



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

T.M. Windows, LLC
 601 NW 12th Ave.
 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 (Reinforced) – N.I.

APPROVAL DOCUMENT: Drawing No. **W02-115 Rev C**, titled "Series 350-Alum. Sliding Glass Door (N.I.)", sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, 12/02/12, signed and sealed by Javad Ahmad, 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 Section.

MISSILE IMPACT RATING: None. Approved Hurricane Protection Devices, complying w/ FBC required.

Limitations:

1. See Design Pressure capacity Vs. Reinforcing, anchor & sill height, in sheets 2 & 3. Approved configurations are 4 panels or less. Glass wider than 36" require approved setting blocks or clamps per FBC requirements.
2. DLO width= Panel width-5-5/8" & DLO height= Panel height-4-1/4".
3. Panel height = door height-1" w/o Head Receptor (Panel height = door height-2" w/ Head Receptor)

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 # 12-0507.05** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



12/19/12

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (Submitted under file # **12-0507.05**)
2. Drawing No. **W02-115 Rev C**, titled "Series 350-Alum. Sliding Glass Door (N.I.)", sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, 12/02/12, signed and sealed by Javad Ahmad, P.E

B. TESTS (Submitted under file # **12-0507.05/ 06-1016.01)**

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) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with installation diagram prepared by Fenestration Testing Laboratory, Inc., Test Report No.**FTL-2771** dated 01/15/01 & Test Report No.**FTL-2976** dated 03/02/01, both signed and sealed by Antonio Acevedo, P.E. and Test Report No.**FTL-3088** dated 11/19/01, signed and sealed by Luis A. Figueredo, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al Farooq Corporation, dated 05/02/12, signed and sealed by Javad Ahmad, P.E. (Submitted under file # **12-0507.05**)
2. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

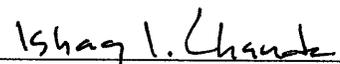
1. Technical data sheet for PVC gasket #1348 with GG-75 raw material by American Vinyl Company.

F. STATEMENTS

1. Statement letter of conformance and letter of no financial interest, prepared by Al Farooq Corporation, dated 11/19/12, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test reports.
3. Statement letter dated 11/29/12 of pending test, issued by Fenestration Testing Lab, signed by Ms. Leigh Sanchez.

G. OTHER

1. This NOA **renews** NOA # **12-0507.05**, expiring on Jan 23, 2013.
2. One year conditional approval, subjected to successful re-test.
3. Test proposal, dated 10/18/01, approved by BCCO.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 12-1205.03

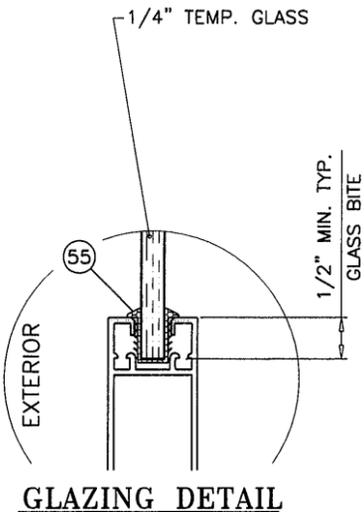
Expiration Date: January 23, 2014

Approval Date: December 27, 2012

DOORS WITH HEAD RECEPTORS
 12" LONG REINFORCING CHANNELS AT MTG. STILES
 6" LONG REINFORCING CHANNELS AT ENDS & INTERMEDIATE LOCATIONS.

CLUSTER OF ANCHORS
 SEE CHART ON SHEET 2

2 ANCHORS
 AT INTERMEDIATE PLACES
 AND AT ENDS



DOORS NOT RATED FOR IMPACT.
 INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.
 INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

SERIES-350 ALUM. SLIDING GLASS DOOR

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).

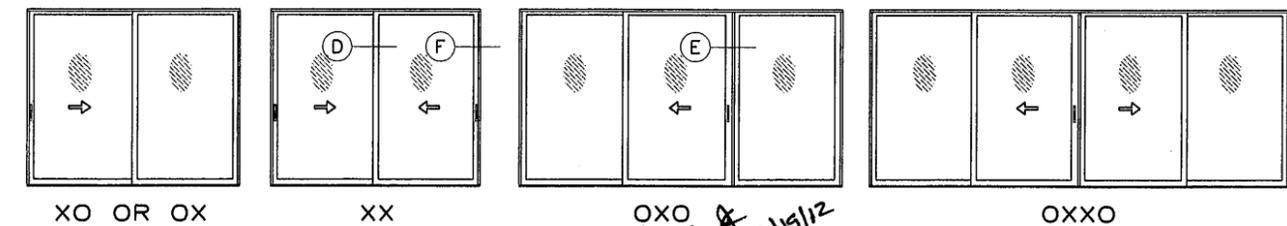
1BY OR 2BY WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

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

THIS ALSO APPROVES DOORS WITH MORE THAN 4 PANELS THAT CONTAIN THE STILE COMBINATIONS SHOWN IN THESE DETAILS.

6" MAX. TYP. HEAD/SILL CORNERS

DOOR WIDTH

20" MAX. TYP. AT HEAD

MAX. DOOR HEIGHT 120" W/O HEAD RECEPTOR 121" WITH HEAD RECEPTOR

PANEL HEIGHT D.L. OPG.

61 1/4" SECURITY PIN AT DOORS WITH HEAVY REINFORCING ONLY

42 3/4" LOCK

D.L. OPG.

D.L. OPG.

MOV. PANEL WIDTH

FIX. PANEL WIDTH

TYPICAL ELEVATION

11/16"

CLUSTER OF 4 AT MTG. STILES

20" MAX. TYP. AT SILL

6" MAX. JAMB CORNERS

JAMB ANCHORS

12" MAX. JAMBS

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

MAY 02 2012

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No 12-1205.03
 Expiration Date Jan 23, 2014

By *Shao J. Chan*
 Miami Dade Product Control

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 12-0507.05
 Expiration Date 1/23/2013

By *[Signature]*
 Miami Dade Product Control

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W02-115TMW

SERIES-350 ALUM. SLIDING GLASS DOOR (N.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
A	07.14.06	UPDATED FOR 2004 FBC
B	03.16.07	REV. PER BCCO COMMENTS
C	03.12.12	UPDATED TO 2010 FBC

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

drawing no. **W02-115**
 sheet 1 of 7

DESIGN LOAD CAPACITY - PSF
DOORS W/O HEAD RECEPTOR

PANEL WIDTH FT./IN.	DOOR HEIGHT FT./IN.	LIGHT REINF.		MEDIUM REINFORCING				HEAVY REINFORCING					
		TYPE 'A' OR 'B'		ANCHORS TYPE 'A' OR 'B'				ANCHORS TYPE 'A' OR 'B'					
		A4 OR B4	A4 OR B4	A4 OR B4	A4 OR B4	A6 OR B6	A6 OR B6	A8 OR B8	A4 OR B4	A6 OR B6	A8 OR B8	A4 OR B4	A6 OR B6
EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
2/0	6/8	100.0	132.7	100.0	132.7	100.0	199.1	100.0	132.7	100.0	199.1	100.0	210.0
2/6		100.0	111.1	100.0	111.1	100.0	166.6	100.0	111.1	100.0	166.6	100.0	210.0
3/0		97.0	97.0	97.0	97.0	100.0	145.5	97.0	97.0	100.0	145.5	100.0	194.0
3/6		87.4	87.4	87.4	87.4	100.0	131.1	87.4	87.4	100.0	131.1	100.0	169.0
4/0		80.6	80.6	80.6	80.6	100.0	120.9	80.6	80.6	100.0	120.9	100.0	160.8
4/6		75.7	75.7	75.7	75.7	100.0	113.5	75.7	75.7	100.0	113.5	100.0	151.3
5/0		-	-	72.2	72.2	100.0	108.3	72.2	72.2	100.0	108.3	100.0	144.4
2/0	8/0	100.0	107.4	100.0	107.4	100.0	161.1	100.0	107.4	100.0	161.1	100.0	210.0
2/6		89.1	89.1	89.1	89.1	100.0	133.7	89.1	89.1	100.0	133.7	100.0	178.3
3/0		77.1	77.1	77.1	77.1	100.0	115.7	77.1	77.1	100.0	115.7	100.0	154.3
3/6		68.8	68.8	68.8	68.8	100.0	103.1	68.8	68.8	100.0	103.1	100.0	135.7
4/0		62.7	62.7	62.7	62.7	94.0	94.0	62.7	62.7	94.0	94.0	100.0	123.9
4/6		-	-	58.1	58.1	87.2	87.2	58.1	58.1	87.2	87.2	100.0	116.3
5/0		-	-	-	-	-	-	54.7	54.7	82.0	82.0	100.0	109.4
2/0	9/0	87.2	87.2	94.0	94.0	100.0	141.0	94.0	94.0	100.0	141.0	100.0	188.0
2/6		70.5	70.5	77.6	77.6	100.0	116.4	77.6	77.6	100.0	116.4	100.0	155.3
3/0		59.6	59.6	66.8	66.8	100.0	100.3	66.8	66.8	100.0	100.3	100.0	133.7
3/6		51.9	51.9	59.3	59.3	88.9	88.9	59.3	59.3	88.9	88.9	100.0	118.5
4/0		-	-	53.7	53.7	80.6	80.6	53.7	53.7	80.6	80.6	100.0	107.0
4/6		-	-	-	-	-	-	49.5	49.5	74.3	74.3	99.0	99.0
5/0		-	-	-	-	-	-	-	-	-	-	-	-
2/0	9/6	74.0	74.0	88.5	88.5	100.0	132.7	88.5	88.5	100.0	132.7	100.0	176.9
2/6		59.7	59.7	72.9	72.9	100.0	109.4	72.9	72.9	100.0	109.4	100.0	145.8
3/0		50.4	50.4	62.7	62.7	94.0	94.0	62.7	62.7	94.0	94.0	100.0	125.3
3/6		-	-	55.4	55.4	83.2	83.2	55.4	55.4	83.2	83.2	100.0	110.9
4/0		-	-	-	-	-	-	50.1	50.1	75.2	75.2	100.0	100.3
2/0	10/0	63.3	63.3	83.6	83.6	100.0	125.3	83.6	83.6	100.0	125.3	100.0	167.1
2/6		51.1	51.1	68.8	68.8	100.0	103.1	68.8	68.8	100.0	103.1	100.0	137.5
3/0		43.0	43.0	59.0	59.0	88.5	88.5	59.0	59.0	88.5	88.5	100.0	118.0
3/6		-	-	52.1	52.1	78.1	78.1	52.1	52.1	78.1	78.1	100.0	104.2
4/0		-	-	-	-	-	-	47.0	47.0	70.5	70.5	94.0	94.0

A4, B4 = CLUSTER OF 4 ANCHORS W/O HEAD RECEPTOR
A6, B6 = CLUSTER OF 6 ANCHORS W/O HEAD RECEPTOR
A8, B8 = CLUSTER OF 8 ANCHORS W/O HEAD RECEPTOR
SEE SHEET 4 FOR DETAILS.

LOAD CAPACITIES SHOWN ABOVE ARE FOR DOORS USING 4-1/8" SILL HEIGHT
FOR DOORS USING 3-1/2" SILL HEIGHT LIMIT EXTERIOR(+) LOADS TO 90.0 PSF.

ANCHORS WITHOUT HEAD RECEPTOR

TYPICAL ANCHORS: SEE ELEV./CHART FOR SPACING

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

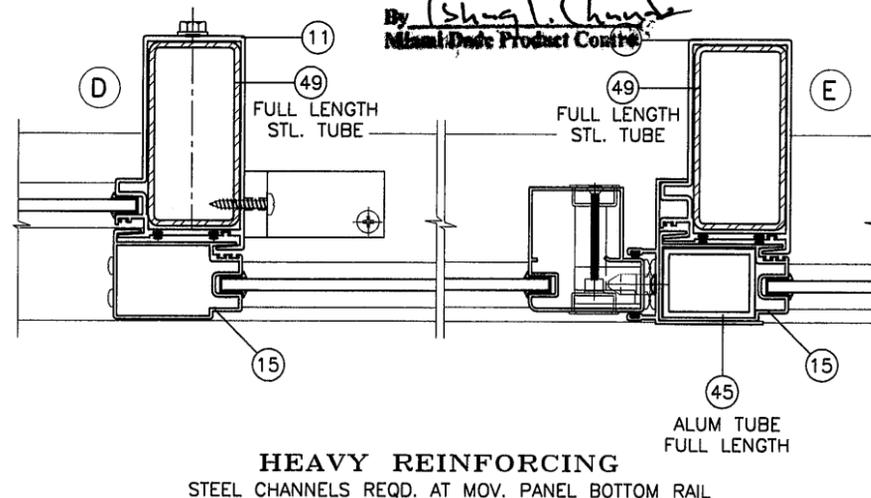
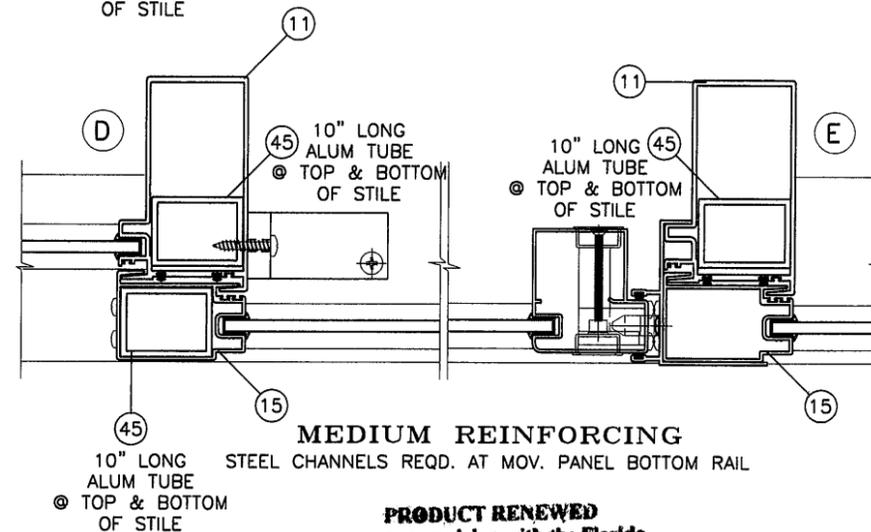
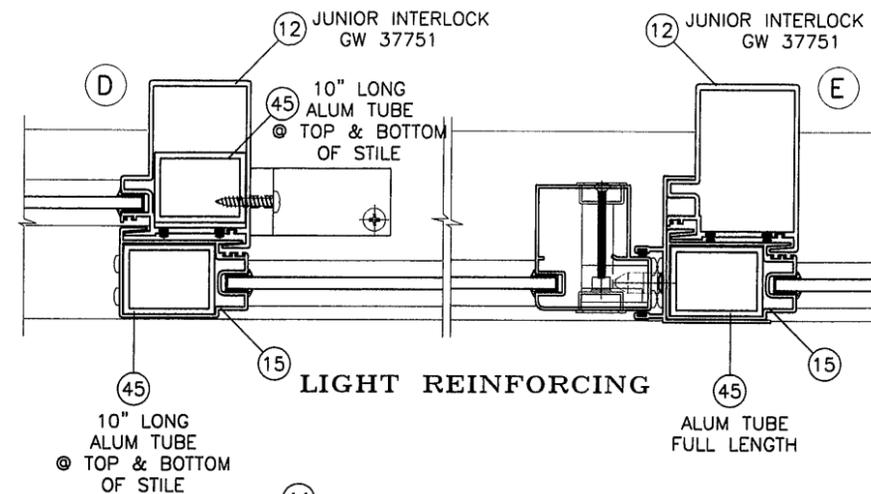
TYPE 'B' 1/4" ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#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.

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



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-1205.03
Expiration Date 1/23/14
By *[Signature]*
Miami Dade Product Control

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0507-05
Expiration Date 1/23/2013
By *[Signature]*
Miami Dade Product Control

MAY 02 2012

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W02-115TMW

SERIES-350 ALUM. SLIDING GLASS DOOR (N.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
A	07.14.06	UPDATED FOR 2004 FBC
B	03.16.07	REV. PER BCCO COMMENTS
C	03.12.12	UPDATED TO 2010 FBC

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

drawing no.
W02-115
sheet 2 of 7

DESIGN LOAD CAPACITY - PSF
DOORS WITH HEAD RECEPTOR

PANEL WIDTH FT./IN.	DOOR HEIGHT FT./IN.	LIGHT REINF.		MEDIUM REINFORCING								HEAVY REINFORCING											
		TYPE 'C' OR 'D'		ANCHORS TYPE 'C'				ANCHORS TYPE 'D'				ANCHORS TYPE 'C'				ANCHORS TYPE 'D'							
		C4 OR D4		C4		C6		C8		D4		D6		C4		C6		C8		D4		D6	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
2/0	6/8	100.0	132.7	100.0	146.5	100.0	210.0	100.0	210.0	100.0	195.7	100.0	210.0	100.0	146.5	100.0	210.0	100.0	210.0	100.0	195.7	100.0	210.0
		100.0	111.1	100.0	122.6	100.0	183.9	100.0	210.0	100.0	163.8	100.0	210.0	100.0	122.6	100.0	183.9	100.0	210.0	100.0	163.8	100.0	210.0
		97.0	97.0	100.0	107.1	100.0	160.6	100.0	184.2	100.0	143.1	100.0	184.2	100.0	107.1	100.0	160.6	100.0	194.0	100.0	143.1	100.0	194.0
		87.4	87.4	96.5	96.5	100.0	144.7	100.0	165.9	100.0	128.9	100.0	165.9	96.5	96.5	100.0	144.7	100.0	169.0	100.0	128.9	100.0	169.0
		80.6	80.6	88.9	88.9	100.0	133.4	100.0	152.9	100.0	118.8	100.0	152.9	88.9	88.9	100.0	133.4	100.0	160.8	100.0	118.8	100.0	160.8
		75.7	75.7	83.5	83.5	100.0	125.3	100.0	143.6	100.0	111.6	100.0	143.6	83.5	83.5	100.0	125.3	100.0	155.6	100.0	111.6	100.0	155.6
		-	-	79.7	79.7	100.0	119.5	100.0	137.0	100.0	106.5	100.0	137.0	79.7	79.7	100.0	119.5	100.0	149.0	100.0	106.5	100.0	149.0
2/0	8/0	100.0	107.4	100.0	118.6	100.0	177.9	100.0	203.9	100.0	158.4	100.0	203.9	100.0	118.6	100.0	177.9	100.0	210.0	100.0	158.4	100.0	210.0
		89.1	89.1	98.4	98.4	100.0	147.6	100.0	169.2	100.0	131.4	100.0	169.2	98.4	98.4	100.0	147.6	100.0	193.3	100.0	131.4	100.0	193.3
		77.1	77.1	85.1	85.1	100.0	127.7	100.0	146.4	100.0	113.7	100.0	146.4	85.1	85.1	100.0	127.7	100.0	167.3	100.0	113.7	100.0	167.3
		68.8	68.8	75.9	75.9	100.0	113.8	100.0	130.5	100.0	101.4	100.0	130.5	75.9	75.9	100.0	113.8	100.0	135.7	100.0	101.4	100.0	135.7
		62.7	62.7	69.2	69.2	100.0	103.8	100.0	119.0	92.4	92.4	100.0	119.0	69.2	69.2	100.0	103.8	100.0	123.9	92.4	92.4	100.0	123.9
		-	-	64.2	64.2	96.2	96.2	100.0	110.3	85.7	85.7	100.0	110.3	64.2	64.2	96.2	96.2	100.0	120.8	85.7	85.7	100.0	120.8
		-	-	-	-	-	-	-	-	-	-	-	-	-	60.4	60.4	90.5	90.5	100.0	118.6	80.7	80.7	100.0
2/0	9/0	87.2	87.2	100.0	103.8	100.0	155.6	100.0	178.4	100.0	138.6	100.0	178.4	100.0	103.8	100.0	155.6	100.0	203.9	100.0	138.6	100.0	203.9
		70.5	70.5	85.7	85.7	100.0	128.5	100.0	147.4	100.0	114.5	100.0	147.4	85.7	85.7	100.0	128.5	100.0	168.4	100.0	114.5	100.0	168.4
		59.6	59.6	73.8	73.8	100.0	110.7	100.0	126.9	98.6	98.6	100.0	126.9	73.8	73.8	100.0	110.7	100.0	145.0	98.6	98.6	100.0	145.0
		51.9	51.9	65.4	65.4	98.1	98.1	100.0	112.5	87.4	87.4	100.0	112.5	65.4	65.4	98.1	98.1	100.0	122.9	87.4	87.4	100.0	122.9
		-	-	59.3	59.3	88.9	88.9	100.0	102.0	79.2	79.2	100.0	102.0	59.3	59.3	88.9	88.9	100.0	107.0	79.2	79.2	100.0	107.0
		-	-	-	-	-	-	-	-	-	-	-	-	-	54.7	54.7	82.0	82.0	100.0	101.9	73.0	73.0	100.0
2/0	9/6	74.0	74.0	97.6	97.6	100.0	146.5	100.0	164.0	100.0	130.5	100.0	164.0	97.6	97.6	100.0	146.5	100.0	191.9	100.0	130.5	100.0	191.9
		59.7	59.7	80.5	80.5	100.0	120.7	100.0	132.5	100.0	107.5	100.0	132.5	80.5	80.5	100.0	120.7	100.0	158.2	100.0	107.5	100.0	158.2
		50.4	50.4	69.2	69.2	100.0	103.8	100.0	111.8	92.4	92.4	100.0	111.8	69.2	69.2	100.0	103.8	100.0	135.9	92.4	92.4	100.0	135.9
		-	-	61.2	61.2	91.8	91.8	97.2	97.2	81.8	81.8	97.2	97.2	61.2	61.2	91.8	91.8	100.0	118.8	81.8	81.8	100.0	118.8
		-	-	-	-	-	-	-	-	-	-	-	-	-	55.3	55.3	83.0	83.0	100.0	100.9	73.9	73.9	100.0
2/0	10/0	63.3	63.3	92.2	92.2	100.0	138.3	100.0	140.4	100.0	123.2	100.0	140.4	92.2	92.2	100.0	138.3	100.0	181.2	100.0	123.2	100.0	181.2
		51.1	51.1	75.9	75.9	100.0	113.3	100.0	113.3	100.0	101.4	100.0	113.3	75.9	75.9	100.0	113.8	100.0	149.1	100.0	101.4	100.0	149.1
		43.0	43.0	65.1	65.1	95.5	95.5	95.5	95.5	87.0	87.0	95.5	95.5	65.1	65.1	97.6	97.6	100.0	127.9	87.0	87.0	100.0	127.9
		-	-	57.5	57.5	82.9	82.9	82.9	82.9	76.8	76.8	82.9	82.9	57.5	57.5	86.2	86.2	100.0	113.0	76.8	76.8	100.0	113.0
		-	-	-	-	-	-	-	-	-	-	-	-	-	51.9	51.9	77.8	77.8	96.3	96.3	69.3	69.3	96.3

C4, D4 = CLUSTER OF 4 ANCHORS WITH HEAD RECEPTOR
C6, D6 = CLUSTER OF 6 ANCHORS WITH HEAD RECEPTOR
C8 = CLUSTER OF 8 ANCHORS WITH HEAD RECEPTOR
SEE SHEET 4 FOR DETAILS.

LOAD CAPACITIES SHOWN ABOVE ARE FOR DOORS USING 4-1/8" SILL HEIGHT
FOR DOORS USING 3-1/2" SILL HEIGHT LIMIT EXTERIOR(+) LOADS TO 90.0 PSF.

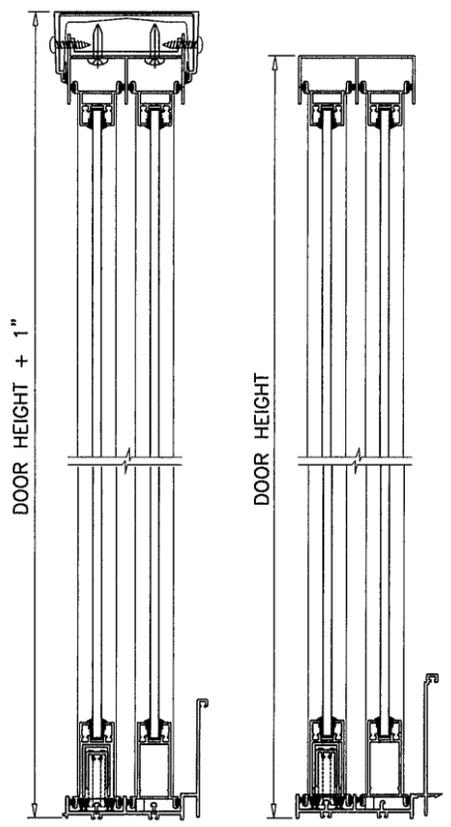


CHART AT RIGHT IS FOR DOOR HEIGHTS WITHOUT HEAD RECEPTOR.
DOORS USING HEAD RECEPTOR MAY BE 1" HIGHER THAN SHOWN (SEE SKETCH)

TYPICAL ANCHORS: SEE ELEV./CHART FOR SPACING

TYPE 'C' 1/4" ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
THRU 1BY WOOD BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

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

TYPICAL EDGE DISTANCE

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

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 12-1205-03
Expiration Date 1/23/14
By *[Signature]*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
[Signature]
MAY 02 2012

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 12-0507-05
Expiration Date 1/23/2013
By *[Signature]*
Miami Dade Product Control

MAY 02 2012

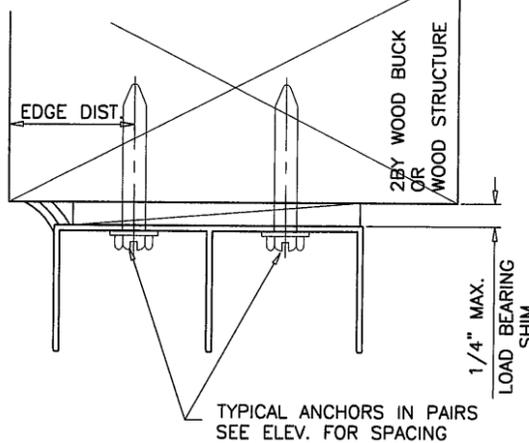
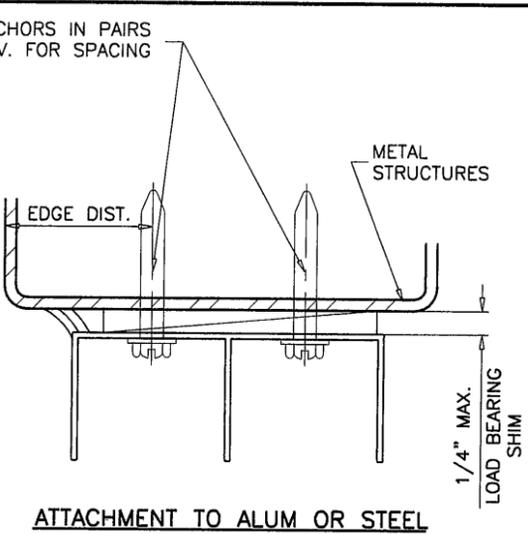
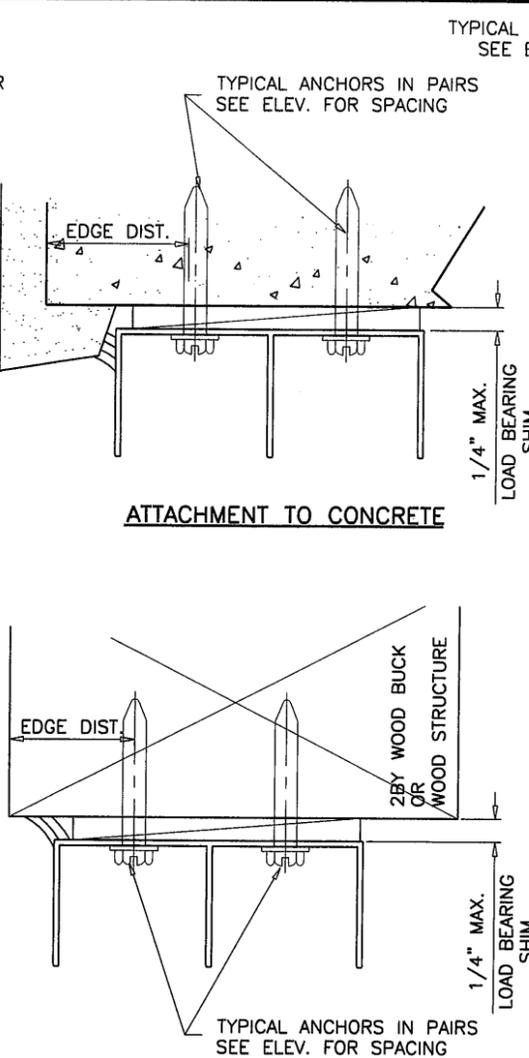
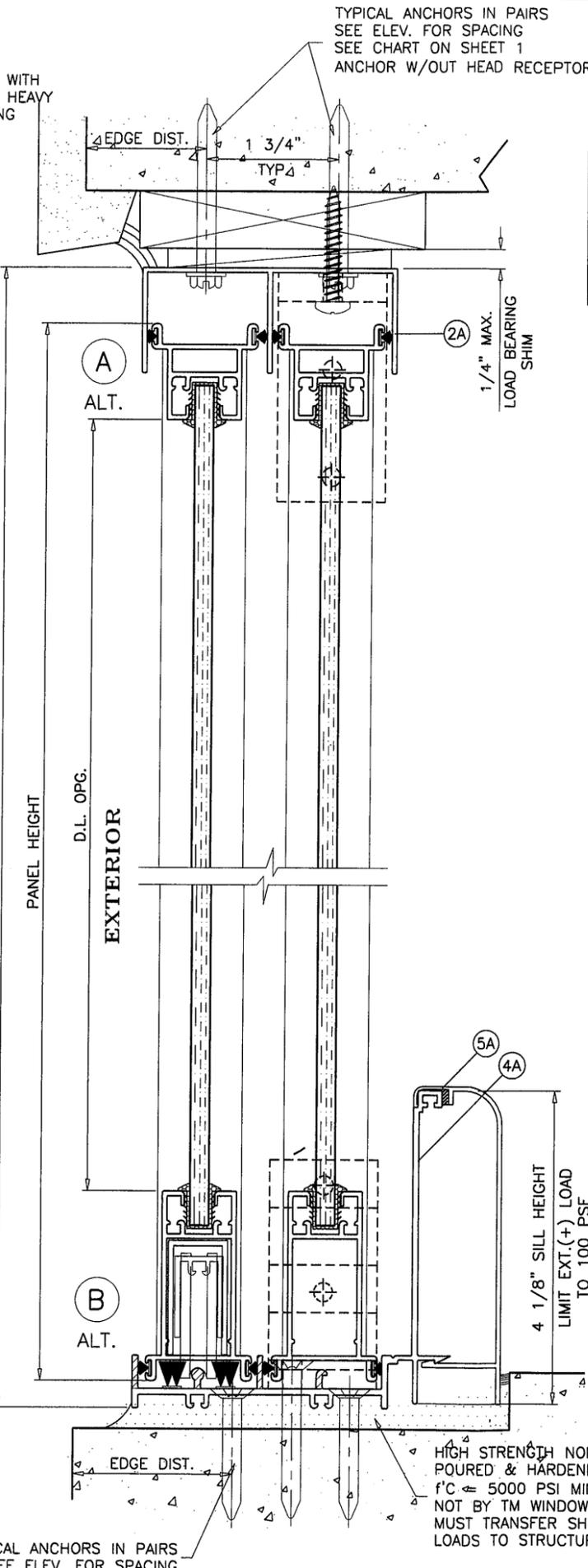
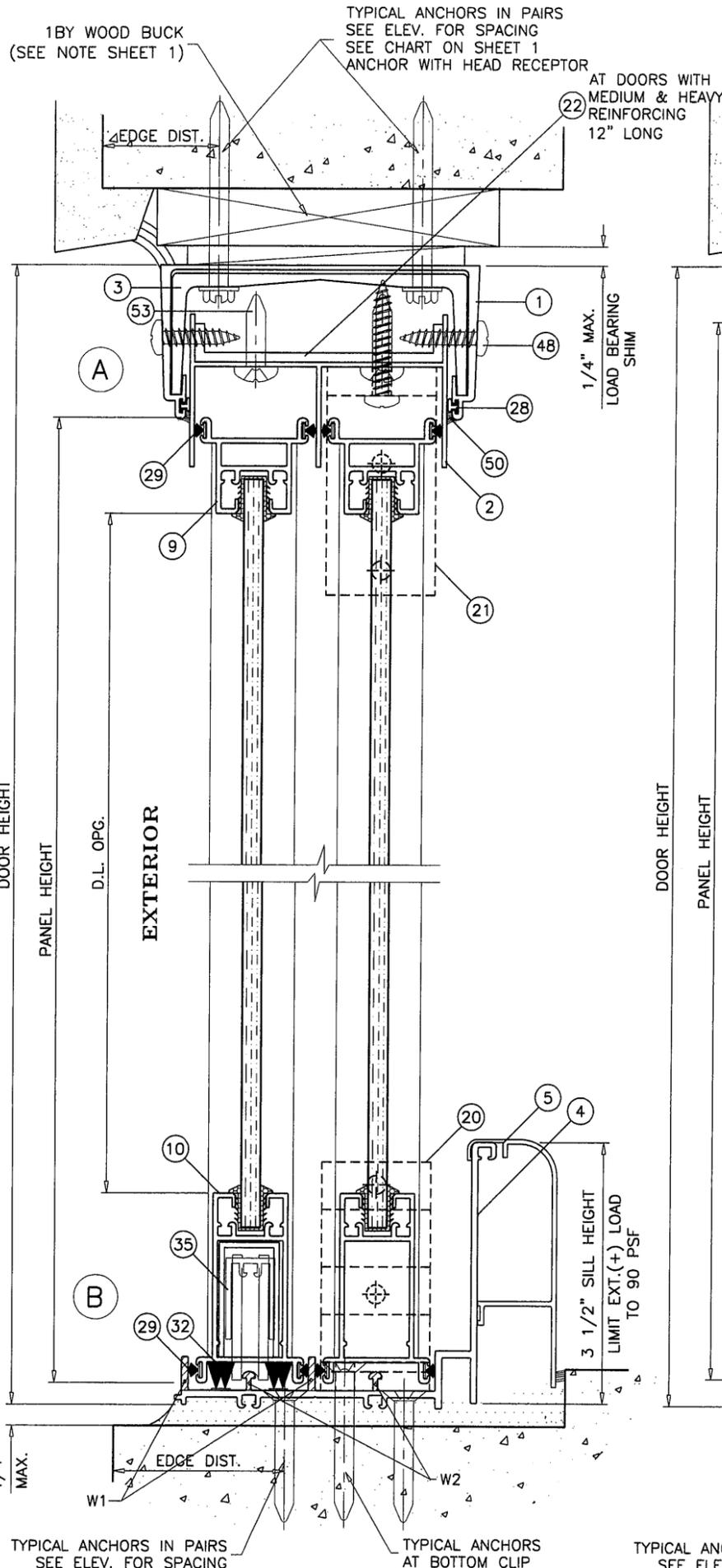
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W02-115TMW

SERIES-350 ALUM. SLIDING GLASS DOOR (N.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
A	07.14.06	UPDATED FOR 2004 FBC
B	03.16.07	REV. PER BCCO COMMENTS
C	03.12.12	UPDATED TO 2010 FBC

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

drawing no. **W02-115**
sheet 3 of 7

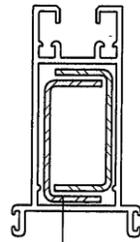


PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No 12-1205-03
 Expiration Date 1/23/14
 By *Shang L. Chang*
 Miami Dade Product Control

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

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



23 AT DOORS WITH MEDIUM & HEAVY REINFORCING

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

MOV. PANEL BOTTOM RAIL

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

PRODUCT REVISED
 as complying with the Florida Building Code
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 By *Javad Ahmad*
 Miami Dade Product Control

MAY 02 2012

af c

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W02-115TMW

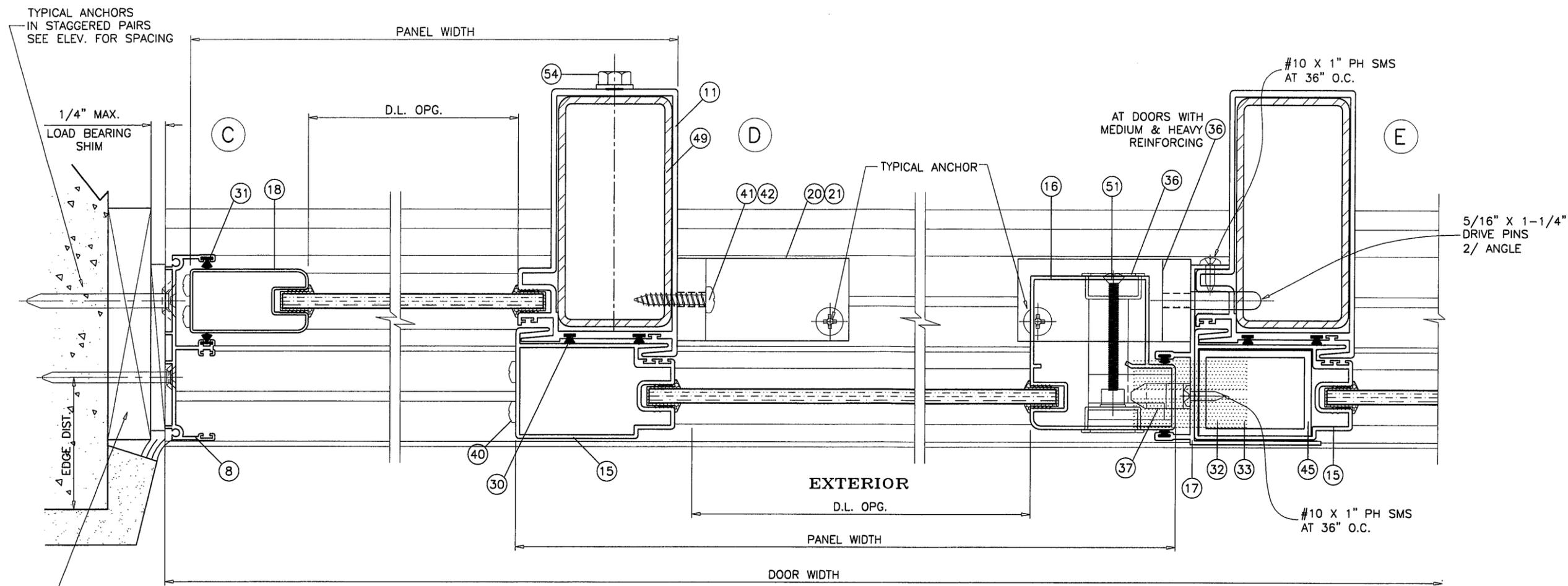
SERIES-350 ALUM. SLIDING GLASS DOOR (N.I.)

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

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C	03.12.12		UPDATED TO 2010 FBC

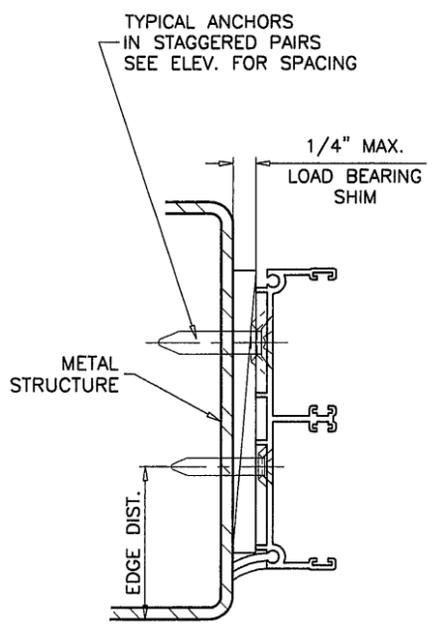
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 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no. **W02-115**
 sheet 4 of 7

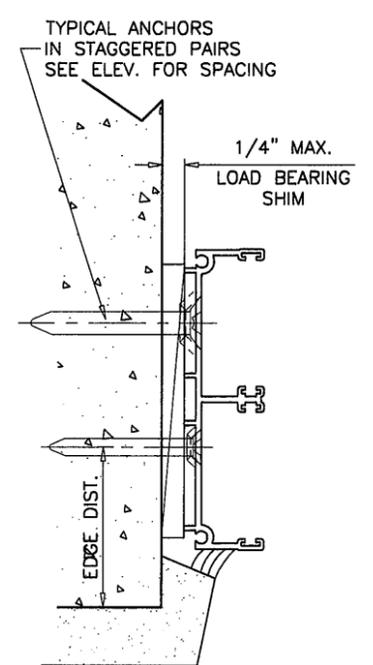


SEE SHEET 2 FOR REINFORCING SCHEDULE

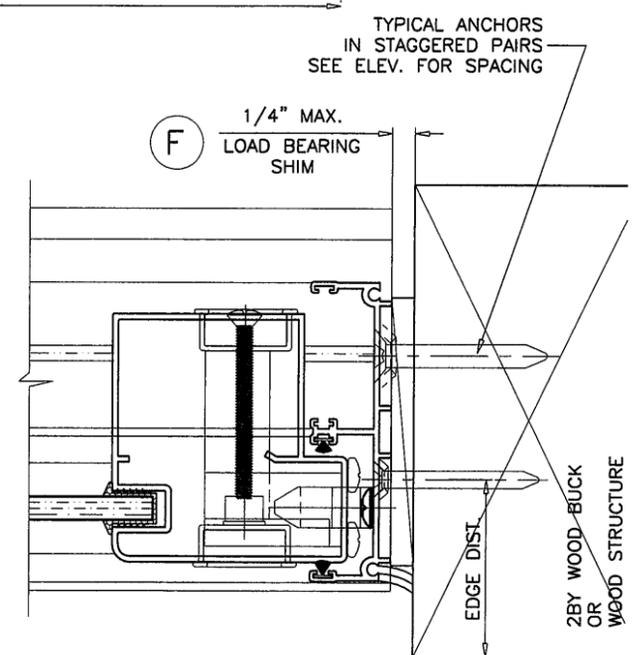
1BY WOOD BUCKS
SEE NOTE SHEET 1



ATTACHMENT TO METAL STRUCTURES
STEEL OR ALUMINUM



ATTACHMENT TO CONCRETE
OR CONC. BLOCK



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Expiration Date 1/23/2014
By [Signature]
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
[Signature]
MAY 02 2012

PRODUCT REVISED
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By [Signature]
Miami Dade Product Control

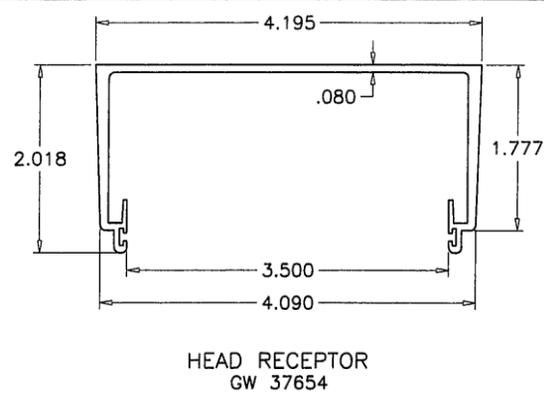
af c
AL-FAROOQ CORPORATION
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MIAMI, FLORIDA 33174
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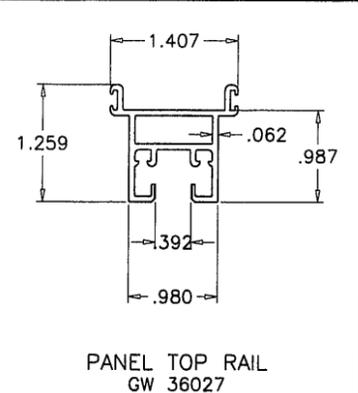
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date:	12-02-02
scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

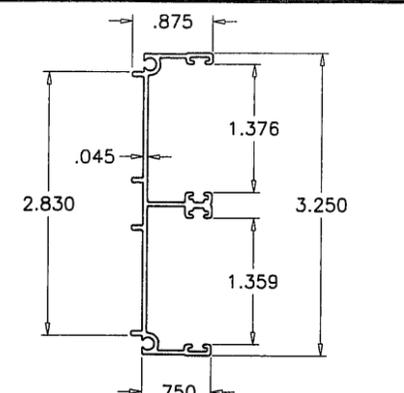
drawing no.
W02-115
sheet 5 of 7



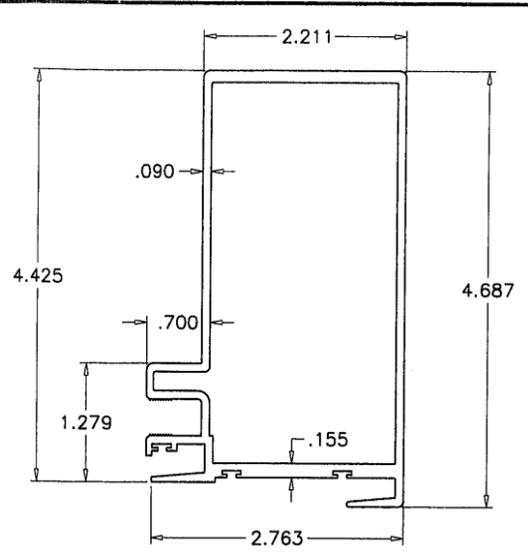
HEAD RECEPTOR
GW 37654



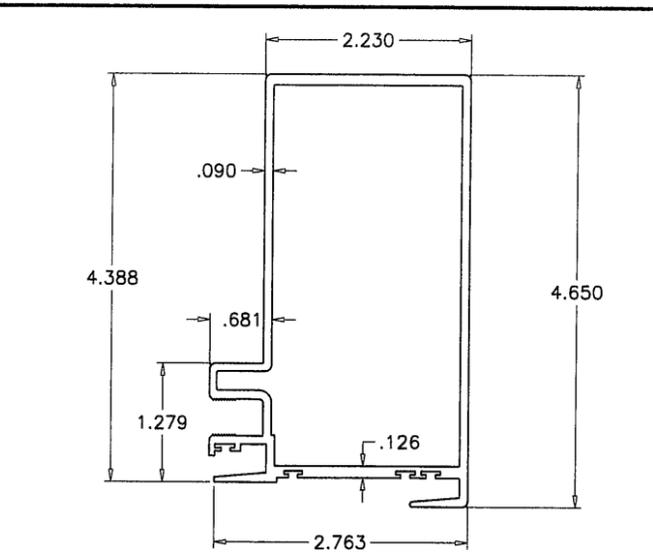
PANEL TOP RAIL
GW 36027



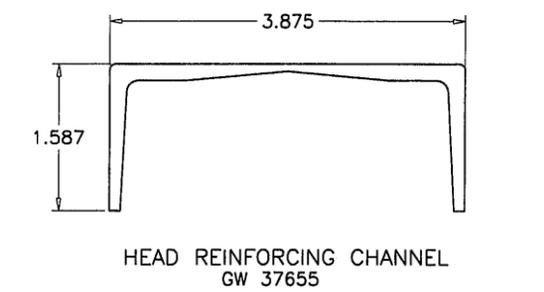
DOOR FRAME JAMB
GW 34977



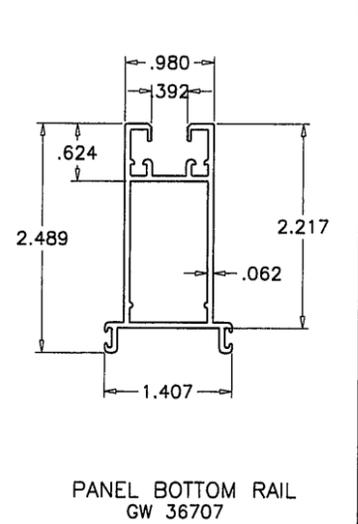
2"x4" MAJOR INTERLOCK
GW 37560A (OPTIONAL)



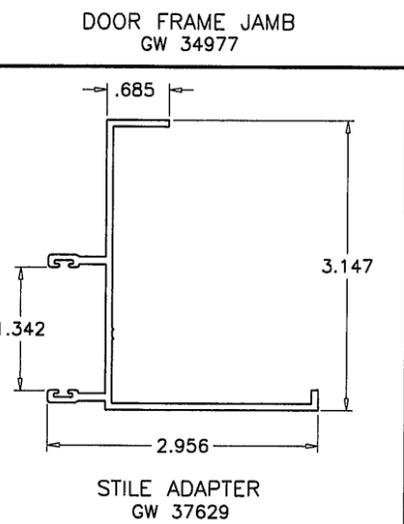
2"x4" MAJOR INTERLOCK
GW 37560



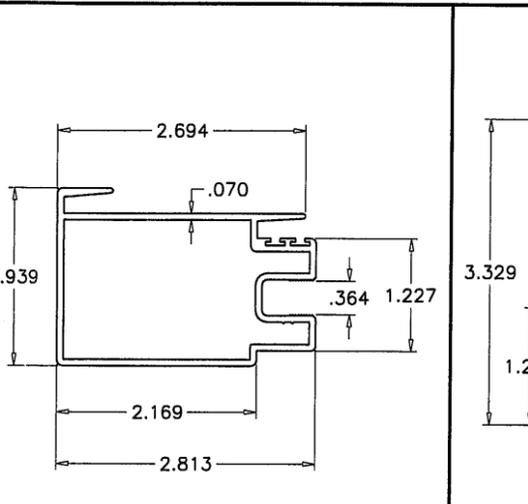
HEAD REINFORCING CHANNEL
GW 37655



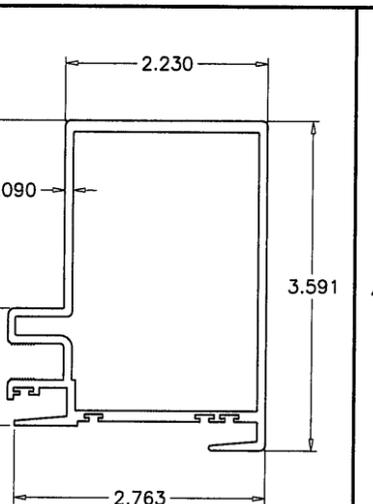
PANEL BOTTOM RAIL
GW 36707



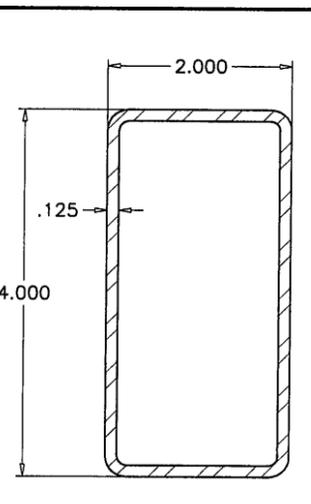
STILE ADAPTER
GW 37629



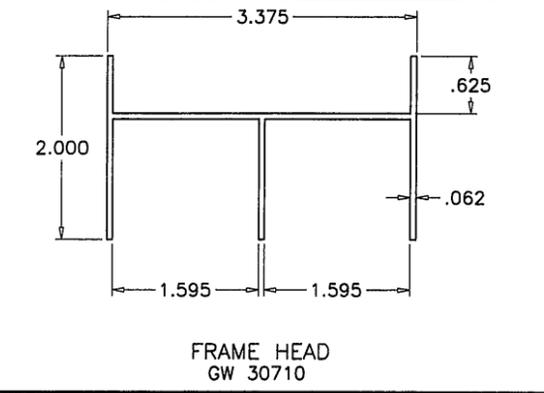
MINOR INTERLOCK
GW 37558



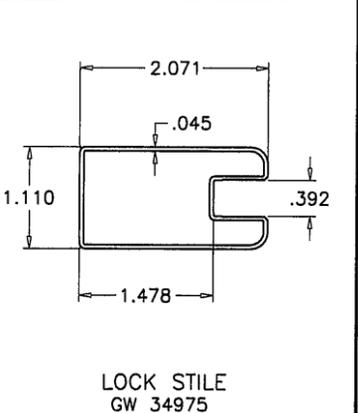
2"x3" MAJOR INTERLOCK
GW 37751



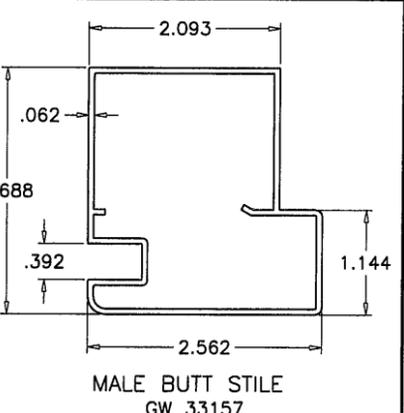
INTERLOCK/ASTRAGAL
REINFORCING



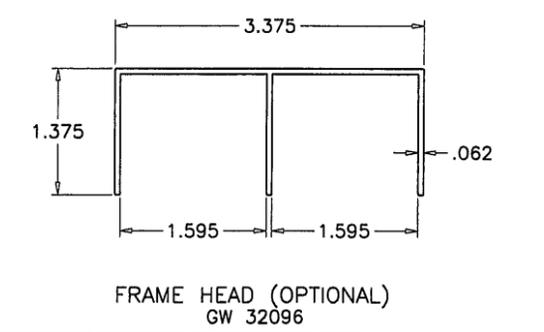
FRAME HEAD
GW 30710



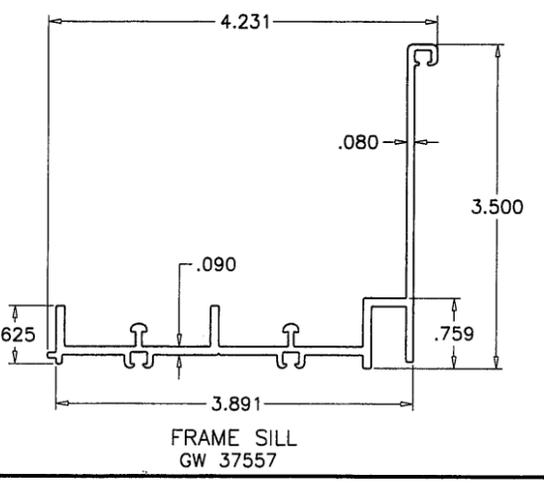
LOCK STILE
GW 34975



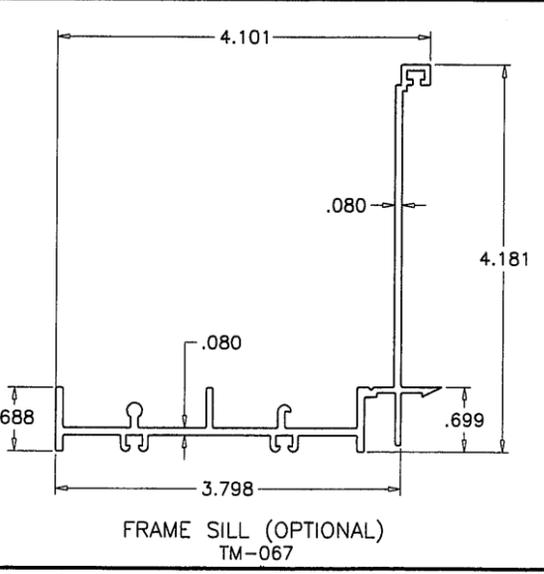
MALE BUTT STILE
GW 33157



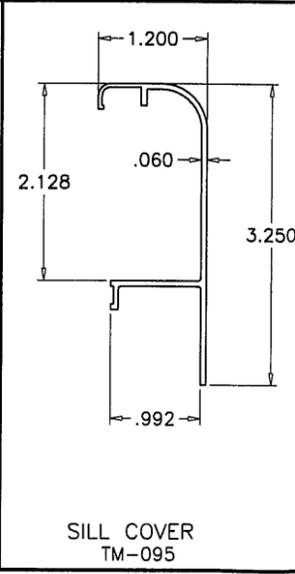
FRAME HEAD (OPTIONAL)
GW 32096



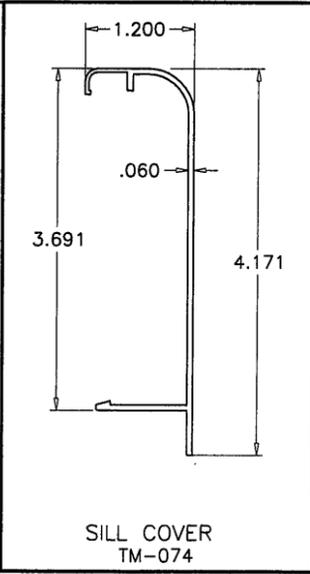
FRAME SILL
GW 37557



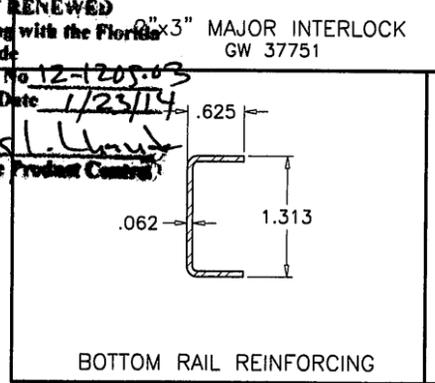
FRAME SILL (OPTIONAL)
TM-067



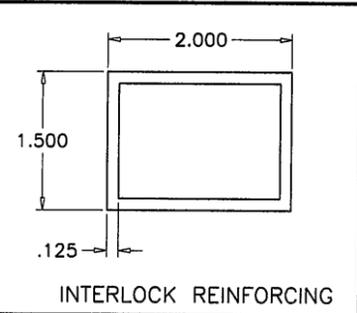
SILL COVER
TM-095



SILL COVER
TM-074



BOTTOM RAIL REINFORCING



INTERLOCK REINFORCING

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 12-1205.03
Expiration Date 1/23/14
By Ishyq L. Hamid
Miami Dade Product Control

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

MAY 02 2012

PRODUCT REVISED
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By *[Signature]*
Miami Dade Product Control

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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TEL. (305) 264-8100 FAX. (305) 262-6978
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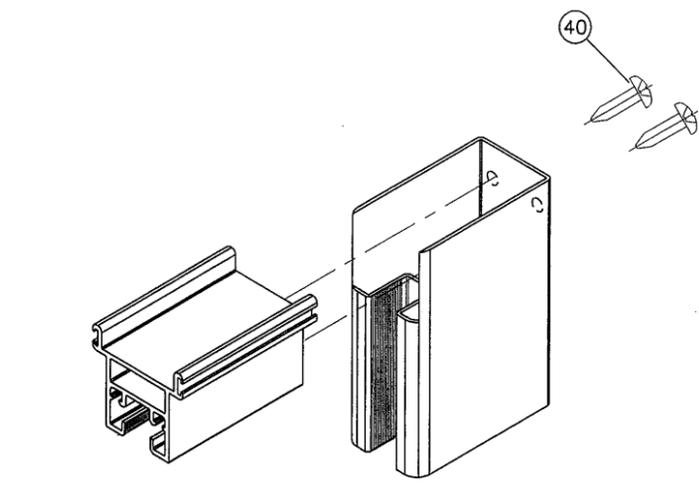
SERIES-350 ALUM. SLIDING GLASS DOOR (N.I.)
T.M. WINDOWS LLC.
601 N.W. 12TH AVE.
POMPANO BEACH, FL. 33069
TEL. (954) 781-4430 FAX. (954) 781-5078

no	date	description
A	07.14.06	UPDATED FOR 2004 FBC
B	03.16.07	REV. PER BCCO COMMENTS
C	03.12.12	NO CHANGE THIS SHEET

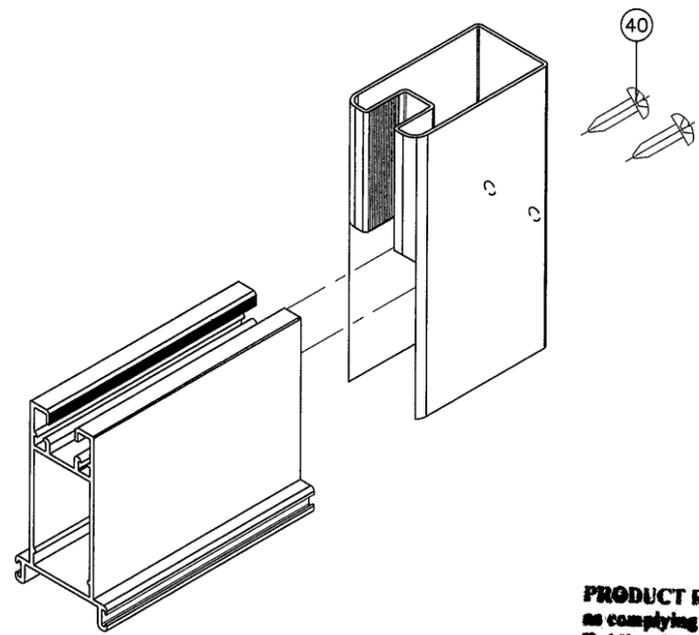
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dr. by: HAMID	chk. by:

drawing no. **W02-115**
sheet 6 of 7

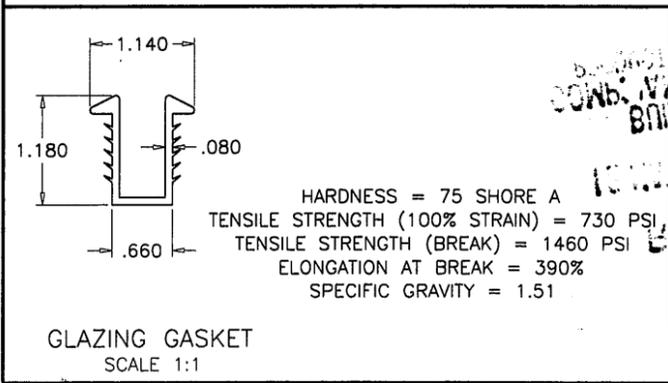
ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GW 37654	1	HEAD RECEPTOR	ALUM-6063 T6	FRAME TOP
2	GW 30710	1	FRAME HEAD	ALUM-6063 T6	FRAME TOP
2A	GW 32096	1	FRAME HEAD (OPTIONAL)	ALUM-6063 T6	FRAME TOP
3	GW 37655	6	HEAD RECEPTOR REINFORCEMENT (6" LONG)	ALUM-6063 T6	AT HEAD ENDS & CENTER LINE OF PANELS
3A	GW 37655	3	HEAD RECEPTOR REINFORCEMENT (12" 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 36027	4	TOP RAIL	ALUM-6063 T6	PANEL TOP
10	GW 36707	4	BOTTOM RAIL	ALUM-6063 T6	PANEL BOTTOM
11	GW 37560	2	2"x4" MAJOR INTERLOCK	ALUM-6063 T6	PANEL SIDES
12	GW 37751	2	2"x3" MAJOR INTERLOCK	ALUM-6063 T5	PANEL SIDES
15	GW 37558	2	MINOR INTERLOCK	ALUM-6063 T5	PANEL SIDES
16	GW 33157	1	MALE BUTT STILE	ALUM-6063 T6	PANEL ASTRAGAL
17	GW 37629	1	STILE ADAPTER	ALUM-6063 T5	PANEL ASTRAGAL
18	GW 34975	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	-	2/MOV. PANEL	5/8" X 1-5/16" X 1/16" THK. CHANNEL, LENGTH = PANEL WIDTH - 8"	STEEL	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, SEE SHEET 2 FOR LENGTHS	ALUMINUM	-
48	-	6	#14 x 1" PH. SMS.	STEEL	AT 50" O.C.
49	-	AS REQD.	2x4x1/8" THK. REINFORCING TUBE, FULL LENGTH	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	-	1/INTERLOCK	3/8"x6" LG. HH. MS. SECURITY PIN	STEEL	AT INTERLOCK (INTERIOR)
55	WV-1051	AS REQD.	GLAZING GASKET	VINYL	AMERICAN VINYL CO.



PANEL TOP CORNER



PANEL BOTTOM CORNER



RECEIVED
MAY 1 11 513
BUILDING CODE

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0507-05
Expiration Date 1/23/2013

By: *[Signature]*
Miami Dade Product Control

MAY 02 2012

afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
12335 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W02-115TMW

SERIES-350 ALUM. SLIDING GLASS DOOR (N.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
A	07.14.06	UPDATED FOR 2004 FBC
B	03.16.07	REV. PER BCCO COMMENTS
C	03.12.12	UPDATED TO 2010 FBC

date: 12-02-02
scale: 1/2" = 1"
dr. by: HAMID
chk. by:
drawing no. **W02-115**
sheet 7 of 7