE 'A'



GLASS TYPE 'B'

GLAZING OPTIONS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0507.06
Expiration Date 07/03/2018
By *[Signature]*
Miami Dade Product Control

MAY 02 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W02-117TMW

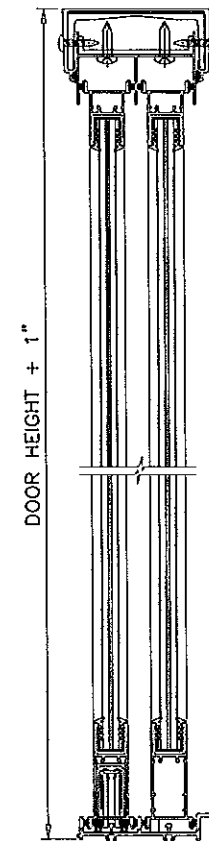
SERIES-350 ALUM. SLIDING GLASS DOOR (S.M.I.)
T.M. WINDOWS LLC.
601 N.W. 12TH AVE.
POMPANO BEACH, FL. 33069
TEL. (954) 781-4430 FAX. (954) 781-5078

revisions:		by	description
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DESIGN LOAD CAPACITY - PSF DOORS WITH HEAD RECEPTOR							
REINFORCING 'A' (CHANNELS IN BOTTOM RAILS NOT REQD.)							
PANEL WIDTH INCHES	DOOR HEIGHT INCHES	ANCHORS TYPE 'C'		ANCHORS TYPE 'D'		ANCHORS TYPE 'E'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24	80	100.0	210.0	100.0	210.0	100.0	210.0
30		100.0	210.0	100.0	210.0	100.0	210.0
36		100.0	200.0	100.0	210.0	100.0	210.0
42		100.0	210.0	100.0	210.0	100.0	210.0
48		100.0	186.8	100.0	210.0	100.0	210.0
24	84	100.0	210.0	100.0	210.0	100.0	210.0
30		100.0	210.0	100.0	210.0	100.0	210.0
42		100.0	203.3	100.0	210.0	100.0	210.0
24	90	100.0	210.0	100.0	210.0	100.0	210.0
30		100.0	210.0	100.0	210.0	100.0	210.0
36		100.0	210.0	100.0	210.0	100.0	210.0
42		100.0	189.7	100.0	210.0	100.0	210.0
24	96	100.0	209.5	100.0	210.0	100.0	210.0
30		100.0	209.5	100.0	210.0	100.0	210.0
36		100.0	207.5	100.0	210.0	100.0	210.0
24	102	100.0	195.3	100.0	210.0	100.0	210.0
30		100.0	195.3	100.0	210.0	100.0	210.0
36		100.0	195.3	100.0	210.0	100.0	210.0
24	108-1/4	100.0	184.0	100.0	210.0	100.0	210.0
30		100.0	184.0	100.0	210.0	100.0	210.0
36		100.0	184.0	100.0	210.0	100.0	210.0

DESIGN LOAD CAPACITY - PSF DOORS WITH HEAD RECEPTOR							
REINFORCING 'B' (1 ALUMINUM CHANNEL IN EACH MOVING PANEL BOTTOM RAIL)							
PANEL WIDTH INCHES	DOOR HEIGHT INCHES	ANCHORS TYPE 'C'		ANCHORS TYPE 'D'		ANCHORS TYPE 'E'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24	80	100.0	210.0	100.0	210.0	100.0	210.0
30		100.0	210.0	100.0	210.0	100.0	210.0
36		100.0	210.0	100.0	210.0	100.0	210.0
42		100.0	210.0	100.0	210.0	100.0	210.0
48		100.0	186.8	100.0	210.0	100.0	210.0
54	84	100.0	166.0	100.0	210.0	100.0	210.0
24		100.0	210.0	100.0	210.0	100.0	210.0
30		100.0	210.0	100.0	210.0	100.0	210.0
36		100.0	210.0	100.0	210.0	100.0	210.0
42	84	100.0	203.3	100.0	210.0	100.0	210.0
48		100.0	177.9	100.0	210.0	100.0	210.0
54		100.0	158.1	100.0	210.0	100.0	210.0
24	90	100.0	210.0	100.0	210.0	100.0	210.0
30		100.0	210.0	100.0	210.0	100.0	210.0
36		100.0	210.0	100.0	210.0	100.0	210.0
42		100.0	189.7	100.0	210.0	100.0	210.0
48		100.0	166.0	100.0	197.0	100.0	197.3
24	96-1/4	100.0	207.0	100.0	210.0	100.0	210.0
30		100.0	207.0	100.0	210.0	100.0	210.0
36		100.0	207.0	100.0	210.0	100.0	210.0
42		100.0	177.4	100.0	210.0	100.0	210.0
48		100.0	155.2	100.0	207.2	100.0	207.6

DESIGN LOAD CAPACITY - PSF DOORS WITH HEAD RECEPTOR							
REINFORCING 'C' (2 STEEL CHANNELS IN MOVING PANEL BOTTOM RAIL)							
PANEL WIDTH INCHES	DOOR HEIGHT INCHES	ANCHORS TYPE 'C'		ANCHORS TYPE 'D'		ANCHORS TYPE 'E'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24	80	100.0	130.0	100.0	130.0	100.0	130.0
30		100.0	130.0	100.0	130.0	100.0	130.0
36		100.0	130.0	100.0	130.0	100.0	130.0
42		100.0	130.0	100.0	130.0	100.0	130.0
48		100.0	130.0	100.0	130.0	100.0	130.0
54	84	100.0	130.0	100.0	130.0	100.0	130.0
24		100.0	130.0	100.0	130.0	100.0	130.0
30		100.0	130.0	100.0	130.0	100.0	130.0
36		100.0	130.0	100.0	130.0	100.0	130.0
42	84	100.0	130.0	100.0	130.0	100.0	130.0
48		100.0	130.0	100.0	130.0	100.0	130.0
54		100.0	130.0	100.0	130.0	100.0	130.0
60		100.0	130.0	100.0	130.0	100.0	130.0
24	90	100.0	130.0	100.0	130.0	100.0	130.0
30		100.0	130.0	100.0	130.0	100.0	130.0
36		100.0	130.0	100.0	130.0	100.0	130.0
42		100.0	130.0	100.0	130.0	100.0	130.0
48		100.0	130.0	100.0	130.0	100.0	130.0
54	96	100.0	130.0	100.0	130.0	100.0	130.0
24		100.0	130.0	100.0	130.0	100.0	130.0
30		100.0	130.0	100.0	130.0	100.0	130.0
36		100.0	130.0	100.0	130.0	100.0	130.0
42	96	100.0	130.0	100.0	130.0	100.0	130.0
48		100.0	130.0	100.0	130.0	100.0	130.0
54		100.0	130.0	100.0	130.0	100.0	130.0
60		100.0	130.0	100.0	130.0	100.0	130.0
24	102	100.0	130.0	100.0	130.0	100.0	130.0
30		100.0	130.0	100.0	130.0	100.0	130.0
36		100.0	130.0	100.0	130.0	100.0	130.0
42		100.0	130.0	100.0	130.0	100.0	130.0
48		100.0	130.0	100.0	130.0	100.0	130.0
54	108-1/4	100.0	130.0	100.0	130.0	100.0	130.0
24		100.0	130.0	100.0	130.0	100.0	130.0
30		100.0	130.0	100.0	130.0	100.0	130.0
36		100.0	130.0	100.0	130.0	100.0	130.0
42	108-1/4	100.0	130.0	100.0	130.0	100.0	130.0
48		100.0	130.0	100.0	130.0	100.0	130.0



CHARTS AT LEFT ARE FOR DOOR HEIGHTS
WITHOUT HEAD RECEPTOR.
DOORS USING HEAD RECEPTOR MAY BE
1" HIGHER THAN SHOWN (SEE SKETCH)

PRODUCT RENEWED
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Expiration Date 07/03/2018

NOTE: Miami Dade Product Control
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
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MAY 02 2012

ALL EXTERIOR(+) LOADS SHOWN ON THIS SHEET ARE
FOR DOORS USING 4-1/8" SILL HEIGHTS.
FOR DOORS USING 3-1/2" SILL HEIGHTS LIMIT
EXT.(+) LOADS TO 90.0 PSF.

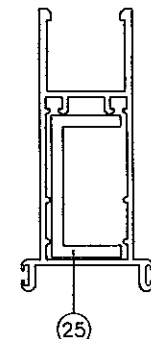
TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'C' 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD
THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
TYPE 'D' 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
TYPE 'E' #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
INTO METAL STRUCTURES
STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

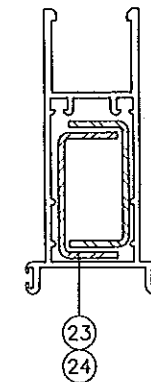
TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



MOV. PANEL BOTTOM RAIL
REINFORCING 'B'



MOV. PANEL BOTTOM RAIL
REINFORCING 'C'

DOORS WITH HEAD RECEPTOR

CLUSTER OF 8 ANCHORS AT STILE ENDS AT HEAD
CLUSTER OF 6 ANCHORS AT STILE ENDS AT SILL

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COMP-ANL\W02-117MW

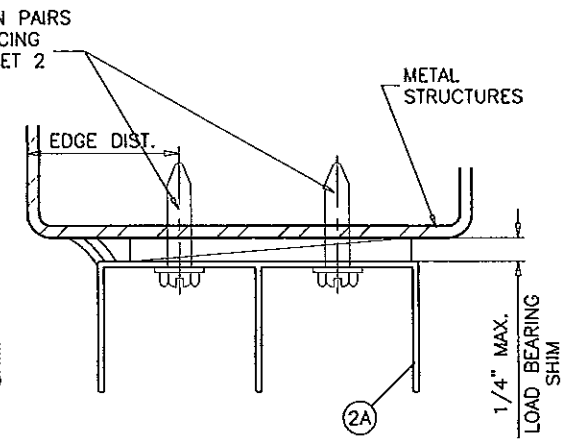
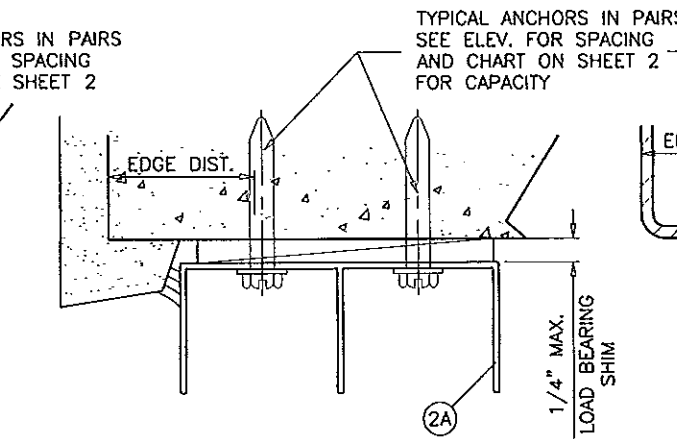
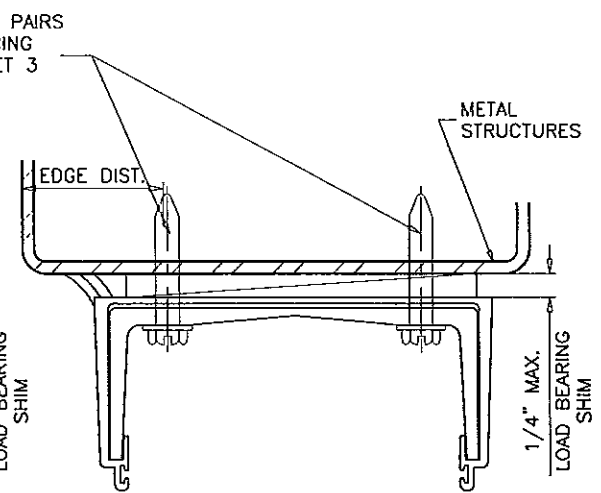
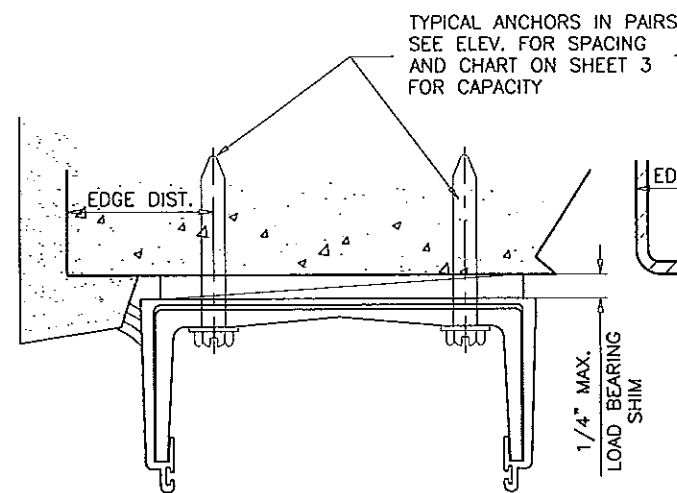
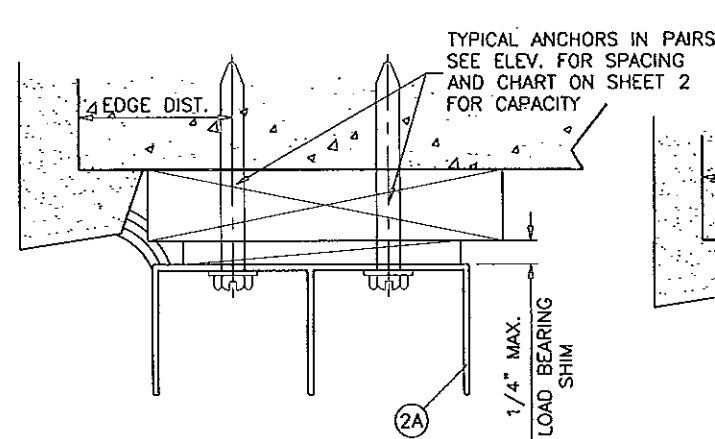
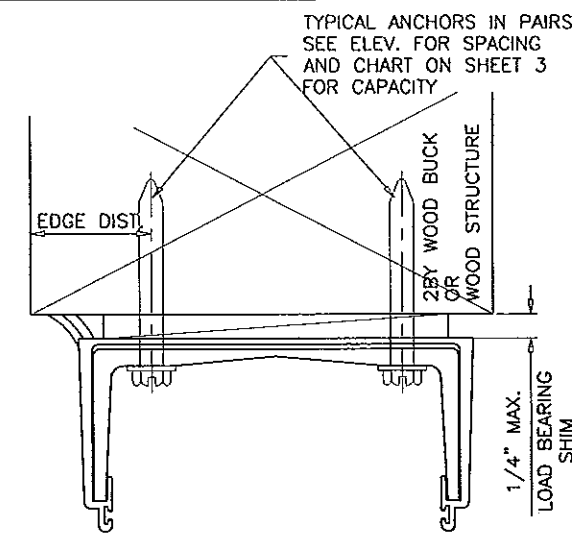
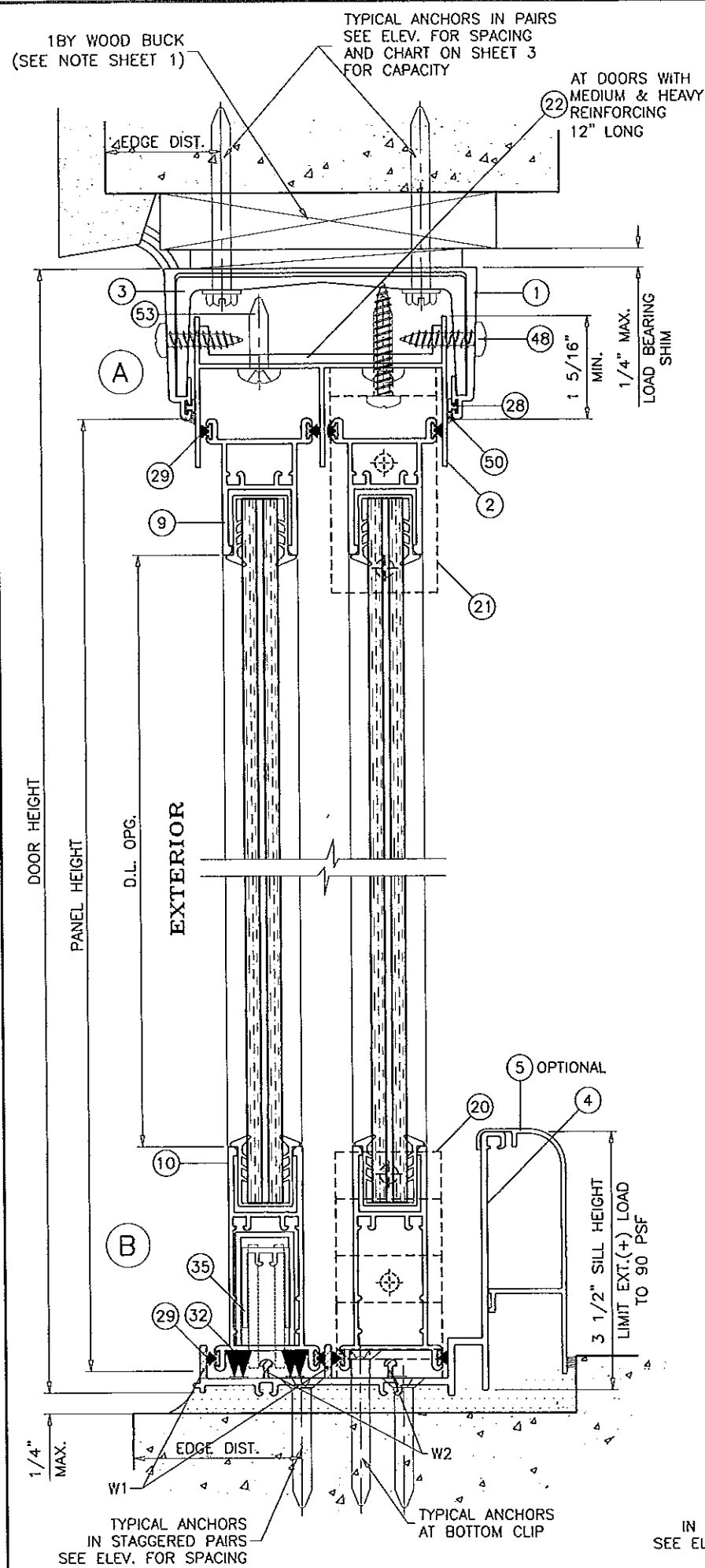
SERIES-350 ALUM. SLIDING GLASS DOOR (S.M.I.)

T.M. WINDOWS LLC.
601 N.W. 12TH AVE.
POMPANO BEACH, FL. 33069
TEL. (954) 781-4430 FAX. (954) 781-5078

no	date	description	by
A	06.29.07	UPDATED FOR 2004 FBC	
B	04.04.08	REV. PER BCCO COMMENTS	
C	05.02.08	REV. PER BCCO COMMENTS	
D	03.13.12	UPDATED TO 2010 FBC	

date: 12-19-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W02-117
sheet 3 of 7



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **13-0517.01**
Expiration Date **07/03/2018**

By *[Signature]*
Miami Dade Product Control

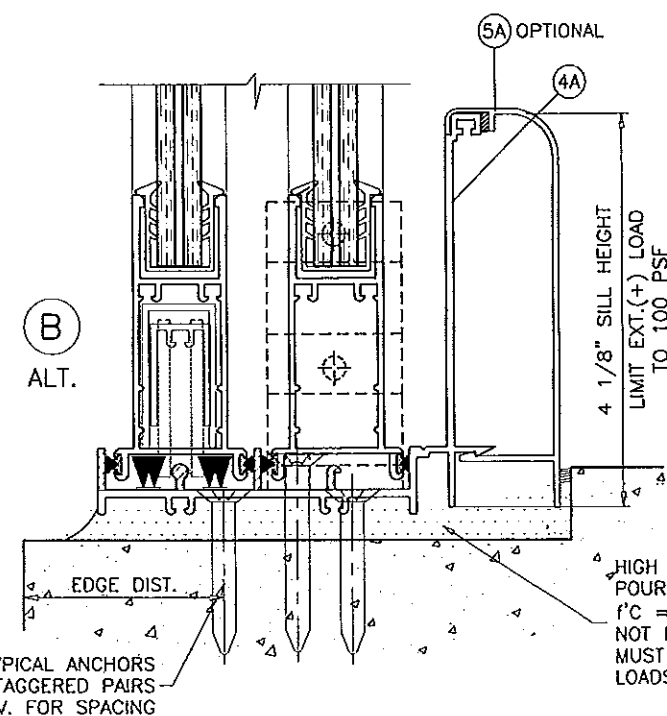
WOOD BUCKS AND METAL STRUCTURE NOT BY TM WINDOWS
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

SEALANTS:

FIXED PANEL STILE TO FRAME, PANEL AND FRAME CORNERS AND
HEAD RECEPTOR TO FRAME SEALED WITH CLEAR COLORED SILICONE.

WEEPHOLES:

- W1 = (4) 1" WEEP NOTCH
ONE AT EACH END OF EACH PANEL
- W2 = (4) 3/8" WEEP NOTCH
ONE AT EACH END OF EACH PANEL



HIGH STRENGTH NON SHRINK
POURED & HARDENED GROUT
f'c = 5000 PSI MIN.
NOT BY TM WINDOWS
MUST TRANSFER SHEAR
LOADS TO STRUCTURE

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

[Signature]
MAY 02 2012

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By *[Signature]*
Miami Dade Product Control

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SERIES-350 ALUM. SLIDING GLASS DOOR (S.M.I.)

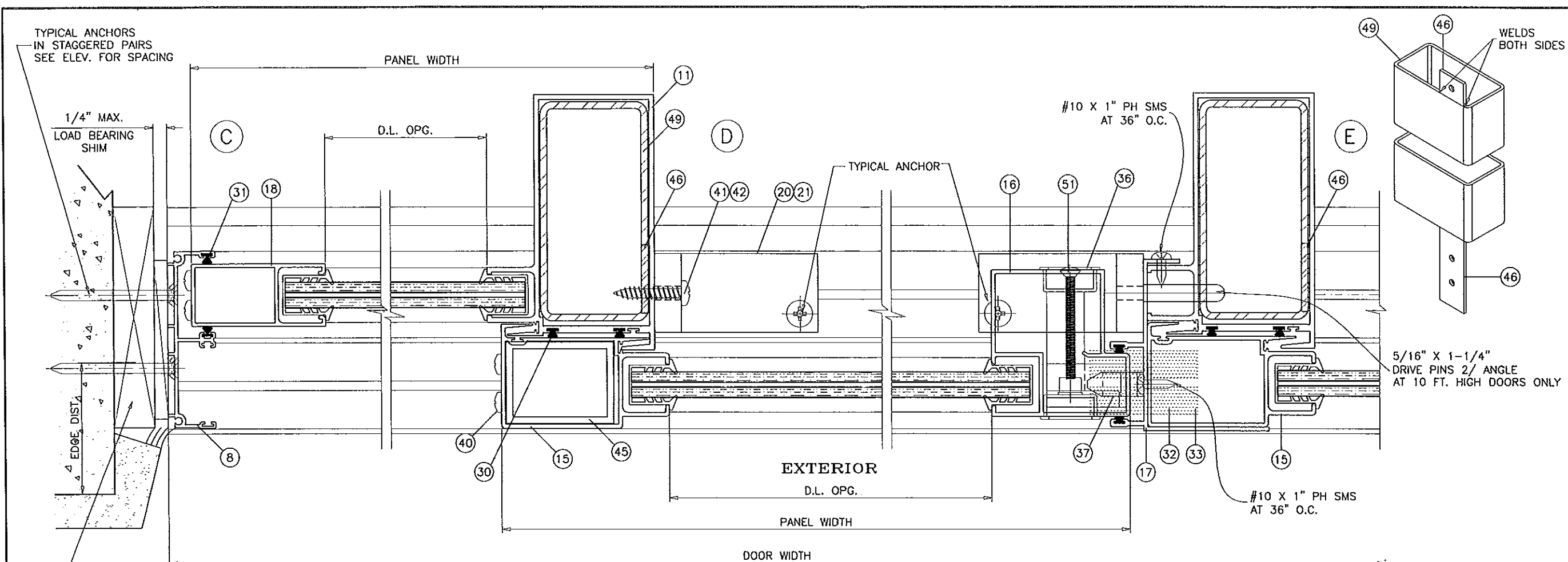
T.M. WINDOWS LLC.
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POMPANO BEACH, FL. 33069
TEL (954) 781-4430 FAX (954) 781-5078

revisions:	no	date	by	description
	A	06.29.07	REV.	UPDATED FOR 2004 FBC
	B	04.04.08	REV.	PER BOCO COMMENTS
	C	05.02.08	REV.	PER BOCO COMMENTS
	D	03.13.12	REV.	UPDATED TO 2010 FBC

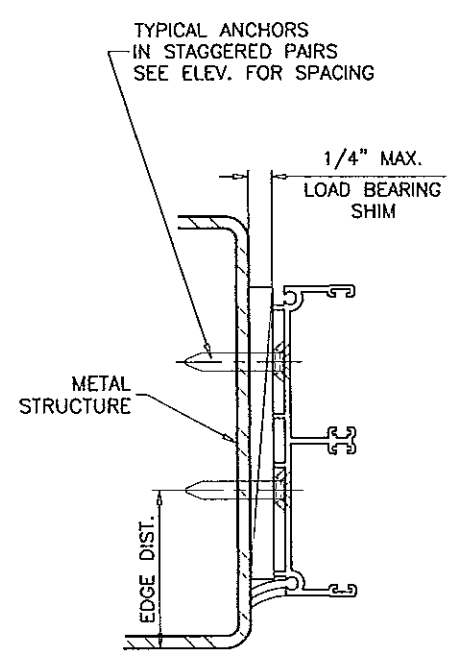
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scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W02-117

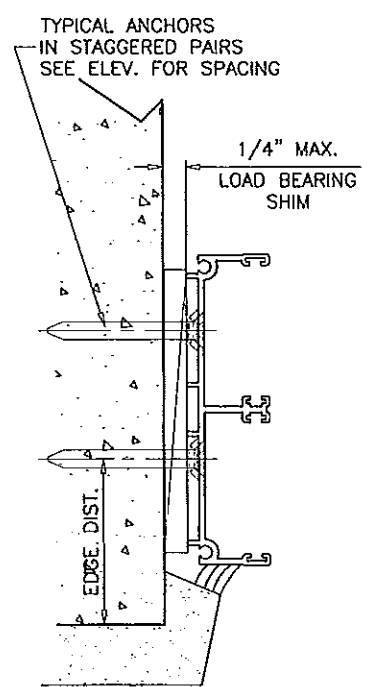
sheet 4 of 7



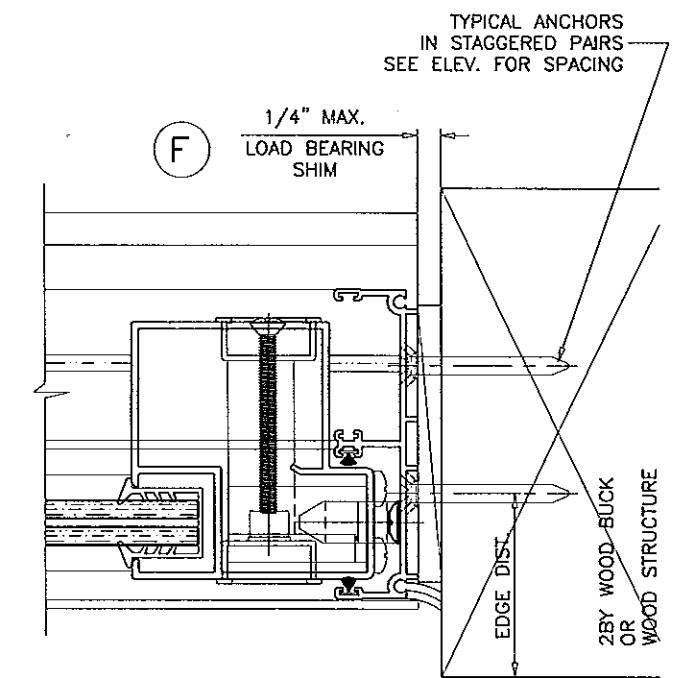
1BY WOOD BUCKS
SEE NOTE SHEET 1



ATTACHMENT TO METAL STRUCTURES
STEEL OR ALUMINUM



ATTACHMENT TO CONCRETE
OR CONC. BLOCK



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af c

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B	04.04.08 REV. PER BCCO COMMENTS
C	05.02.08 REV. PER BCCO COMMENTS
D	03.13.12 UPDATED TO 2010 FBC

date: 12-19-02

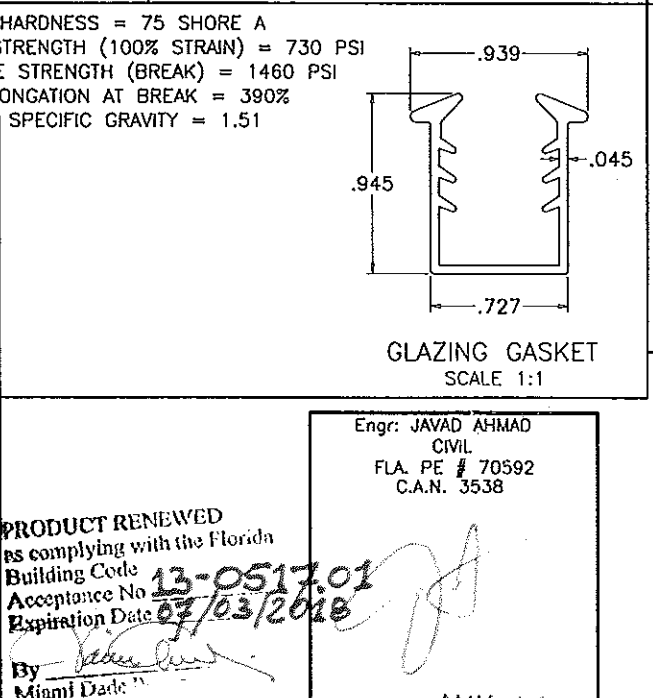
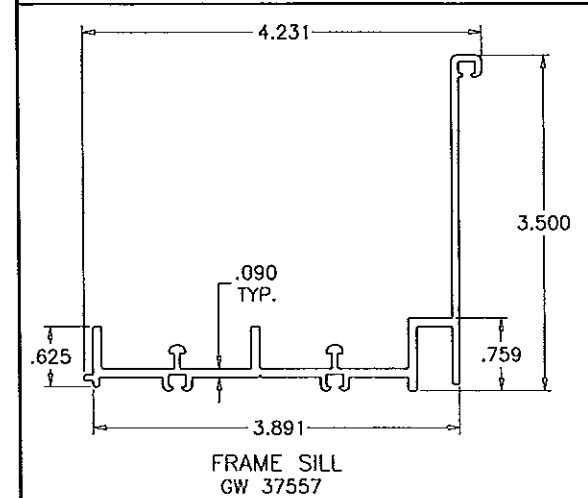
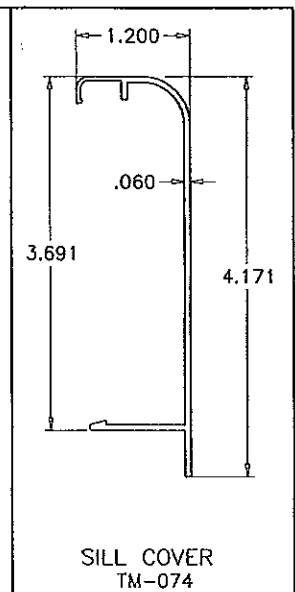
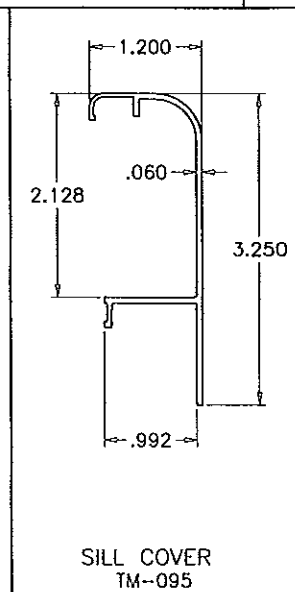
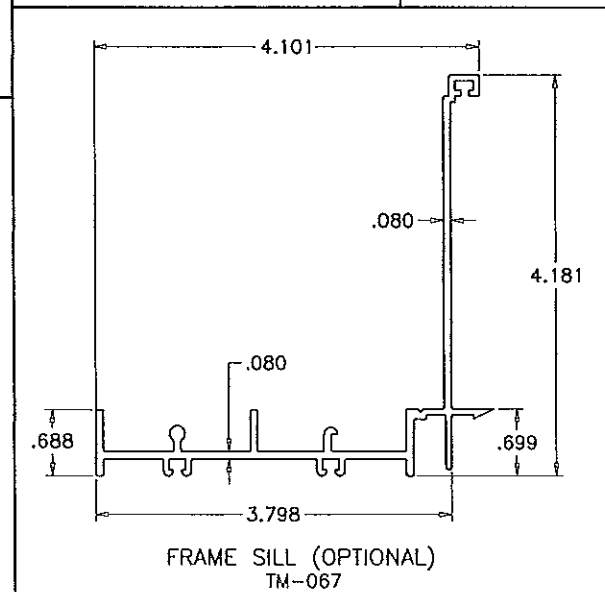
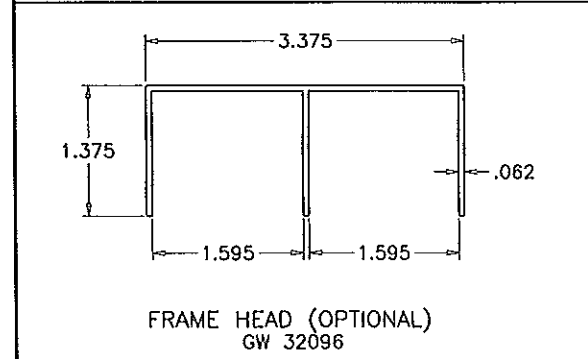
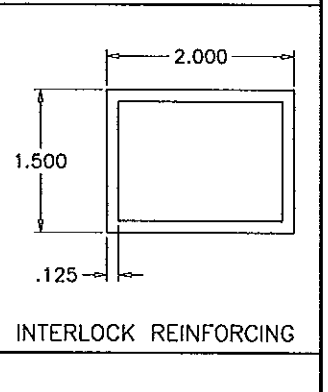
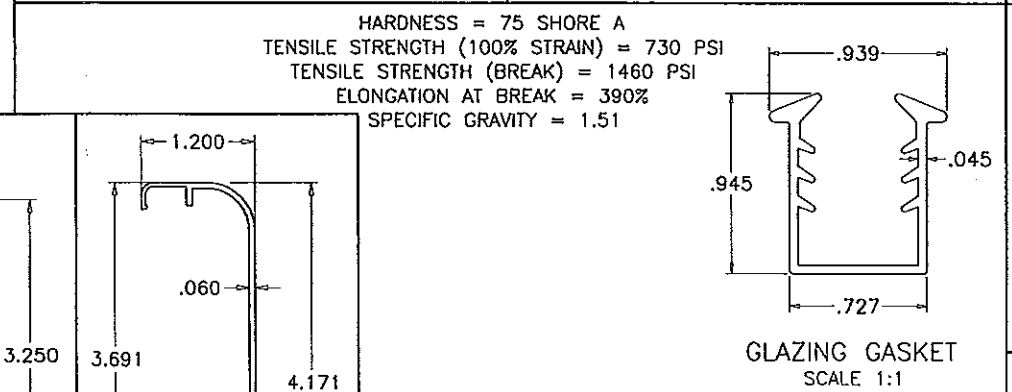
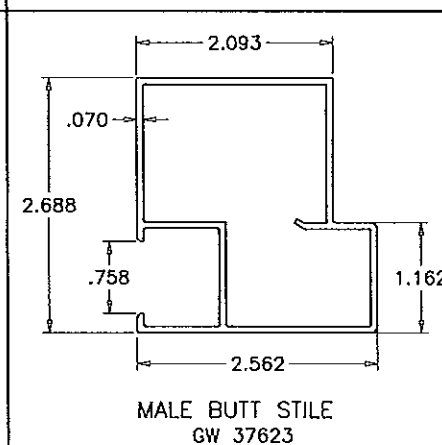
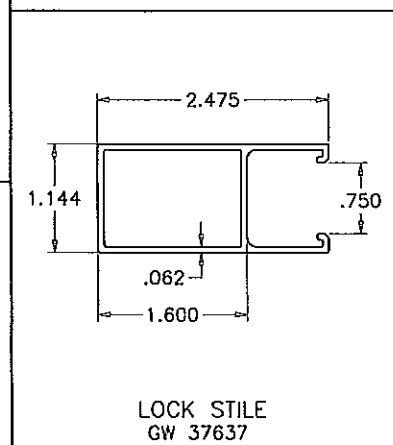
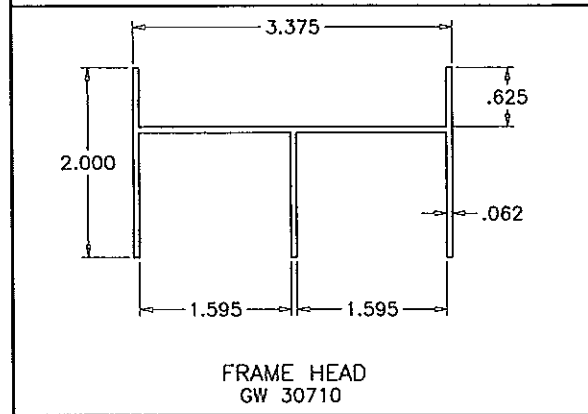
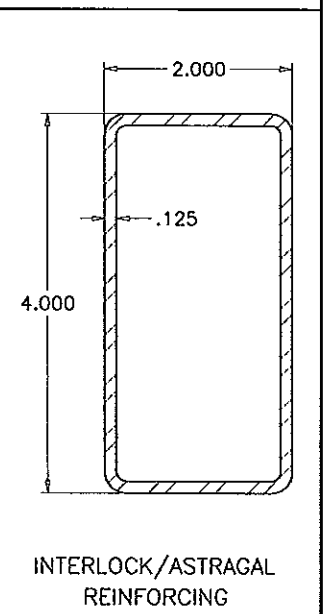
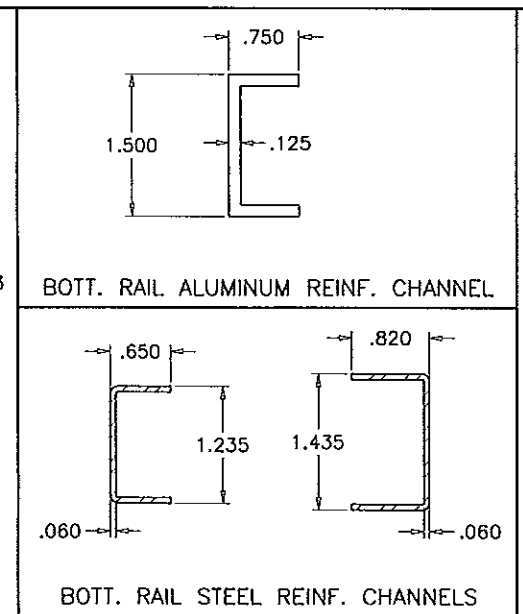
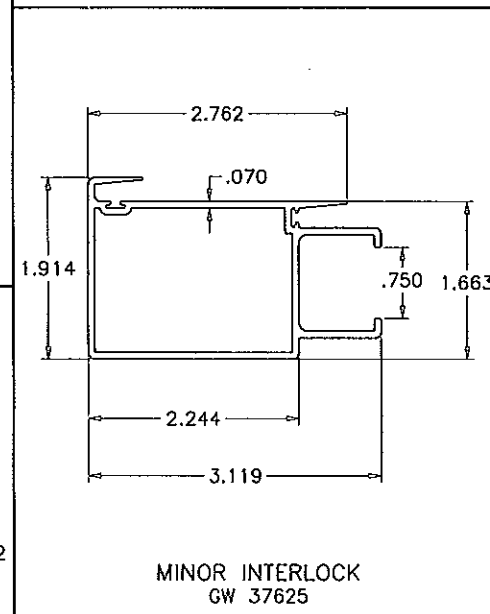
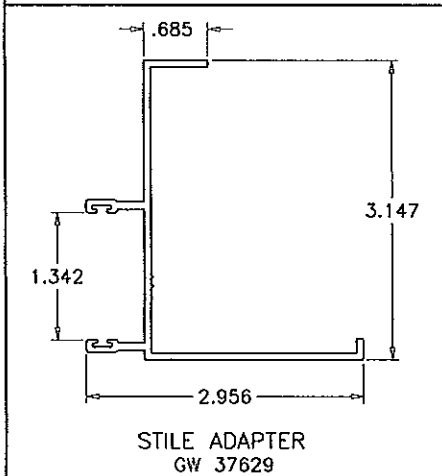
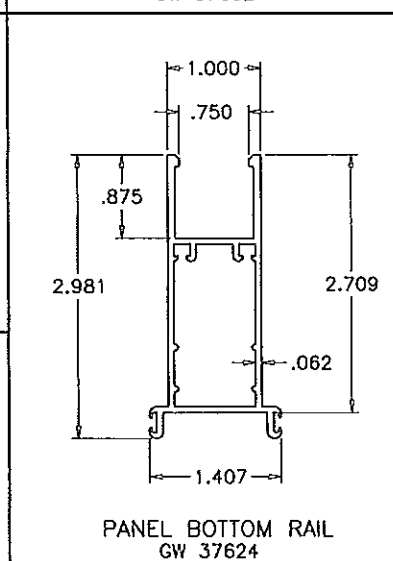
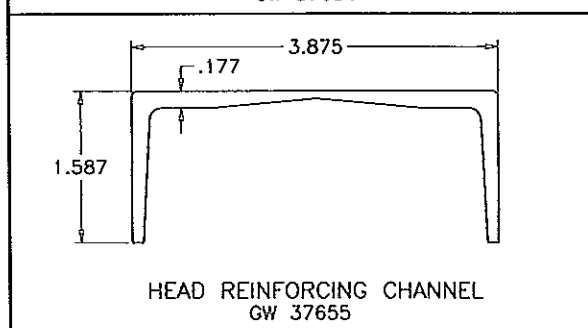
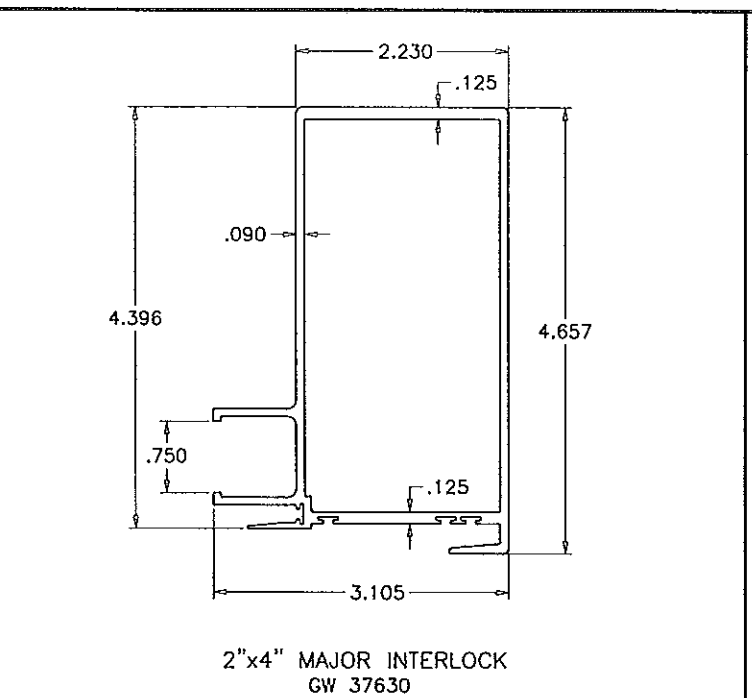
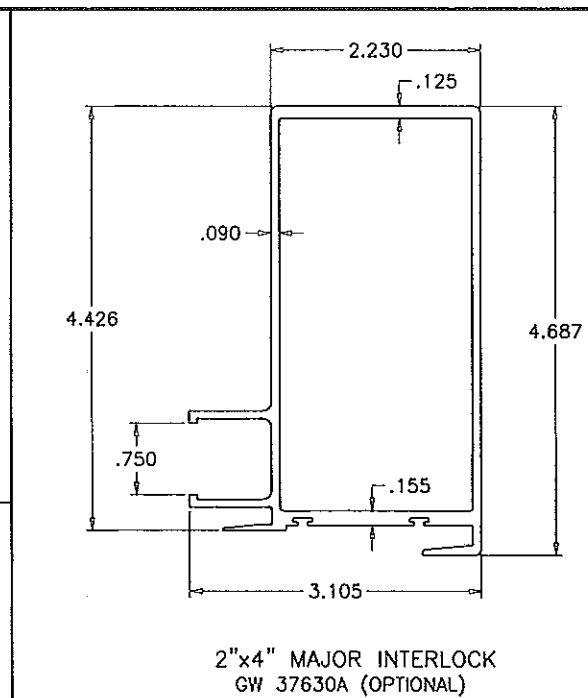
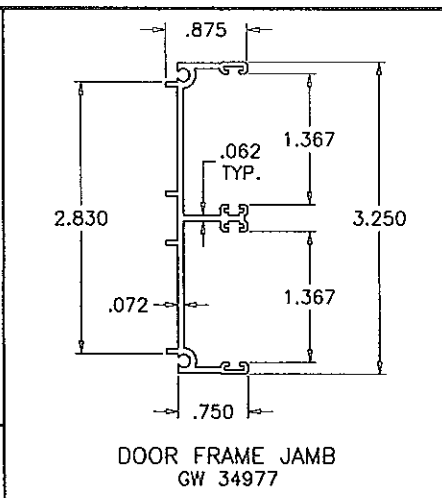
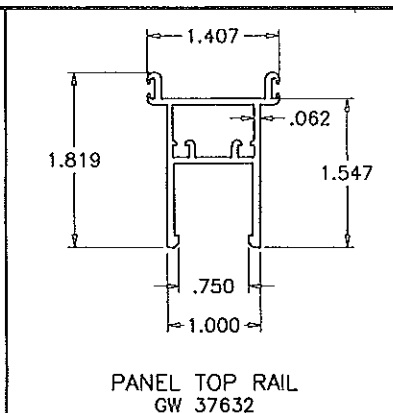
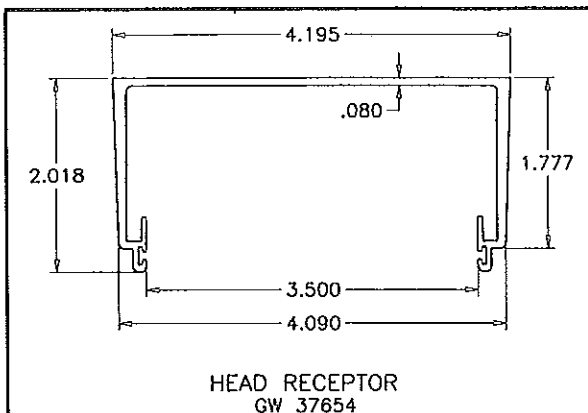
scale: 1/2" = 1"

dr. by: HAMID

chk. by:

drawing no.
W02-117

sheet 5 of 7



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 13-0517.01
Expiration Date 07/03/2018
By: [Signature]
Miami Dade

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0507.06
Expiration Date 7/3/2013
By: [Signature]
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W02-117TMW

SERIES-350 ALUM. SLIDING GLASS DOOR (S.M.I.)

T.M. WINDOWS LLC.
601 N.W. 12TH AVE.
POMPANO BEACH, FL. 33069
TEL (954) 781-4430 FAX (954) 781-5078

no	date	by	description
A	06.29.07		UPDATED FOR 2004 FBC
B	04.04.08		REV. PER BCCO COMMENTS
C	05.02.08		REV. PER BCCO COMMENTS
D	03.13.12		UPDATED TO 2010 FBC

date: 12-19-02

scale: 1/2" = 1"

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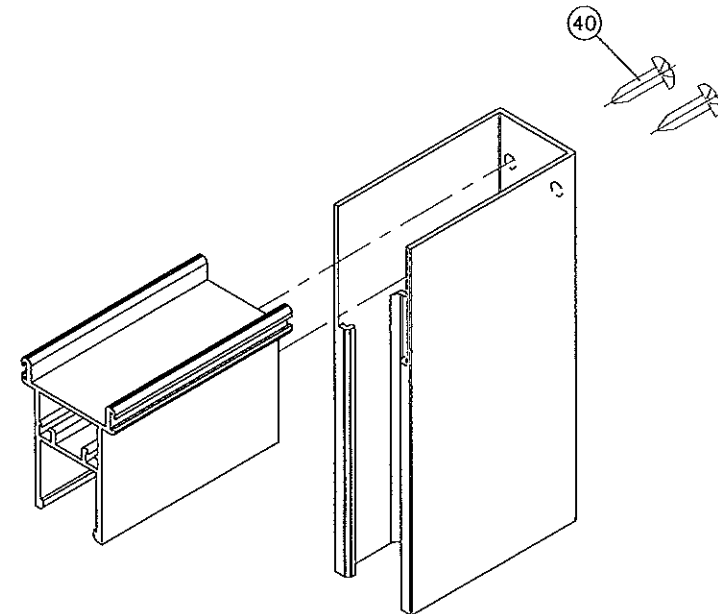
sheet 6 of 7

MAY 09 2012

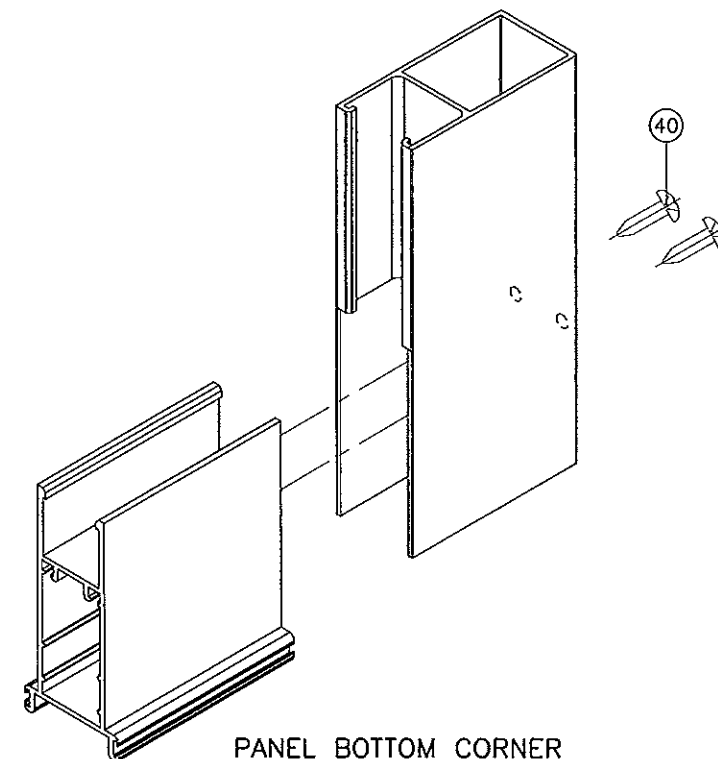
ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GW 37654	1	HEAD RECEPTOR	ALUM-6063 T6	FRAME TOP
2	GW 30710	1	FRAME HEAD	ALUM-6063 T5	FRAME TOP
2A	GW 32096	1	FRAME HEAD (OPTIONAL)	ALUM-6063 T6	FRAME TOP
3	GW 37655	6	HEAD RECEPTOR REINFORCEMENT (6" LONG)	ALUM-6063 T6	AT HEAD ENDS & CENTER LINE OF PANELS
3A	GW 37655	3	HEAD RECEPTOR REINFORCEMENT (14" LONG)	ALUM-6063 T6	AT ASTRAGAL & INTERLOCK LOCATIONS
4	GW 37557	1	3 1/2" SILL	ALUM-6063 T6	FRAME BOTTOM
4A	TM-067	1	4 1/4" SILL	ALUM-6063 T6	FRAME BOTTOM
5	TM-095	1	DECORATIVE SILL COVER (OPTIONAL)	ALUM-6063 T5	FRAME BOTTOM
5A	TM-074	1	DECORATIVE SILL COVER (OPTIONAL)	ALUM-6063 T5	FRAME BOTTOM
8	GW 34977	2	FRAME JAMB (TWO TRACKS)	ALUM-6063 T6	FRAME SIDE
9	GW 37632	4	TOP RAIL	ALUM-6063 T6	PANEL TOP
10	GW 37624	4	BOTTOM RAIL	ALUM-6063 T6	PANEL BOTTOM
11	GW 37630	2	2"X4" MAJOR INTERLOCK	ALUM-6063 T6	PANEL SIDES
15	GW 37625	2	MINOR INTERLOCK	ALUM-6063 T5	PANEL SIDES
16	GW 37623	1	MALE BUTT STILE	ALUM-6063 T6	PANEL ASTRAGAL
17	GW 37629	1	STILE ADAPTER	ALUM-6063 T5	PANEL ASTRAGAL
18	GW 37637	2	LOCK STILE	ALUM-6063 T6	PANEL SIDES
20	FXD 37743	2	BOTTOM CLIP (3x3x1/4x1 7/16" LG. ANGLE)	ALUMINUM	FRAME SILL
21	TP 37743	2	TOP CLIP (3x3x1/4x1 7/16" LG. ANGLE)	ALUMINUM	FRAME HEAD
22	-	3	3 1/4" X 1/2" X 1/8" X 12" LG. REINF. CHANNEL	ALUMINUM	ABOVE INTERLOCKS & ASTRAGAL STILES
23	-	AS REQD.	.820" X 1.435" X .06" THK. CHANNEL	STEEL	IN BOTTOM RAIL
24	-	AS REQD.	.650" X 1.235" X .060" THK. CHANNEL	STEEL	IN BOTTOM RAIL
25	-	AS REQD.	.750" X 1.500" X .125" THK. CHANNEL	ALUMINUM	IN BOTTOM RAIL
28	WV-3033	AS REQ'D	BULB TYPE VINYL	VINYL	HEAD RECEPTOR
29	4020-PILE	SINGLE ROW	"ULTRAFAB" FIN SEAL WEATHERSTRIP	WOOL	TOP & BOTTOM RAILS
30	4037-PILE	2/ROWS	"ULTRAFAB" FIN SEAL WEATHERSTRIP	WOOL	INTERIOR INTERLOCKS STILES
31	4020-PILE	SINGLE ROW	"ULTRAFAB" FIN SEAL WEATHERSTRIP	WOOL	FRAME JAMB/ASTRAGAL
32	-	2	1/2" x 2" LONG SELF ADHESIVE PILE PAD	WOOL	AT FRAME SILL
33	-	1	7/8" x 3" LONG SELF ADHESIVE PILE PAD	WOOL	AT FRAME HEAD
35	TM-36205	4	TM TANDEM ROLLER ASSEMBLY	ALUMINUM/NYLON	BOTTOM ACTIVE PANELS
36	TM-32476	1	TM LATCH ASSEMBLY	ALUMINUM/VINYL	MALE ASTRAGAL
37	TM-32424	1	TM KEEPER	ALUMINUM	FEMALE ASTRAGAL
39	-	2	#8 X 1/2" OH. SMS. - KEEPER INST. SCREW	STEEL	FEMALE ASTRAGAL
40	-	8/PANEL	#10 X 1" PH. SMS. - PANEL ASSEMBLY SCREW	STEEL	PANEL CORNERS
41	-	(2/CLIP)	#14 X 1-1/4" PH. SMS. - FIXED PANEL CLIP	STEEL	TOP/BOTTOM CLIPS/STILES
42	-	1/CLIP	#14 X 1-1/2" PH. SMS. -TOP FIXED CLIP	STEEL	HEAD TOP INTERLOCK
45	-	AS REQD.	1 1/2 x 2 x 1/8 REINF. TUBE	ALUMINUM	-
46	-	-	1/1/4" X 1/8" BAR, 3-1/4" LONG AT SILL & 1" LONG AT HAED	STEEL	-
48	-	6	#14 x 1" PH. SMS.	STEEL	AT 50" O.C.
49	-	3	2 X 4 X 1/8" REINFORCEMENT TUBE (LENGTH = PANEL HT. - 8")	HR STEEL	MAJOR INTERLOCK/ASTRAGAL
50	-	AS REQ'D	SILICONE CAP (DOW 995)	SILICONE	FRAME/HEAD RECEPTOR
51	-	2/LATCH	#10 X 2" OH. MS. - ASSEMBLY SCREW	STEEL	LATCH ASSEMBLY
53	-	4/CHANNEL	#14 X 1-1/2" PH. SMS.	STEEL	AT HEAD ALUM. CHANNEL
54	WV-1348	AS REQD.	GLAZING GASKET	VINYL	AMERICAN VINYL CO.

LOCKS:

2 POINT FLUSH MOUNT HOOK LOCK AT MOVING PANEL LOCK STILE
 42-1/2" FROM BOTTOM FASTENED WITH: (2) #10 X 2-1/2" OH MS.
 (2) SURFACE MOUNT ALUMINUM KEEPERS FACING LOCK AT 35-1/2"
 AND 50" FROM BOTTOM EACH FASTENED WITH (2) #10 X 1" FH SMS.



PANEL TOP CORNER



PANEL BOTTOM CORNER

PRODUCT RENEWED
 as complying with the Florida
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 Acceptance No 13-0511.01
 Expiration Date 07/03/2018
 By *[Signature]*
 Miami Dade Product Control

Engr: JAVAD AHMAD
 CIVIL
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 C.A.N. 3538

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MAY 02 2012

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