MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI–DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175–2474
T (786) 315–2590 F (786) 315–2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Tecnoglass, LLC
5220 NW 72nd Avenue, Bay No. 4
Miami, FL 33166

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 "HP–3070" Aluminum Window Wall System – S.M.I.

APPROVAL DOCUMENT: Drawing No. **W04–26**, titled "Series HP3070 Alum. Window Wall System (S.M.I.)", sheets 01 through 12 of 12, dated 03/23/04, prepared by AL–Farooq Corporation, with latest revised "I" dated 08/01/14, 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: Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Barranquilla, Colombia S.A.**, 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 **revises and renews NOA No. 12–0330.11** and consists of this page 1, 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.**

MIAMI-DADE COUNTY APPROVED

J. Gascon 8/28/14

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under previous NOA's No.'s 09–0812.16, 07–1019.02 and 04–0512.02)
2. Drawing No. **W04–26**, titled "Series HP3070 Alum. Window Wall System (S.M.I.)", sheets 01 through 12 of 12, dated 03/23/04, prepared by AL–Farooq Corporation, with latest revised "**I**" dated 08/01/14, signed and sealed by Javad Ahmad, P. E.

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) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   6) Forced Entry Test, Type "D–A" fixed window, Grade 10, Level LV 1 per ASTM F 588 and per FBC 2411 3.2.1, TAS 202–94
   7) Impact Test per FBC, ANSI Z97.1 Standard for Safety Glazing Materials Used in Buildings / CPSC 16 CFR 1201 Safety Standard for Architectural Glazing Materials

   along with marked–up drawings and installation diagram of an aluminum window wall, prepared by the Fenestration Testing Laboratory, Inc., Test Reports No.'s:
   I. **FTL–5739**, dated 01/20/09, **FTL–5189**, dated 05/04/07, **FTL–5319**, dated 07/05/07 and **FTL–5320**, dated 07/05/07, all signed and sealed by Carlos S. Rionda, P. E.
   (Submitted under previous NOA No. 09–0812.16 and 07–1019.02)
   II. **FTL–5108**, dated 02/02/07, signed and sealed by Michael R. Wenzel, P. E.
   (Submitted under previous NOA No. 07–1019.02)
   III. **FTL–4981**, dated 10/31/06, **FTL–4992**, dated 06/20/06, **FTL–3928,** dated 10/08/03 and **FTL–3970** dated 11/10/03, all signed and sealed by Edmundo J. Largaespada, P. E.
   (Submitted under previous NOA No. 07–1019.02 and 04–0512.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by AL–Farooq Corporation, dated 02/09/09, signed and sealed by Dr. Humayoun Farooq, P. E.
   (Submitted under previous NOA No. 09–0812.16)
2. **Glazing complies with ASTM E 1300–04**

D. QUALITY ASSURANCE

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

Jaime D. Gascón, P. E.
Product Control Section Supervisor
NOA No. 14–0807.12
Expiration Date: July 01, 2019
Approval Date: September 04, 2014

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11–0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **13–0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their **"DuPont Butacite® PVB Interlayer"** dated 04/11/13, expiring on 12/11/16.

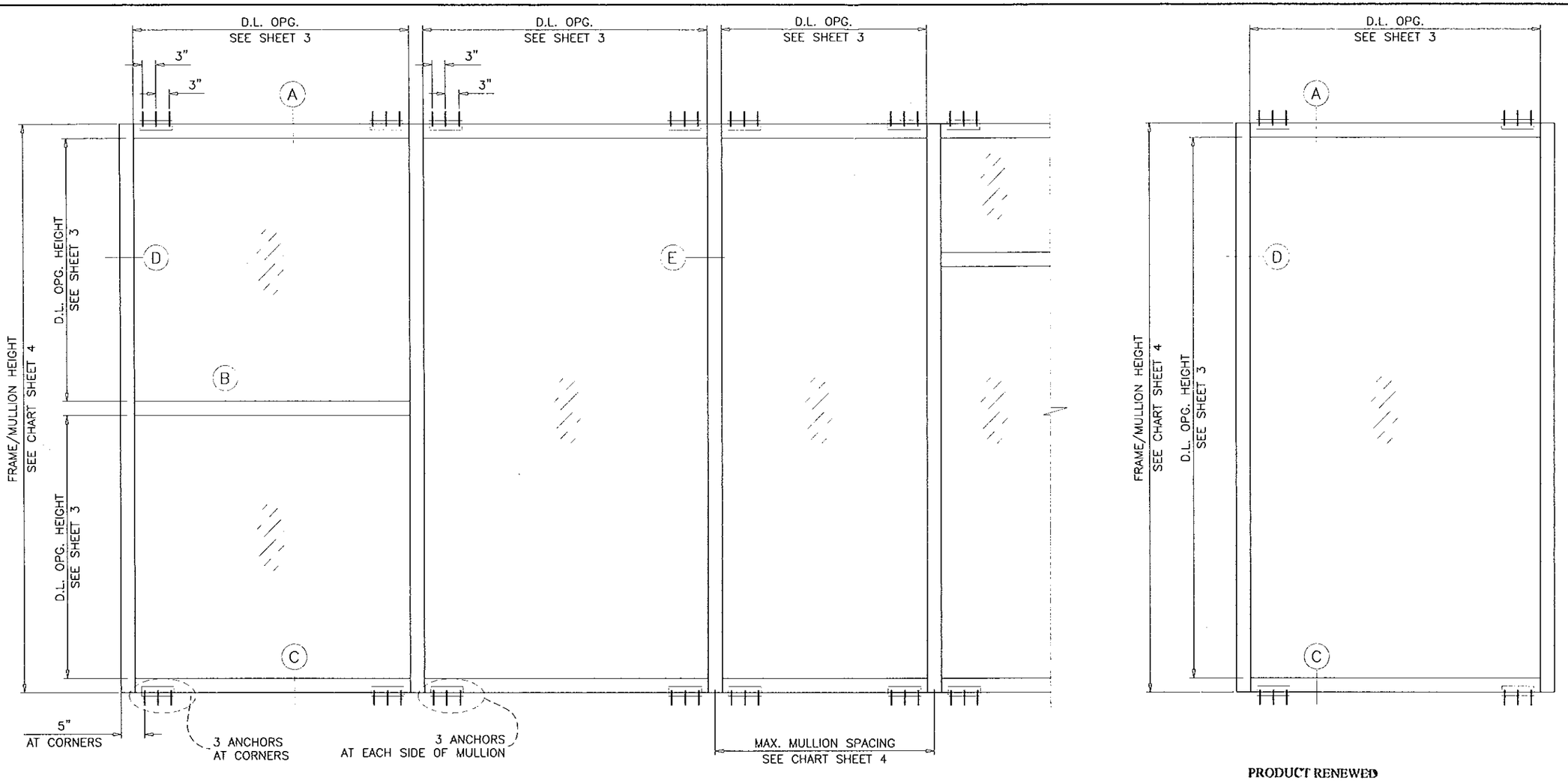
F. STATEMENTS

1. Statement letter of no financial interest, conformance to and compliance with the **FBC–2010**, dated 08/05/14, signed and sealed by Javad Ahmad, P. E.
2. Asset purchase agreement dated 06/19/14, signed by Mr. Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc. and Mr. José M. Daes, for and on behalf of Tecnoglass, LLC.
3. Statement letter dated 07/15/14, issued by R.C. Aluminum Industries, Inc. of sales of asset and relinquishing of all rights of NOA No. **12–0330.11**, signed by Raul Casares, for and on behalf of R.C. Aluminum Industries, Inc.
4. Department of State Certification of **TECNOGLASS, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/03/14 and signed by Ken Detzner, Secretary of State.
5. Statement letter of no financial interest, conformance to and compliance with the **FBC–2007** and **FBC–2010**, dated 03/06/12, signed and sealed by Javad Ahmad, P. E. ***(Submitted under NOA No. 12–0330.11)***
6. Laboratory compliance letters prepared by Fenestration Testing Laboratory, Inc., for the following Test Reports No.'s:
   I. **FTL–5739**, dated 01/20/09, **FTL–5189**, dated 05/04/07, **FTL–5319**, dated 07/05/07 and **FTL–5320**, dated 07/05/07, all signed and sealed by Carlos S. Rionda, P. E.
   (Submitted under previous NOA's No.'s 09–0812.16 and 07–1019.02)
   II. **FTL–5108**, dated 02/02/07, signed and sealed by Michael R. Wenzel, P. E.
   (Submitted under previous NOA No. 07–1019.02)
   III. **FTL–4981**, dated 10/31/06, **FTL–4992**, dated 06/20/06, **FTL–3928**, dated 10/08/03 and **FTL–3970**, dated 11/10/03, all signed and sealed by Edmundo J. Largaespada, P. E. ***(Submitted under previous NOA's No.'s 07–1019.02 and 04–0512.02)***
7. Proposal issued by Product Control, dated 10/28/08, signed by Jaime D. Gascon, P. E. ***(Submitted under NOA No. 09–0812.16)***

G. OTHERS

1. Notice of Acceptance No. **12–0330.11**, issued to R. C. Aluminum Industries, Inc., for their Series "**HP–3070 Aluminum Window Wall System – S.M.I.**", approved on 06/21/12 and expiring on 07/01/14.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14–0807.12
Expiration Date: July 01, 2019
Approval Date: September 04, 2014



TYPICAL ELEVATIONS

HP3070 ALUM. WINDOW WALL SYSTEM (S.M.I.)

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH MIAMI-DADE COUNTY APPR'D SMALL MISSILE IMPACT RESISTANT DOORS. FOR CONNECTION DETAILS TO MULLION SEE SEPARATE DOOR NOA.

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

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.

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.

THIS SYSTEM IS 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.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1 DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

STEP 2 SEE CHARTS ON SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.

STEP 3 CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 4. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.

STEP 4 THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 14-0807.12
Expiration Date 07/01/2019
By
Miami Dade Product Control

WINDOW WALL SYSTEM WITH GLASS TYPES 'A', 'D' & 'F' COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

LAMINATED GLASS
SMALL MISSILE IMPACT

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

AUG 27 2014

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
STORE\W04-26RC

HP3070 ALUM. WINDOW WALL SYSTEM (S.M.I.)

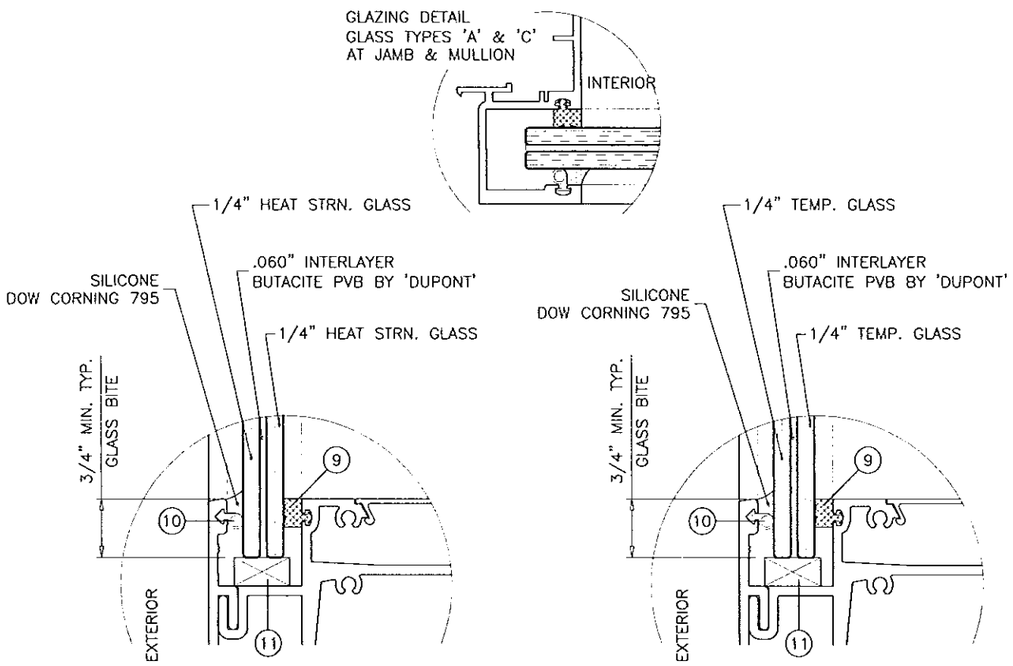
TECNOGLASS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

revisions:			
no	date	by	description
E	01.16.08		REV. PER BCCO COMMENTS
F	10.08.08		UPDATED FOR 2007 FBC
G	07.09.09		NO CHANGE THIS SHEET
H	03.08.12		UPDATED TO 2010 FBC
I	08.01.14		MANUF. NAME REV.

date: 03-23-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W04-26

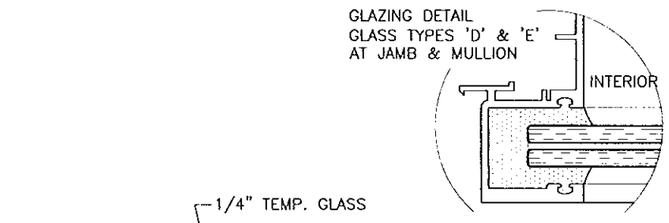
sheet 1 of 12



GLASS TYPE 'A'
9/16" OVERALL LAM. GLASS

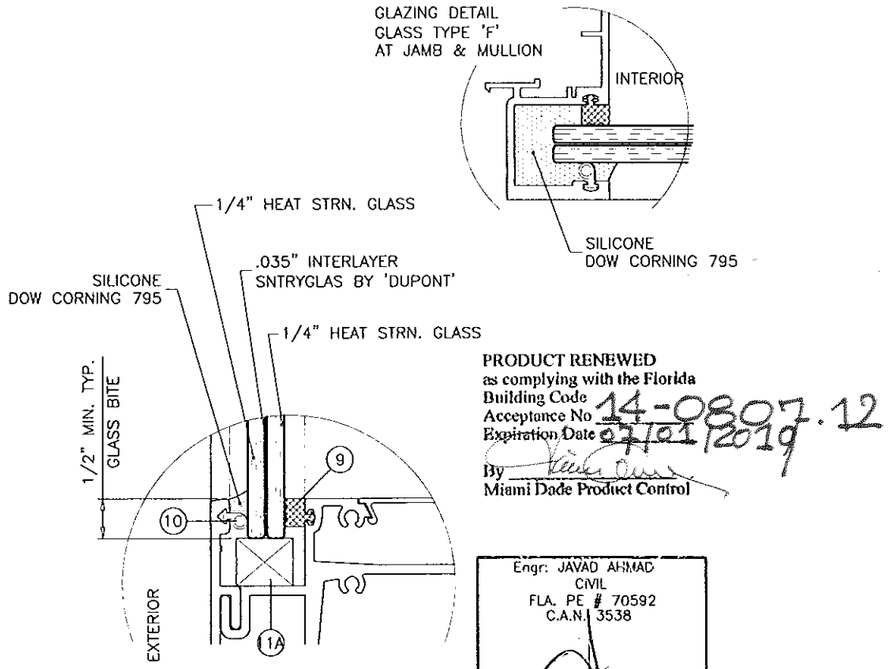
GLASS TYPE 'C'
9/16" OVERALL LAM. GLASS

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	HP3060-051	AS REQD.	FRAME HEAD/SILL	6005-T5	-
2	FX345-006	AS REQD.	GLAZING RETAINER (HEAD/SILL)	6063-T6	-
3	FX345-005	AS REQD.	GLAZING RETAINER (HORIZONTAL)	6063-T6	-
4	HP3060-044	AS REQD.	FRAME JAMB	6063-T6	-
4A	HP3060-066	AS REQD.	CLOSED FRAME JAMB	6005-T6	-
5	HP3060-041	AS REQD.	HORIZONTAL	6063-T6	-
6	HP3060-042	AS REQD.	FEMALE MULLION	6063-T6	-
7	HP3060-043	AS REQD.	MALE MULLION	6063-T6	-
8	HP3060-011	AS REQD.	SNAP-IN COVER HEAD/SILL	6063-T6	-
9	V-003	AS REQD.	GLAZING GASKET	TPE	MELTPOINT, DUROMETER 75±5 SHORE A
10	V-009	AS REQD.	BULB WEATHERSTRIPPING	TPE	MELTPOINT, DUROMETER 75± SHORE A
11	-	2/ LITE	SETTING BLOCKS (3/4" X 3/8" X 4")	EPDM	LOWE, DUROMETER 80±5 SHORE A
11A	-	2/ LITE	SETTING BLOCKS (3/4" X 5/8" X 4")	EPDM	LOWE, DUROMETER 80±5 SHORE A
12	-	-	SEALANT DOW CORNING 795	SILICONE	-
13	-	-	-	-	-
14	-	AS REQD.	REINFORCING BAR (1/2" X 5")	STEEL	SILICONED IN PLACE
15	-	AS REQD.	FRAME ASSEMBLY SCREWS	-	#12 X 1-1/4" PH SMS ST/ST
16	-	AS REQD.	LEVELING SCREWS	-	1/4-20 X 3/4" HH MS ST/ST
17	-	AS REQD.	ANCHOR TUBE (2 X 3 X 1/8")	6063-T6	7" LONG
18	-	AS REQD.	FILLER TUBE	ALUMINUM	-
19	-	AS REQD.	ALUM PLATE (3 X 7 X 3/8")	ALUMINUM	-
20	-	3/ PLATE	ALUM PLATE FASTENERS	-	#14 X 1" FH SELF DRILLING SCREWS
21	HP3060-065	AS REQD.	GLAZING POCKET COVER	6063-T6	-



GLASS TYPE 'D'
9/16" OVERALL LAM. GLASS

GLASS TYPE 'E'
5/8" OVERALL LAM. GLASS



GLASS TYPE 'F'
9/16" OVERALL LAM. GLASS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 14-0807.12
Expiration Date 07 01 2019
By
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N.I 3538
AUG 27 2014

GLAZING OPTIONS

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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STORE\W04-26RC

HP3070 ALUM. WINDOW WALL SYSTEM (S.M.I.)

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MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

revisions:			
no	date	by	description
E	01.16.08		REV. PER BCCO COMMENTS
F	10.08.08		GLASS TYPE F ADDED
G	07.09.09		NO CHANGE THIS SHEET
H	03.08.12		UPDATED TO 2010 FBC
I	08.01.14		MANUF. NAME REV.

date: 03-23-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-26

sheet 2 of 12

GLASS DESIGN LOAD CAPACITY – PSF

NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'C'	GLASS TYPE 'D'	GLASS TYPE 'E'	GLASS TYPE 'F'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
24"	60"	160.0	170.0	170.0	180.0	160.0
27"		160.0	170.0	170.0	180.0	160.0
30"		160.0	170.0	170.0	180.0	160.0
33"		160.0	170.0	170.0	180.0	160.0
36"		160.0	170.0	170.0	180.0	160.0
39"		160.0	170.0	170.0	180.0	160.0
42"		160.0	170.0	170.0	180.0	160.0
45"		160.0	170.0	170.0	180.0	160.0
48"		160.0	170.0	170.0	180.0	160.0
51"		160.0	170.0	170.0	180.0	160.0
54"		160.0	170.0	170.0	180.0	160.0
57"		160.0	170.0	170.0	180.0	160.0
60"		160.0	170.0	170.0	180.0	160.0
63"		150.0	170.0	170.0	180.0	160.0
66"		150.0	–	170.0	180.0	160.0
69"		150.0	–	170.0	180.0	150.0
72"		150.0	–	170.0	180.0	150.0
24"	66"	160.0	170.0	170.0	180.0	160.0
27"		160.0	170.0	170.0	180.0	160.0
30"		160.0	170.0	170.0	180.0	160.0
33"		160.0	170.0	170.0	180.0	160.0
36"		160.0	170.0	170.0	180.0	160.0
39"		160.0	170.0	170.0	180.0	160.0
42"		160.0	170.0	170.0	180.0	160.0
45"		160.0	170.0	170.0	180.0	160.0
48"		160.0	170.0	170.0	180.0	160.0
51"		160.0	170.0	170.0	180.0	160.0
54"		160.0	170.0	170.0	180.0	160.0
57"		150.0	170.0	170.0	180.0	160.0
60"		150.0	–	170.0	180.0	160.0
63"		150.0	–	170.0	180.0	150.0
66"		150.0	–	170.0	180.0	150.0
69"		150.0	–	170.0	–	150.0
72"		147.0	–	–	–	150.0
24"	72"	160.0	170.0	170.0	180.0	160.0
27"		160.0	170.0	170.0	180.0	160.0
30"		160.0	170.0	170.0	180.0	160.0
33"		160.0	170.0	170.0	180.0	160.0
36"		160.0	170.0	170.0	180.0	160.0
39"		160.0	170.0	170.0	180.0	160.0
42"		160.0	170.0	170.0	180.0	160.0
45"		160.0	170.0	170.0	180.0	160.0
48"		160.0	170.0	170.0	180.0	160.0
51"		150.0	170.0	170.0	180.0	160.0
54"		150.0	170.0	170.0	180.0	160.0
57"		150.0	–	170.0	180.0	160.0
60"		150.0	–	170.0	180.0	150.0
63"		150.0	–	170.0	176.4	150.0
66"		147.0	–	–	–	150.0
69"		143.0	–	–	–	150.0

GLASS DESIGN LOAD CAPACITY – PSF

NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'C'	GLASS TYPE 'D'	GLASS TYPE 'E'	GLASS TYPE 'F'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
24"	78"	160.0	170.0	170.0	180.0	160.0
27"		160.0	170.0	170.0	180.0	160.0
30"		160.0	170.0	170.0	180.0	160.0
33"		160.0	170.0	170.0	180.0	160.0
36"		160.0	170.0	170.0	180.0	160.0
39"		160.0	170.0	170.0	180.0	160.0
42"		160.0	170.0	170.0	180.0	160.0
45"		160.0	170.0	170.0	180.0	160.0
48"		150.0	170.0	170.0	180.0	160.0
51"		150.0	–	170.0	180.0	160.0
54"		150.0	–	170.0	180.0	150.0
57"		150.0	–	170.0	176.7	150.0
60"		145.0	–	–	–	150.0
63"		141.0	–	–	–	150.0
24"	84"	160.0	170.0	170.0	180.0	160.0
27"		160.0	170.0	170.0	180.0	160.0
30"		160.0	170.0	170.0	180.0	160.0
33"		160.0	170.0	170.0	180.0	160.0
36"		160.0	170.0	170.0	180.0	160.0
39"		160.0	170.0	170.0	180.0	160.0
42"		160.0	170.0	170.0	180.0	160.0
45"		160.0	170.0	170.0	180.0	160.0
48"		150.0	–	170.0	180.0	160.0
51"		150.0	–	170.0	180.0	150.0
54"		147.0	–	170.0	173.7	150.0
57"		141.0	–	–	–	150.0
24"	90"	160.0	170.0	170.0	180.0	160.0
27"		160.0	170.0	170.0	180.0	160.0
30"		160.0	170.0	170.0	180.0	160.0
33"		160.0	170.0	170.0	180.0	160.0
36"		160.0	170.0	170.0	180.0	160.0
39"		160.0	170.0	170.0	180.0	160.0
42"		150.0	170.0	170.0	180.0	160.0
45"		150.0	–	170.0	180.0	160.0
48"		150.0	–	170.0	180.0	150.0
51"		143.0	–	170.0	–	150.0
54"		137.0	–	–	–	146.4
24"	96"	160.0	170.0	170.0	180.0	160.0
27"		160.0	170.0	170.0	180.0	160.0
30"		160.0	170.0	170.0	180.0	160.0
33"		160.0	170.0	170.0	180.0	160.0
36"		160.0	170.0	170.0	180.0	160.0
39"		150.0	170.0	170.0	180.0	160.0
42"		150.0	–	170.0	180.0	160.0
45"		150.0	–	170.0	180.0	150.0
48"		142.0	–	–	–	150.0
51"		135.0	–	–	–	142.8

GLASS DESIGN LOAD CAPACITY – PSF

NOMINAL DIMS		GLASS TYPE 'A'	GLASS TYPE 'C'	GLASS TYPE 'D'	GLASS TYPE 'E'	GLASS TYPE 'F'
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
24"	102"	160.0	170.0	170.0	180.0	160.0
27"		160.0	170.0	170.0	180.0	160.0
30"		160.0	170.0	170.0	180.0	160.0
33"		160.0	170.0	170.0	180.0	160.0
36"		150.0	170.0	170.0	180.0	160.0
39"		150.0	–	170.0	180.0	160.0
42"		150.0	–	170.0	180.0	150.0
45"		143.0	–	170.0	–	150.0
48"		134.0	–	–	–	141.8
24"	108"	160.0	170.0	170.0	180.0	160.0
27"		160.0	170.0	170.0	180.0	160.0
30"		160.0	170.0	170.0	180.0	160.0
33"		160.0	170.0	170.0	180.0	160.0
36"		150.0	170.0	170.0	180.0	160.0
39"		150.0	–	170.0	180.0	150.0
42"		147.0	–	170.0	180.0	150.0
45"		136.0	–	–	–	143.6
24"	114"	160.0	–	170.0	180.0	160.0
27"		160.0	–	170.0	180.0	160.0
30"		160.0	–	170.0	180.0	160.0
33"		150.0	–	170.0	180.0	160.0
36"		150.0	–	170.0	180.0	160.0
39"		150.0	–	170.0	180.0	150.0
42"		141.0	–	–	–	148.2
24"	120"	160.0	–	170.0	180.0	160.0
27"		160.0	–	170.0	180.0	160.0
30"		160.0	–	170.0	180.0	160.0
33"		150.0	–	170.0	180.0	160.0
36"		150.0	–	170.0	180.0	150.0
39"		150.0	–	–	–	150.0
42"		–	–	–	–	142.9
24"	126"	–	–	170.0	180.0	160.0
27"		–	–	170.0	180.0	160.0
30"		–	–	170.0	180.0	160.0
33"		–	–	170.0	180.0	150.0
36"		–	–	170.0	180.0	150.0
39"		–	–	–	–	150.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300–04 (3 SEC. GUSTS).

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 14-0807.12
Expiration Date 07/01/2019
By
Miami-Dade Product Control

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

AUG 27 2014

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
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STORE\W04-26RC

HP3070 ALUM. WINDOW WALL SYSTEM (S.M.I.)

TECNOGLASS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

revisions:

no.	date	by	description
E	01.16.08		NO CHANGE THIS SHEET
F	10.08.08		GLASS TYPE 'F' ADDED
G	07.09.09		GLASS CHART REV.
H	03.08.12		UPDATED TO 2010 FBC
I	08.01.14		MANUF. NAME REV.

date: 03-23-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

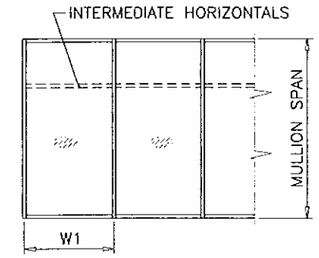
drawing no.
W04-26

MULLION/JAMB DESIGN LOAD CAPACITY - PSF

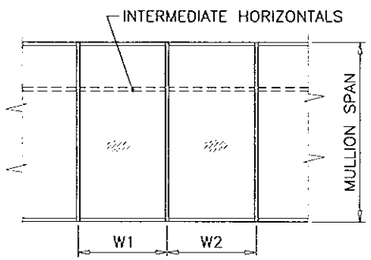
NOMINAL DIMS.		JAMB 'J1' JAMB 'J2'		JAMB 'CJ1' MULLION 'M1'		JAMB 'J3'		JAMB 'CJ2' MULLION 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
36"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
42"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
45"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
48"	66"	150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
54"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
60"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
66"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
72"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	170.0
30"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
36"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
42"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
45"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
48"	72"	150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
54"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
60"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
66"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
72"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	170.0
30"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
36"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
42"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
45"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
48"	78"	150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
54"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
60"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
66"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
72"		150.0	150.0	150.0	150.0	150.0	160.0	150.0	160.0
30"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
36"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
42"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
45"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
48"	84"	150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
54"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
60"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
66"		150.0	150.0	150.0	150.0	150.0	160.0	150.0	160.0
72"		-	-	-	-	100.0	138.0	100.0	138.0
30"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
36"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
42"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
45"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
48"	90"	150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
54"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
60"		150.0	150.0	150.0	150.0	150.0	160.0	150.0	160.0
66"		-	-	-	-	120.0	160.0	120.0	160.0
72"		-	-	-	-	90.0	110.0	90.0	110.0
30"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
36"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
42"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
45"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
48"	96"	150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
54"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
60"		-	-	-	-	120.0	160.0	150.0	160.0
66"		-	-	-	-	90.0	110.0	90.0	110.0
72"		-	-	-	-	90.0	110.0	90.0	110.0

MULLION/JAMB DESIGN LOAD CAPACITY - PSF

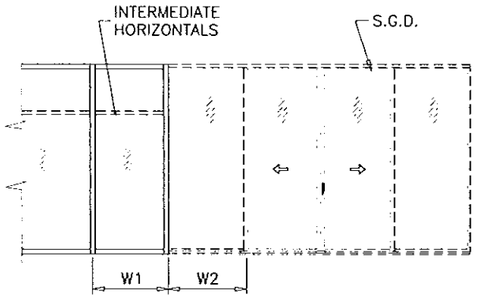
NOMINAL DIMS.		JAMB 'J1' JAMB 'J2'		JAMB 'CJ1' MULLION 'M1'		JAMB 'J3'		JAMB 'CJ2' MULLION 'M2'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
36"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
42"		150.0	160.0	150.0	170.0	150.0	160.0	150.0	180.0
45"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
48"	102"	150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
54"		150.0	150.0	150.0	150.0	150.0	160.0	150.0	160.0
60"		-	-	-	-	90.0	110.0	90.0	110.0
66"		-	-	-	-	90.0	110.0	90.0	110.0
30"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
36"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
42"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
45"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
48"	108"	150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
54"		-	-	-	-	120.0	160.0	120.0	160.0
60"		-	-	-	-	90.0	110.0	90.0	110.0
66"		-	-	-	-	90.0	110.0	90.0	110.0
30"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
36"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
42"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
45"	114"	150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
48"		150.0	150.0	150.0	150.0	150.0	160.0	150.0	160.0
54"		-	-	-	-	90.0	110.0	90.0	110.0
60"		-	-	-	-	90.0	110.0	90.0	110.0
30"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
36"		150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
42"	120"	150.0	160.0	150.0	160.0	150.0	160.0	150.0	180.0
45"		150.0	150.0	150.0	150.0	150.0	160.0	150.0	160.0
48"		-	-	-	-	120.0	160.0	150.0	160.0
54"		-	-	-	-	90.0	110.0	90.0	110.0
30"		-	-	-	-	120.0	160.0	120.0	180.0
36"		-	-	-	-	120.0	160.0	120.0	180.0
42"	126"	-	-	-	-	120.0	160.0	120.0	160.0
45"		-	-	-	-	120.0	160.0	120.0	160.0
48"		-	-	-	-	100.0	138.0	100.0	138.0
54"		-	-	-	-	90.0	110.0	90.0	110.0
30"		-	-	-	-	120.0	160.0	120.0	180.0
36"		-	-	-	-	120.0	160.0	120.0	180.0
42"	132"	-	-	-	-	120.0	160.0	120.0	160.0
45"		-	-	-	-	120.0	160.0	120.0	160.0
48"		-	-	-	-	90.0	110.0	90.0	110.0
54"		-	-	-	-	90.0	110.0	90.0	110.0
30"		-	-	-	-	100.0	138.0	100.0	138.0
36"		-	-	-	-	100.0	138.0	100.0	138.0
42"	138"	-	-	-	-	100.0	138.0	100.0	138.0
45"		-	-	-	-	90.0	110.0	90.0	110.0
48"		-	-	-	-	90.0	110.0	90.0	110.0
30"		-	-	-	-	100.0	138.0	100.0	138.0
36"		-	-	-	-	100.0	138.0	100.0	138.0
42"	144"	-	-	-	-	100.0	138.0	100.0	138.0
45"		-	-	-	-	90.0	110.0	90.0	110.0
48"		-	-	-	-	90.0	110.0	90.0	110.0
30"		-	-	-	-	90.0	110.0	90.0	110.0
36"		-	-	-	-	90.0	110.0	90.0	110.0
42"	147"	-	-	-	-	90.0	110.0	90.0	110.0
45"		-	-	-	-	90.0	110.0	90.0	110.0
48"		-	-	-	-	90.0	110.0	90.0	110.0



WIDTH (W) = W1
AT FRAME JAMB

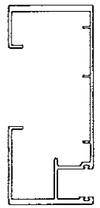


WIDTH (W) = $\frac{W1 + W2}{2}$
AT FRAME MULLION

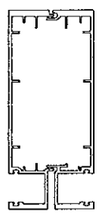


WIDTH (W) = $\frac{W1 + W2}{2}$
AT CLOSED JAMB

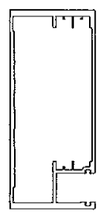
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0807.12
Expiration Date 07/01/2019
By
Miami Dade Product Control



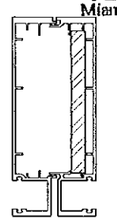
JAMB 'J1'



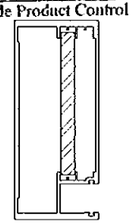
JAMB 'J2'



CLOSED JAMB 'CJ1'



JAMB 'J3'



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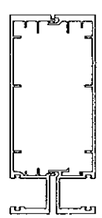
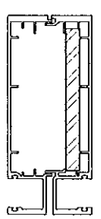


MULLION 'M1'



MULLION 'M2'

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

AUG 27 2014

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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STORE\W04-26RC

HP3070 ALUM. WINDOW WALL SYSTEM (S.M.I.)

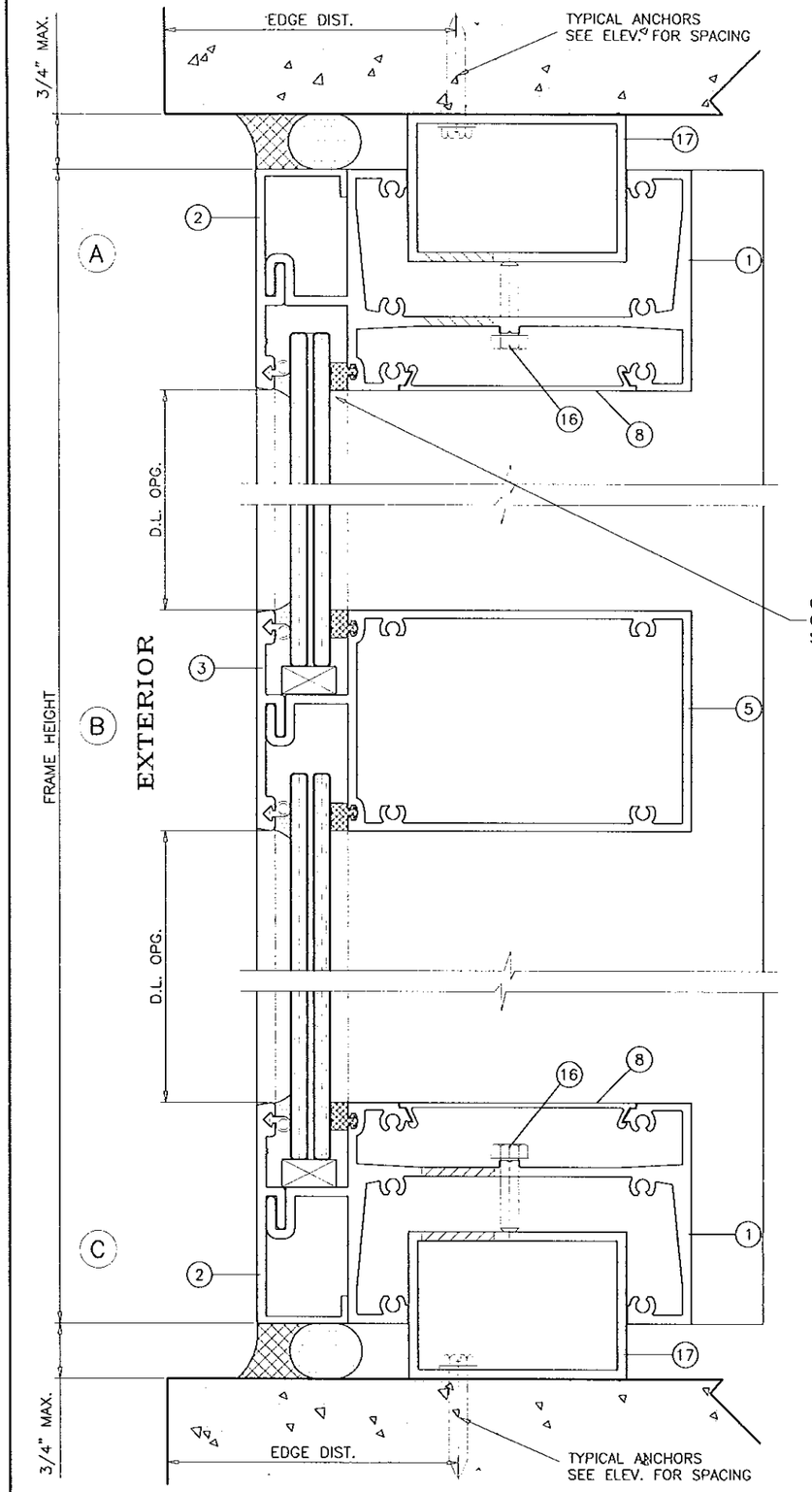
TECNOGLASS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

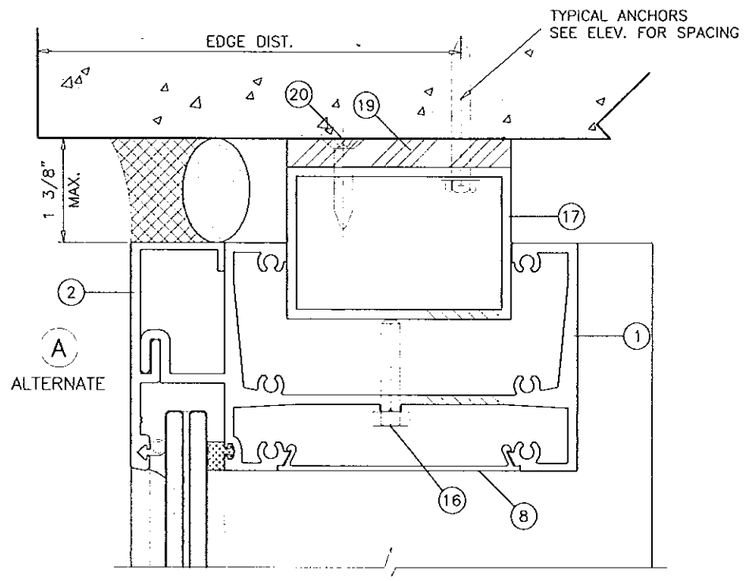
revisions:			
no	date	by	description
E	01.16.08		NO CHANGE THIS SHEET
F	10.08.08		NO CHANGE THIS SHEET
G	07.09.09		MULLION CHART REV.
H	03.08.12		NO CHANGE THIS SHEET
I	08.01.14		MANUF. NAME REV.

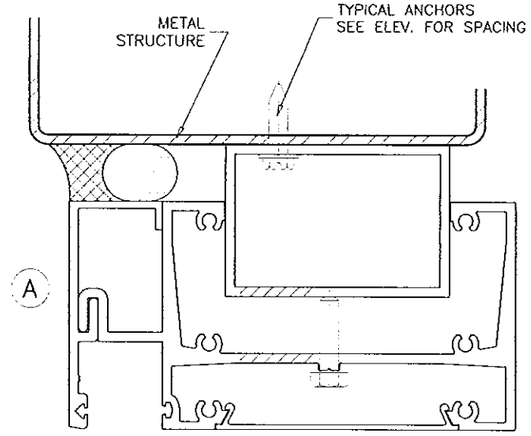
date: 03-23-04
scale: -
dr. by: HAMID
chk. by:

drawing no.
W04-26

sheet 4 of 12







TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" HILTI KWIK-CON II (Fu=163 KSI, Fy=157 KSI)

DIRECTLY INTO CONCRETE (4000 PSI MIN)
1-5/8" MIN. EMBED INTO CONCRETE

1/4" DIA. SELF DRILLING SCREWS (Fu=92 KSI, Fy=120 KSI)
INTO METAL STRUCTURES

STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T6 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

ANCHOR EDGE DISTANCES

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

SEALANTS:

ALL FRAME CORNERS AND MULLION SEAMS SEALED WITH SILICONE.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 14-0807.12
Expiration Date 07012019
By
Miami Dade Product Control

METAL STRUCTURES NOT BY TECNOGLASS
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
AUG 27 2014

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STORE\W04-26RC

HP3070 ALUM. WINDOW WALL SYSTEM (S.M.I.)

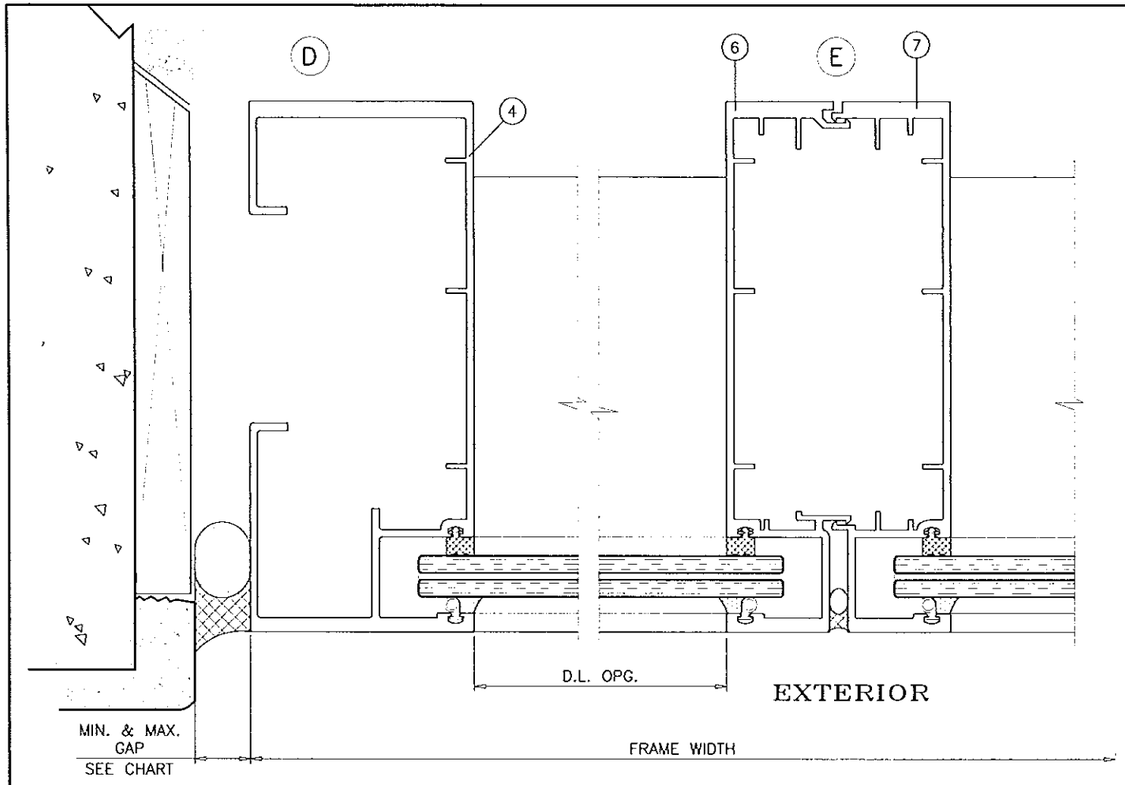
TECNOGLASS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

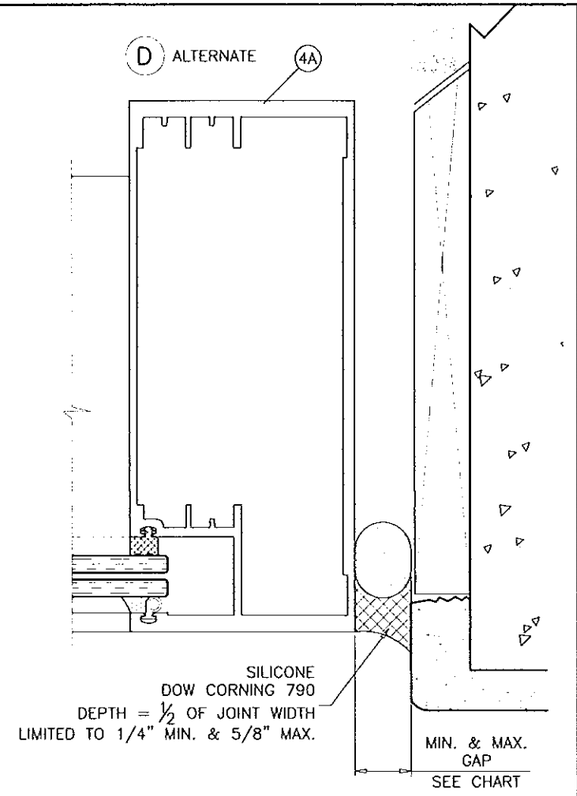
revisions:			
no	date	by	description
E	01.16.08		REV. PER BCCO COMMENTS
F	10.08.08		UPDATED FOR 2007 FBC
G	07.09.09		ANCHORS REV.
H	03.08.12		NO CHANGE THIS SHEET
I	08.01.14		MANUF. NAME REV.

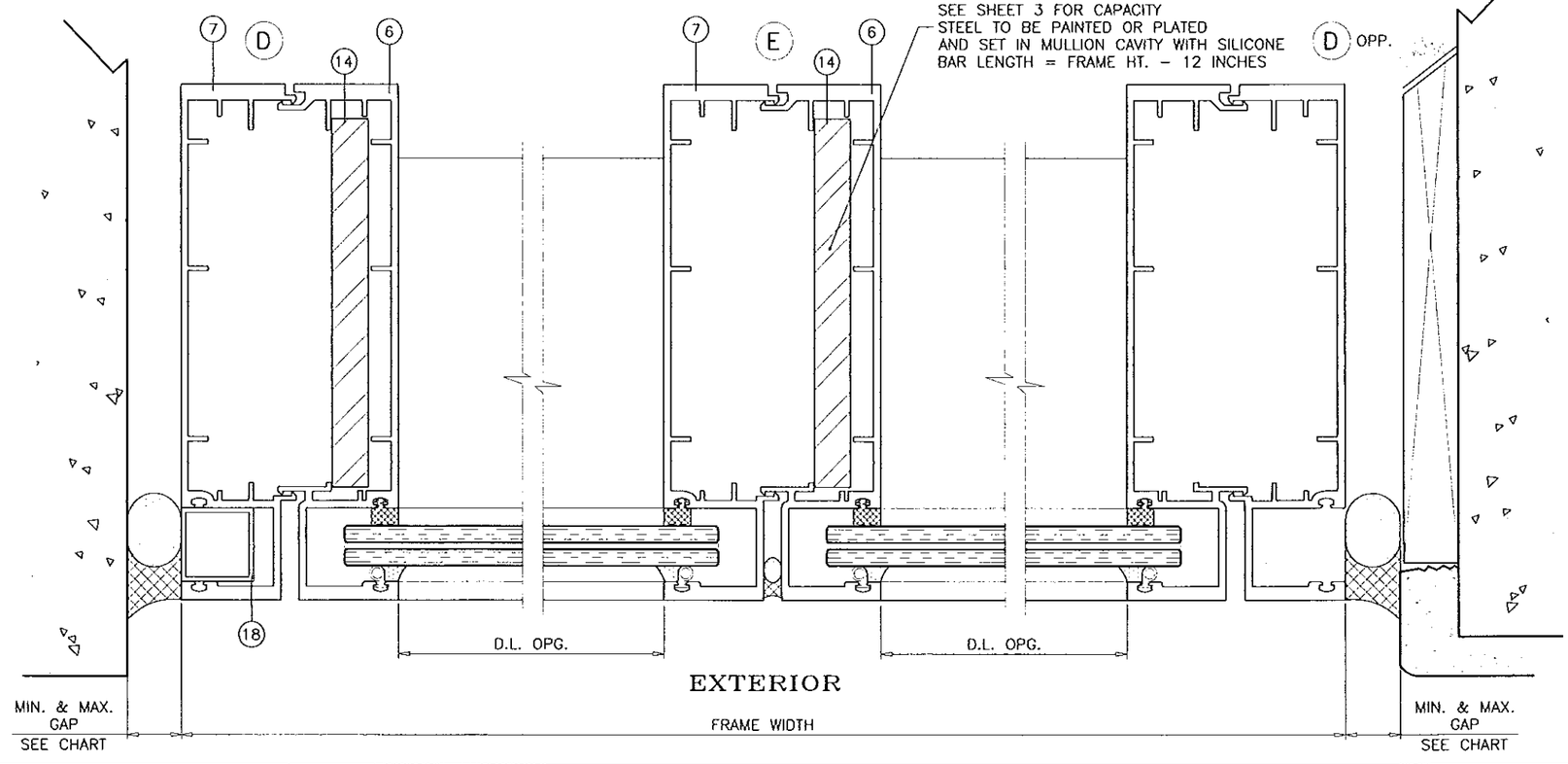
date: 03-23-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-26

sheet 5 of 12







MAX. FRAME HEIGHT	GAP MIN.	GAP MAX.
72"	1/4"	5/8"
84"	3/8"	5/8"
96"	3/8"	5/8"
108"	3/8"	5/8"
120"	1/2"	5/8"
132"	1/2"	5/8"
148"	1/2"	5/8"

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 14-0807.12
Expiration Date 07/01/2019
By
Miami Dade Product Control

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

AUG 27 2014

afc

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX. (305) 262-6978
STORE\W04-26RC

HP3070 ALUM. WINDOW WALL SYSTEM (S.M.I.)

TECNOGLASS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

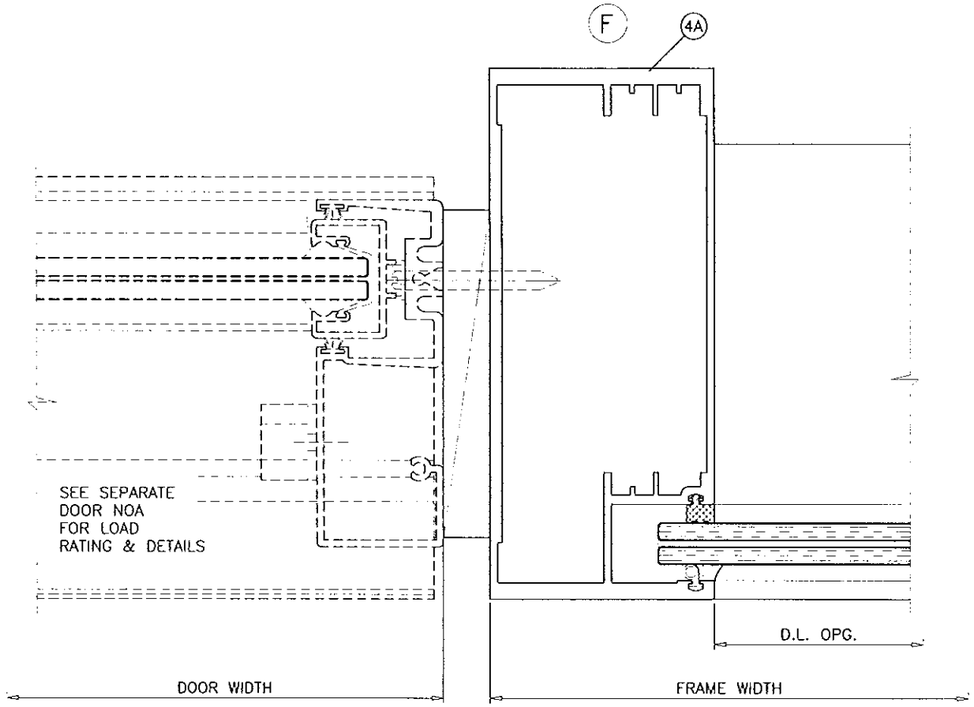
revisions:

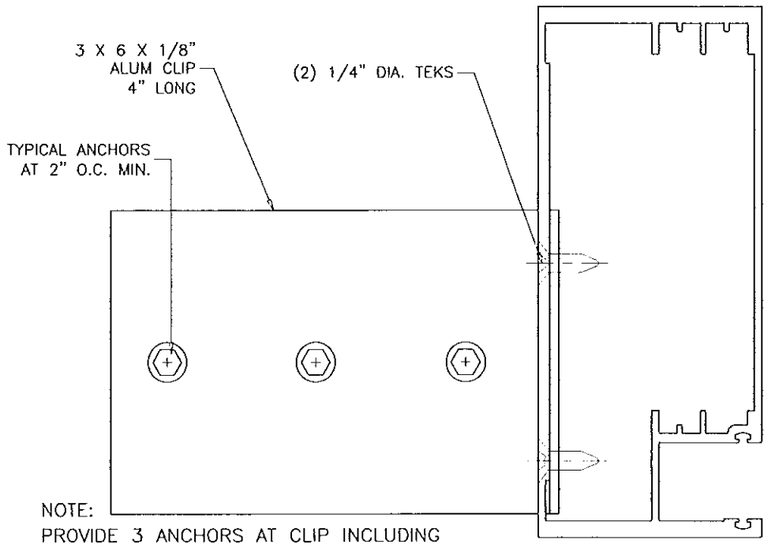
no	date	by	description
E	01.16.08		REV. PER BCCO COMMENTS
F	10.08.08		NO CHANGE THIS SHEET
G	07.09.09		SILICONE NOTE ADDED
H	03.08.12		NO CHANGE THIS SHEET
I	08.01.14		MANUF. NAME REV.

date: 03-23-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-26

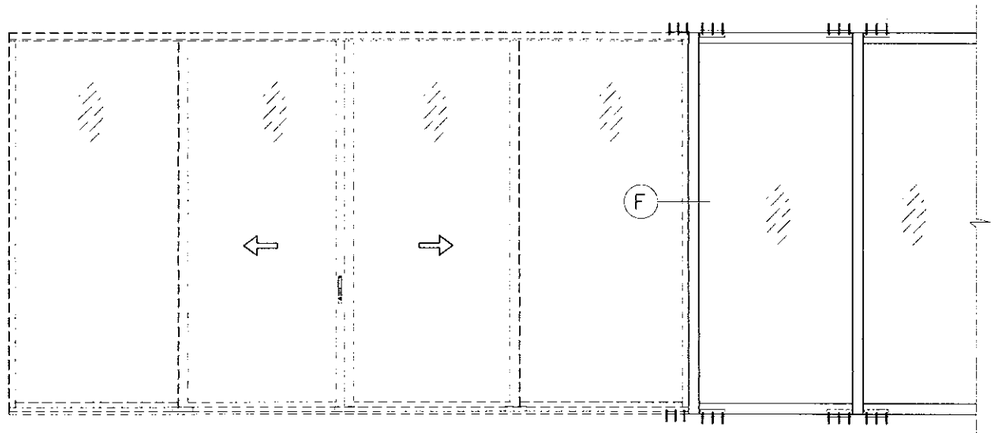
sheet 6 of 12





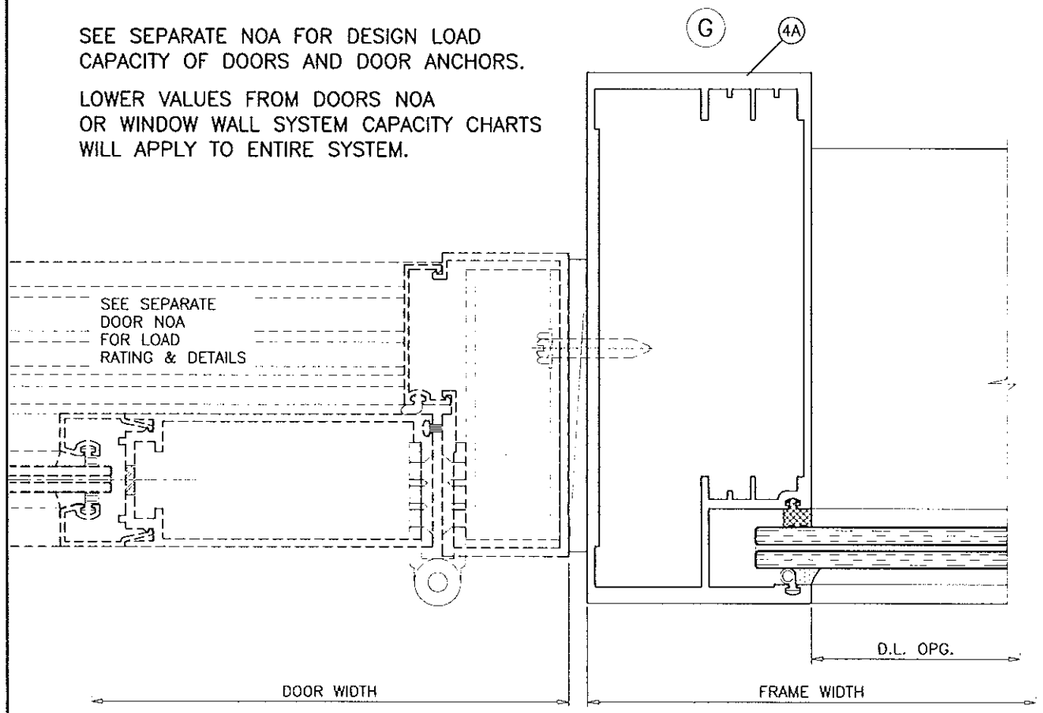
NOTE:
PROVIDE 3 ANCHORS AT CLIP INCLUDING
ONE DOOR HEAD/SILL ANCHOR.

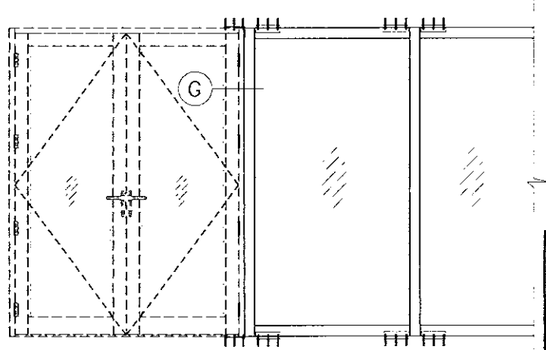
CLOSED JAMB INSTALLATION AT HEAD & SILL



SEE SEPARATE NOA FOR DESIGN LOAD
CAPACITY OF DOORS AND DOOR ANCHORS.

LOWER VALUES FROM DOORS NOA
OR WINDOW WALL SYSTEM CAPACITY CHARTS
WILL APPLY TO ENTIRE SYSTEM.





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AL-FAROOQ CORPORATION
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STORE\W04-26RC

HP3070 ALUM. WINDOW WALL SYSTEM (S.M.I.)

TECNOGLASS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
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revisions:			
no	date	by	description
E	01.16.08		NO CHANGE THIS SHEET
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H	03.08.12		NO CHANGE THIS SHEET
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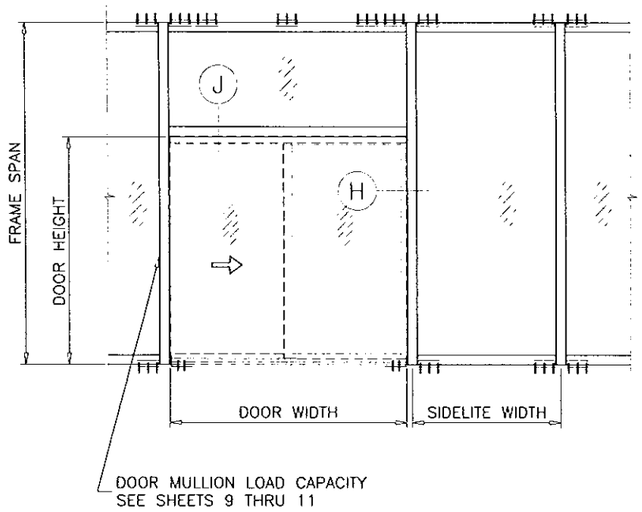
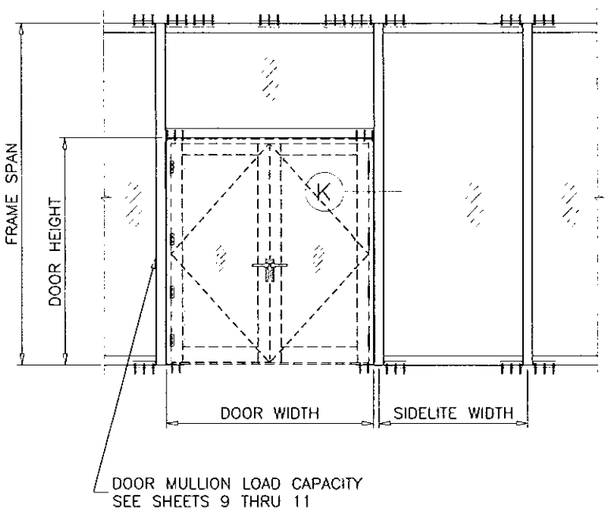
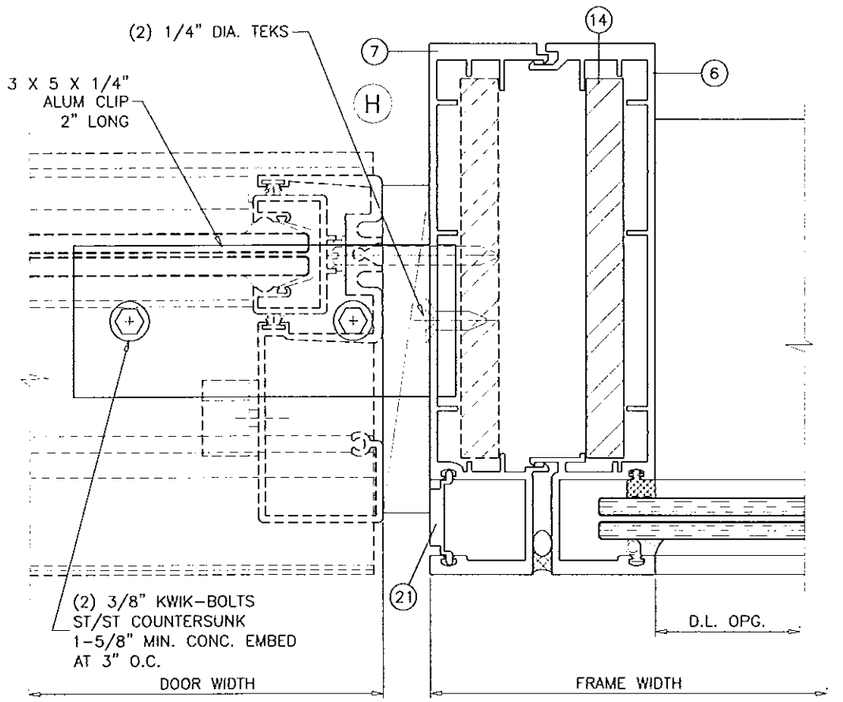
date: 03-23-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

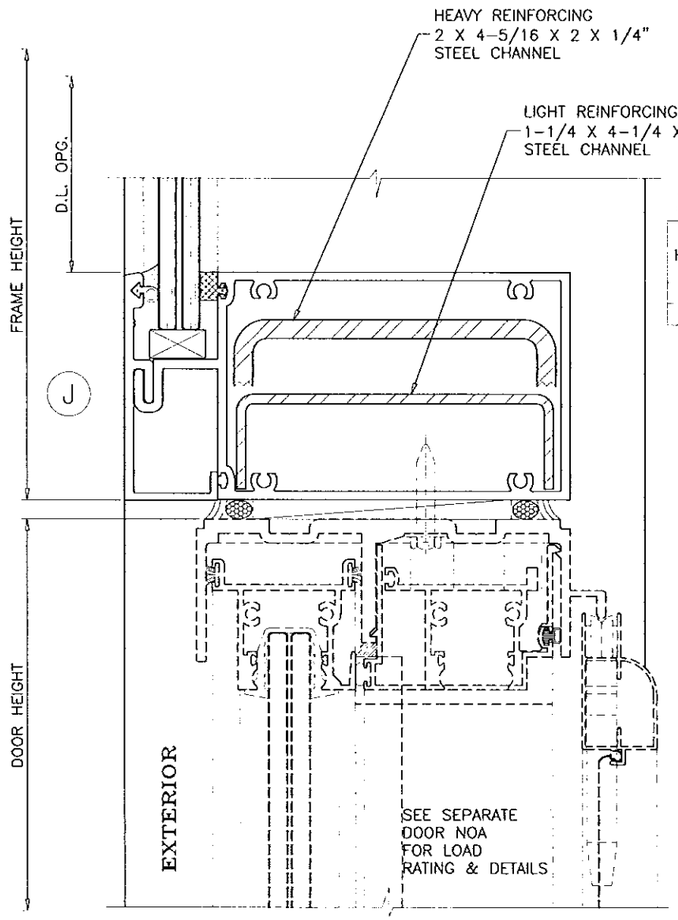
drawing no.
W04-26

sheet 7 of 12



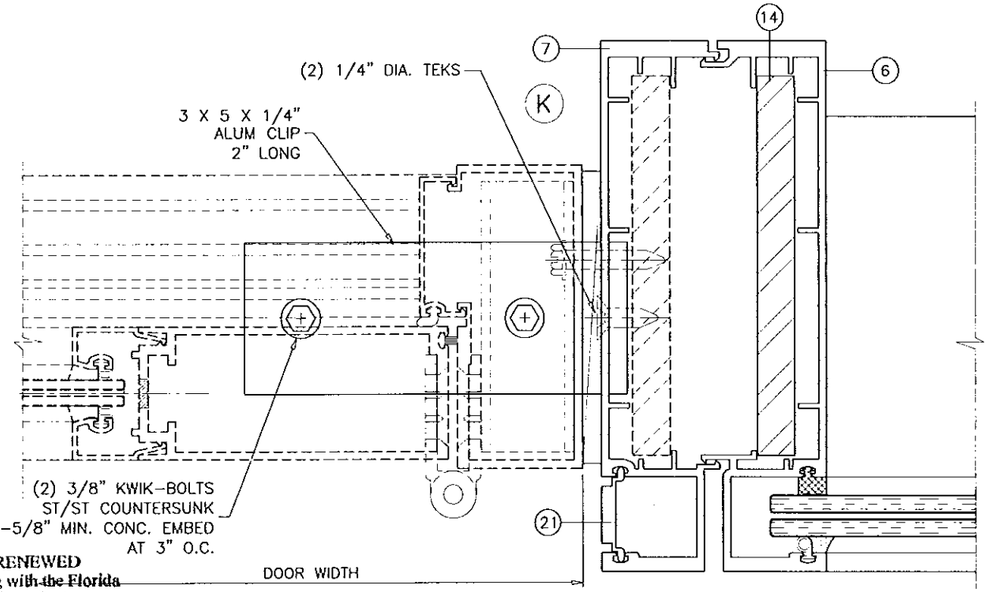






LIMIT MAX. DESIGN LOADS FOR HORIZONTAL AS FOLLOWS

HORIZ. SPAN MAX.	LOAD CAPACITY – PSF	
	LIGHT REINFORCING	HEAVY REINFORCING
96"	85.0	131.0
72"	131.0	131.0



PRODUCT RENEWED
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Building Code
Acceptance No. 14-0807.12
Expiration Date 2/01/2019
By
Miami Dade Product Control

DOOR MULLION INSTALLATION AT SILL

SEE SEPARATE NOA FOR DESIGN LOAD CAPACITY OF DOORS AND DOOR ANCHORS.

LOWER VALUES FROM DOORS NOA OR WINDOW WALL SYSTEM CAPACITY CHARTS WILL APPLY TO ENTIRE SYSTEM.

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

AUG 27 2014

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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HP3070 ALUM. WINDOW WALL SYSTEM (S.M.I.)

TECNOGLASS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7777 FAX. (305) 624-7775

no	date	by	description
revisions:			
E	01.16.08		NEW SHEET ADDED
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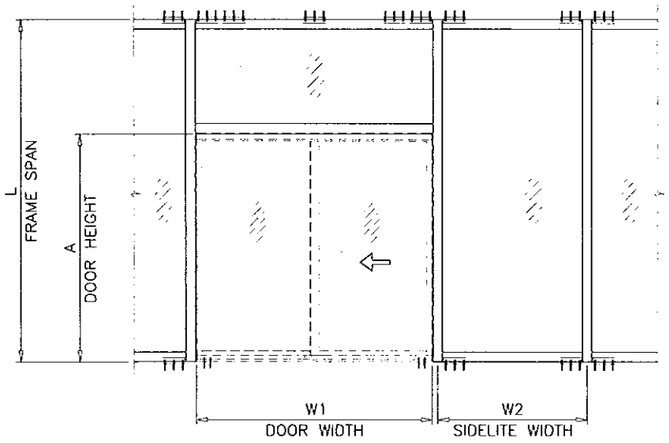
date: 03-23-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

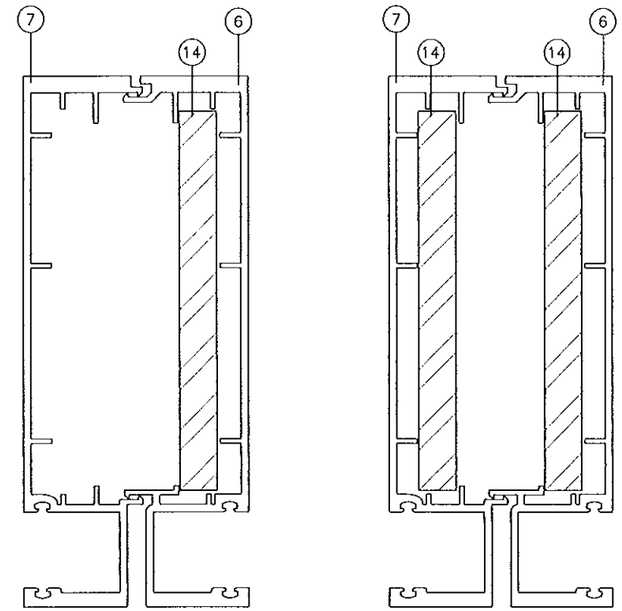
drawing no.
W04-26

sheet 8 of 12

DOOR MULLION LOAD CAPACITY					
NOMINAL DIMS.				1 STL. BAR	2 STL. BARS
DOOR WIDTH W1	SIDELITE WIDTH W2	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (–)	EXT. (+) INT. (–)
72"	30"	120"	132"	131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			122.6	131.0
84"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			127.9	131.0
96"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			126.6	131.0
72"	30"			131.0	131.0
	36"			131.0	131.0
	42"			129.7	131.0
	46"			124.4	131.0
	48"			121.9	131.0
	54"			115.0	131.0
	60"			108.8	131.0
84"	30"			131.0	131.0
	36"			126.7	131.0
	42"			119.3	131.0
	46"			114.8	131.0
	48"			112.7	131.0
	54"			106.8	130.6
96"	30"			123.9	131.0
	36"			116.8	131.0
	42"			110.5	131.0
	46"			106.6	130.4

DOOR MULLION LOAD CAPACITY					
NOMINAL DIMS.				1 STL. BAR	2 STL. BARS
DOOR WIDTH W1	SIDELITE WIDTH W2	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (–)	EXT. (+) INT. (–)
72"	30"	114"	120"	131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
84"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
96"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			127.8	127.9
72"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			119.2	131.0
84"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			130.2	131.0
	60"			123.5	131.0
96"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			130.5	131.0
	48"			128.2	131.0
	54"			121.7	131.0
72"	30"	114"	132"	131.0	131.0
	36"			131.0	131.0
	42"			125.3	131.0
	46"			120.4	131.0
	48"			118.0	131.0
	54"			111.6	131.0
	60"			105.8	129.4
84"	30"			129.6	131.0
	36"			121.9	131.0
	42"			115.0	131.0
	46"			110.8	131.0
	48"			108.9	131.0
	54"			103.3	126.4
96"	30"			118.5	131.0
	36"			112.0	131.0
	42"			106.2	130.0
	46"			102.7	125.6





PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 14-0807.12
Expiration Date 07/01/2019
By
Miami Dade Product Control

Engr: JAVAD AHMAD
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FLA. PE # 70592
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AUG 27 2014

afc
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ENGINEERS & PRODUCT DEVELOPMENT
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STORE\W04-26RC

HP3070 ALUM. WINDOW WALL SYSTEM (S.M.L.)

TECNOGLASS, LLC
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revisions:

no	date	by	description
E	01.16.08		NEW SHEET ADDED
F	10.08.08		NO CHANGE THIS SHEET
G	07.09.09		NO CHANGE THIS SHEET
H	03.08.12		NO CHANGE THIS SHEET
I	08.01.14		MANUF. NAME REV.

date: 03-23-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-26

DOOR MULLION LOAD CAPACITY

NOMINAL DIMS.				1 STL. BAR	2 STL. BARS
DOOR WIDTH W1	SIDELITE WIDTH W2	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (−)	EXT. (+) INT. (−)
72"	30"	108"	120"	131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
84"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
96"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			129.7	129.7
72"	30"	108"	132"	131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			128.2	131.0
	72"			115.9	131.0
84"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			125.6	131.0
	60"			119.4	131.0
96"	30"			131.0	131.0
	36"			131.0	131.0
	42"			129.6	131.0
	46"			125.1	131.0
	48"			123.0	131.0
	54"			117.1	131.0
72"	30"	108"	144"	131.0	131.0
	36"			128.8	131.0
	42"			121.2	131.0
	46"			116.6	131.0
	48"			114.4	131.0
	54"			108.3	131.0
	60"			102.9	125.8
84"	30"			124.3	131.0
	36"			117.2	131.0
	42"			110.9	131.0
	46"			107.0	130.9
	48"			105.2	128.7
	54"			100.1	122.4
96"	30"			113.5	131.0
	36"			107.6	131.0
	42"			102.2	125.0
	46"			98.9	121.0

DOOR MULLION LOAD CAPACITY

NOMINAL DIMS.				1 STL. BAR	2 STL. BARS
DOOR WIDTH W1	SIDELITE WIDTH W2	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (−)	EXT. (+) INT. (−)
72"	30"	102"	108"	131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
84"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
96"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
72"	30"	102"	120"	131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
84"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
96"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			126.7	131.0

DOOR MULLION LOAD CAPACITY

NOMINAL DIMS.				1 STL. BAR	2 STL. BARS
DOOR WIDTH W1	SIDELITE WIDTH W2	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (−)	EXT. (+) INT. (−)
72"	30"	102"	132"	131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			124.3	131.0
	72"			112.7	131.0
84"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			129.8	131.0
	48"			127.6	131.0
	54"			121.2	131.0
	60"			115.4	131.0
96"	30"			131.0	131.0
	36"			130.9	131.0
	42"			124.2	131.0
	46"			120.1	131.0
	48"			118.2	131.0
	54"			112.7	131.0
72"	30"	102"	144"	131.0	131.0
	36"			124.3	131.0
	42"			117.2	131.0
	46"			112.9	131.0
	48"			110.9	131.0
	54"			105.2	128.7
	60"			100.1	122.4
84"	30"			119.4	131.0
	36"			112.9	131.0
	42"			107.0	130.9
	46"			103.5	126.5
	48"			101.7	124.4
	54"			96.9	118.6
96"	30"			108.7	131.0
	36"			103.4	126.4
	42"			98.4	120.4
	46"			95.4	116.7

PRODUCT RENEWED
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Expiration Date 07/01/2019
By _____
Miami Dade Product Control

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

AUG 27 2014

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

STORE\W04-26RC

HP3070 ALUM. WINDOW WALL SYSTEM (S.M.I.)

TECNOGLASS, LLC
5220 N.W. 72 AVE. #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

revisions:

no	date	by	description
E	01.16.08		NEW SHEET ADDED
F	10.08.08		NO CHANGE THIS SHEET
G	07.09.09		NO CHANGE THIS SHEET
H	03.08.12		NO CHANGE THIS SHEET
I	08.01.14		MANUF. NAME REV.

date: 03-23-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W04-26

DOOR MULLION LOAD CAPACITY					
NOMINAL DIMS.				1 STL. BAR	2 STL. BARS
DOOR WIDTH W1	SIDELITE WIDTH W2	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (−)	EXT. (+) INT. (−)
72"	30"	96"	108"	131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
84"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
96"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
72"	30"		120"	131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			131.0	131.0
84"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			129.8	131.0
96"	30"			131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			131.0	131.0
	60"			131.0	131.0
	72"			122.1	131.0

DOOR MULLION LOAD CAPACITY					
NOMINAL DIMS.				1 STL. BAR	2 STL. BARS
DOOR WIDTH W1	SIDELITE WIDTH W2	DOOR HEIGHT A	FRAME SPAN L	EXT. (+) INT. (−)	EXT. (+) INT. (−)
72"	30"	96"	132"	131.0	131.0
	36"			131.0	131.0
	42"			131.0	131.0
	46"			131.0	131.0
	48"			131.0	131.0
	54"			126.9	131.0
	60"			120.6	131.0
	72"			109.7	131.0
84"	30"			131.0	131.0
	36"			131.0	131.0
	42"			129.5	131.0
	46"			125.0	131.0
	48"			122.9	131.0
	54"			117.0	131.0
	60"			111.7	131.0
96"	30"			131.0	131.0
	36"			125.2	131.0
	42"			119.2	131.0
	46"			115.4	131.0
	48"			113.6	131.0
	54"			108.6	131.0
72"	30"		144"	127.5	131.0
	36"			120.1	131.0
	42"			113.5	131.0
	46"			109.5	131.0
	48"			107.6	131.0
	54"			102.2	125.0
	60"			97.4	119.1
84"	30"			114.7	131.0
	36"			108.7	131.0
	42"			103.4	126.4
	46"			100.0	122.3
	48"			98.4	120.4
	54"			93.9	114.9
96"	30"			104.3	127.6
	36"			99.4	121.6
	42"			94.8	116.0
	46"			92.1	112.6

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 14-0807.12
Expiration Date ~~07.01.2019~~
By
Miami Dade Product Control

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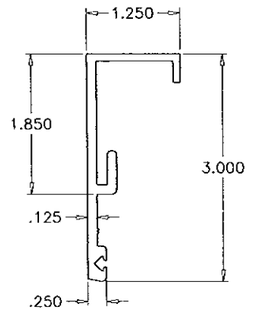
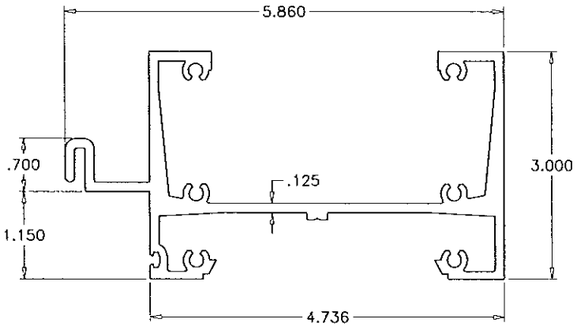
dr. by: HAMID
chk. by:

drawing no.
W04-26

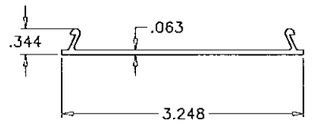
sheet 11 of 12



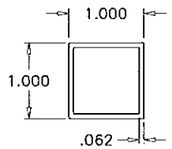
(2) GLAZING RETAINER HEAD/SILL



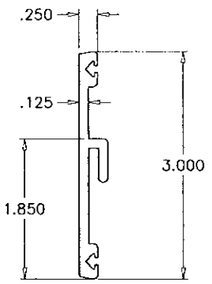
(1) FRAME HEAD/SILL



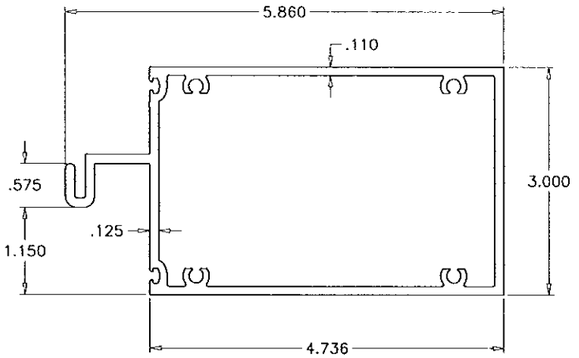
(8) COVER HEAD/SILL



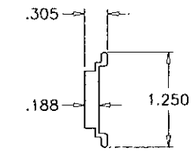
(18) FILLER TUBE



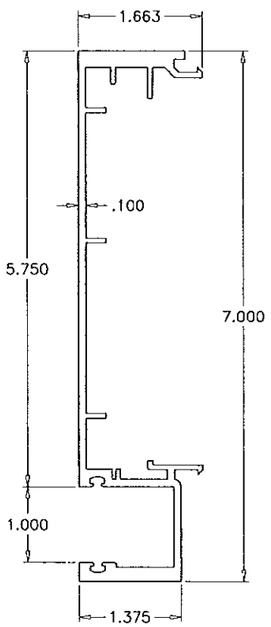
(3) GLAZING RETAINER HORIZONTAL



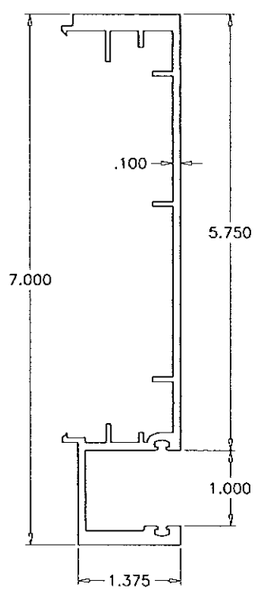
(5) HORIZONTAL



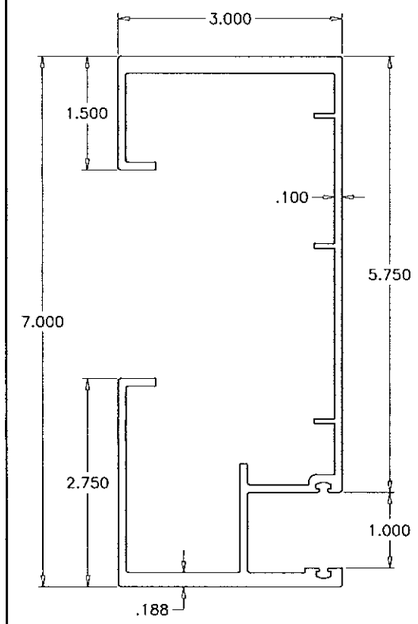
(21) GLAZING POCKET COVER



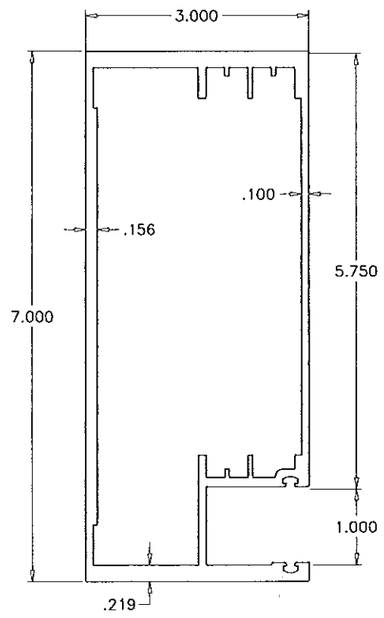
(7) MALE MULLION



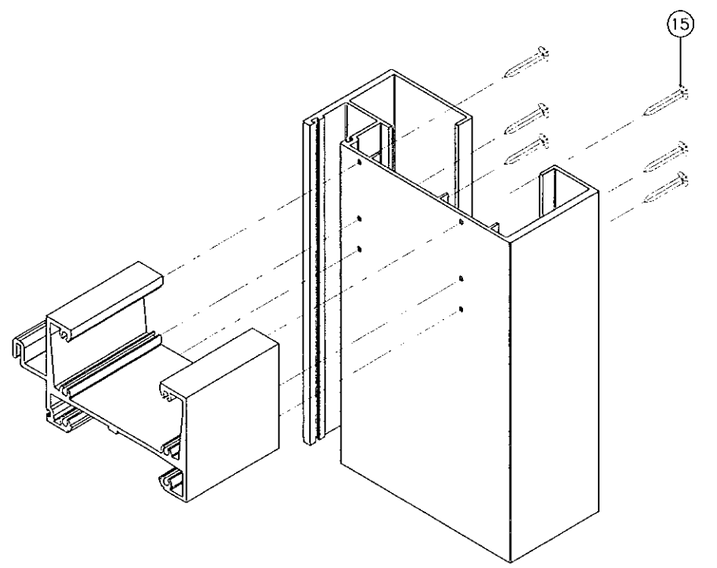
(6) FEMALE MULLION



(4) FRAME JAMB



(4A) CLOSED FRAME JAMB



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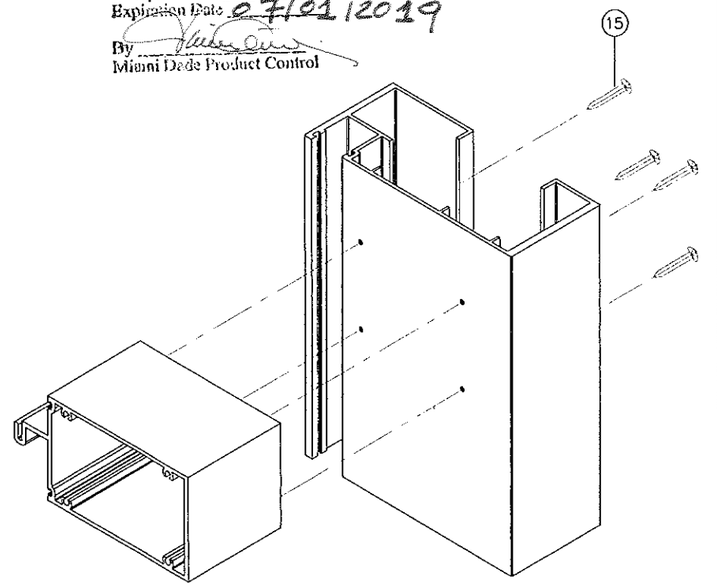

FRAME CORNER

Engr: JAVAD AHMAD
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AUG 27 2014

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sheet 12 of 12