



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
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)

Shutters Depot, LLC
1776 W. 41st Street
Hialeah, Florida 33012

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "HPMA / Performance System 2" Aluminum Accordion Shutter

APPROVAL DOCUMENT: Drawing No. AD10-30, titled "System 2 Aluminum Accordion Shutter", sheets 1 through 11 of 11, prepared by MCY Engineering, Inc., dated November 10, 2020, signed and sealed by Yiping Wang, P.E., on November 30, 2020 bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Hialeah, Florida, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

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

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

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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

This NOA **revises & renews** NOA #18-0410.05 and consists of this page 1, evidence submitted pages E-1, E-2, E-3 & E-4 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
01/21/2021

NOA No. 20-1215.05
Expiration Date: 03/31/2026
Approval Date: 01/21/2021

Shutters Depot, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 10-0930.14

A. DRAWINGS

1. *Drawing No. AD10-30, titled " System 2 Aluminum Accordion Shutter ", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated May 13, 2010, last revision #1 dated September 05, 2010, signed and sealed by Yiping Wang, P.E.*

B. TESTS

1. *See Association's generic approval under 10-0710.*

C. CALCULATIONS

1. *See Association's generic approval under 10-0710.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building and Neighborhood Compliance Department.*

E. MATERIAL CERTIFICATIONS

1. *See Association's generic approval under 10-0710.*

F. STATEMENTS

1. *Release letter issued by the Hurricane Protection Manufacturers Association, dated September 30, 2010, certifying this product to meet the criteria of product tested and approved, and allowing Shutters Depot to use the test results approved under Miami Dade County Approval No. 10-0710, signed by Mr. Henry Revilla.*
2. *Acknowledgment letter by Shutters Depot dated February 12, 2011, signed by Mr. Francisco Ceballos.*
3. *Letter by MCY Engineering, Inc., dated February 05, 2011, signed and sealed by Yipping Wang, P.E., certifying that the drawing (No. AD10-30) prepared for Shutters Depot is engineering wise identical to HPMA's generic drawing (No. AD10-12).*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 10-0930.14

A. DRAWINGS

1. *Drawing No. AD10-30, titled " System 2 Aluminum Accordion Shutter ", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated May 13, 2010, last revision #1 dated April 09, 2012, signed and sealed by Yiping Wang, P.E.*

B. TESTS

1. *See Association's generic approval under 12-0736.*



Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor

NOA No. 20-1215.05

Expiration Date: 03/31/2026

Approval Date: 01/21/2021

Shutters Depot, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *See Association's generic approval under 12-0736.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *See Association's generic approval under 12-0736.*

F. STATEMENTS

1. *Release letter issued by the Hurricane Protection Manufacturers Association, dated July 27, 2012, certifying this product to meet the criteria of product tested and approved, and allowing Shutters Depot, LLC to use the test results approved under Miami Dade County Approval No. 12-0736, signed by Mr. Henry Revilla.*
2. *Acknowledgment letter by Shutters Depot, LLC, dated July 27, 2012, signed by Mr. Francisco Ceballos.*
3. *Letter by MCY Engineering, Inc., dated April 09, 2012, signed and sealed by Yipping Wang, P.E., certifying that the drawing (No. AD10-30) prepared for Shutters Depot, LLC is engineering wise identical to HPMA's generic drawing (No. AD10-12).*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 15-0615.11

A. DRAWINGS

1. *Drawing No. AD10-30, titled " System 2 Aluminum Accordion Shutter ", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated May 13, 2010, last revision #3 dated March 20, 2015, signed and sealed by Yiping Wang, P.E.*

B. TESTS

1. *See Association's generic approval under 15-0430.*

C. CALCULATIONS

1. *See Association's generic approval under 15-0430.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *See Association's generic approval under 15-0430.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 20-1215.05
Expiration Date: 03/31/2026
Approval Date: 01/21/2021

Shutters Depot, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 16-0209.18

A. DRAWINGS

1. *None.*

B. TESTS

1. *See Association's generic approval under 15-0430.*

C. CALCULATIONS

1. *See Association's generic approval under 15-0430.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *See Association's generic approval under 15-0430.*

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 18-0410.05

A. DRAWINGS

1. *Drawing No. AD10-30, titled "System 2 Aluminum Accordion Shutter", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated May 13, 2010, last revision #43 dated April 24, 2018, signed and sealed by Yiping Wang, P.E.*

B. TESTS

1. *See Association's generic approval under 18-0255.*

C. CALCULATIONS

1. *See Association's generic approval under 18-0255.*

D. QUALITY ASSURANCE

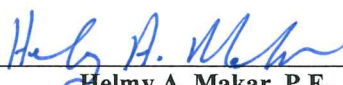
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *See Association's generic approval under 18-0255.*

F. STATEMENTS

1. *Letter of Compliance by MCY Engineering, Inc., dated April 24, 2018, signed and sealed by Ms. Yiping Wang, P.E., certifying that the drawing (No. AD10-30) prepared for Shutters depot, LLC is in conformance with the FBC, 2017 Edition.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 20-1215.05
Expiration Date: 03/31/2026
Approval Date: 01/21/2021

Shutters Depot, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. AD10-30, titled "System 2 Aluminum Accordion Shutter", sheets 1 through 11 of 11, prepared by MCY Engineering, Inc., dated November 10, 2020, signed and sealed by Yiping Wang, P.E., on November 30, 2020.*

B. TESTS

1. *See Association's generic approval under 20-1783.*

C. CALCULATIONS

1. *See Association's generic approval under 20-1783.*

D. QUALITY ASSURANCE


1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

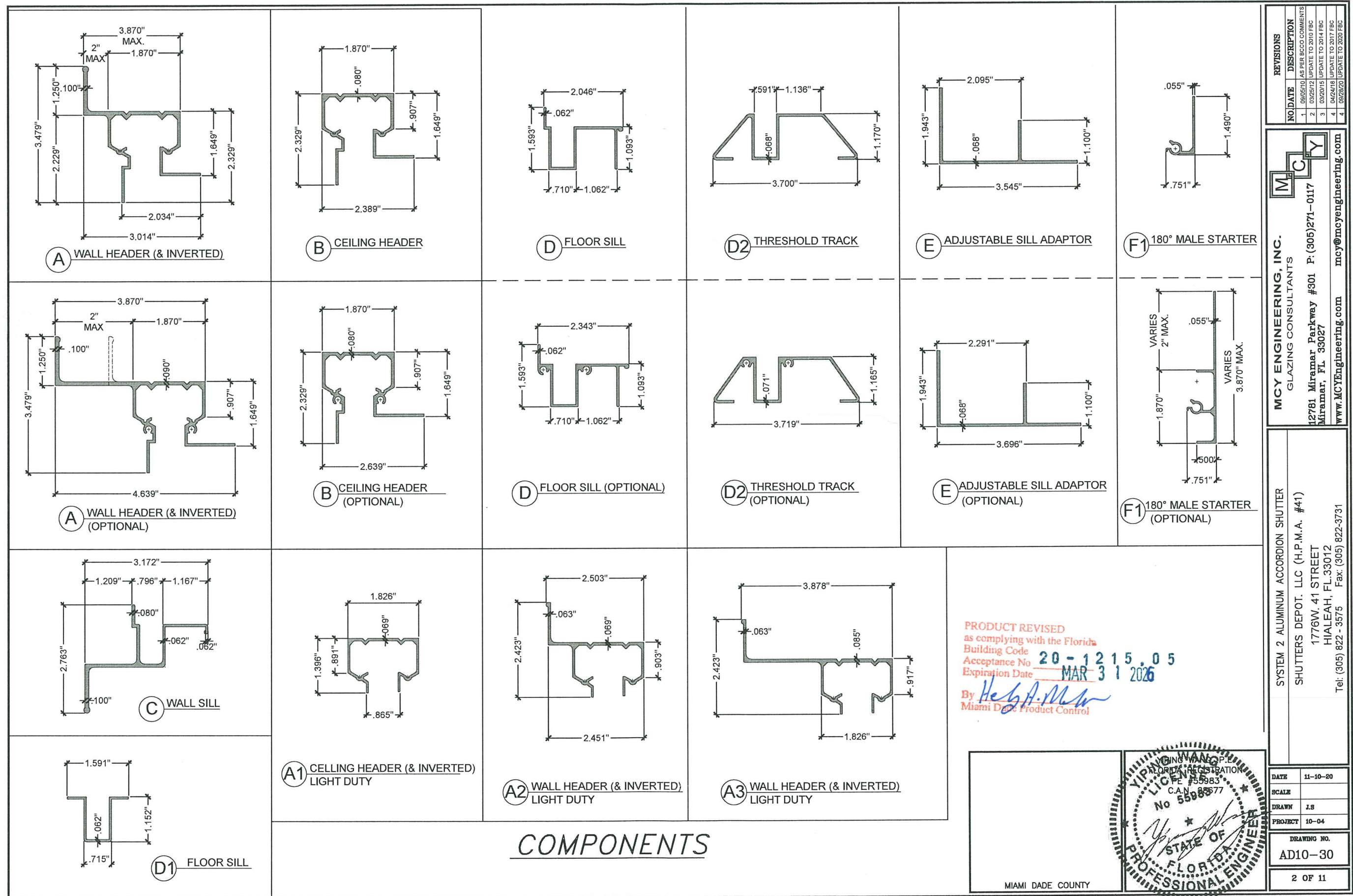
1. *See Association's generic approval under 20-1783.*

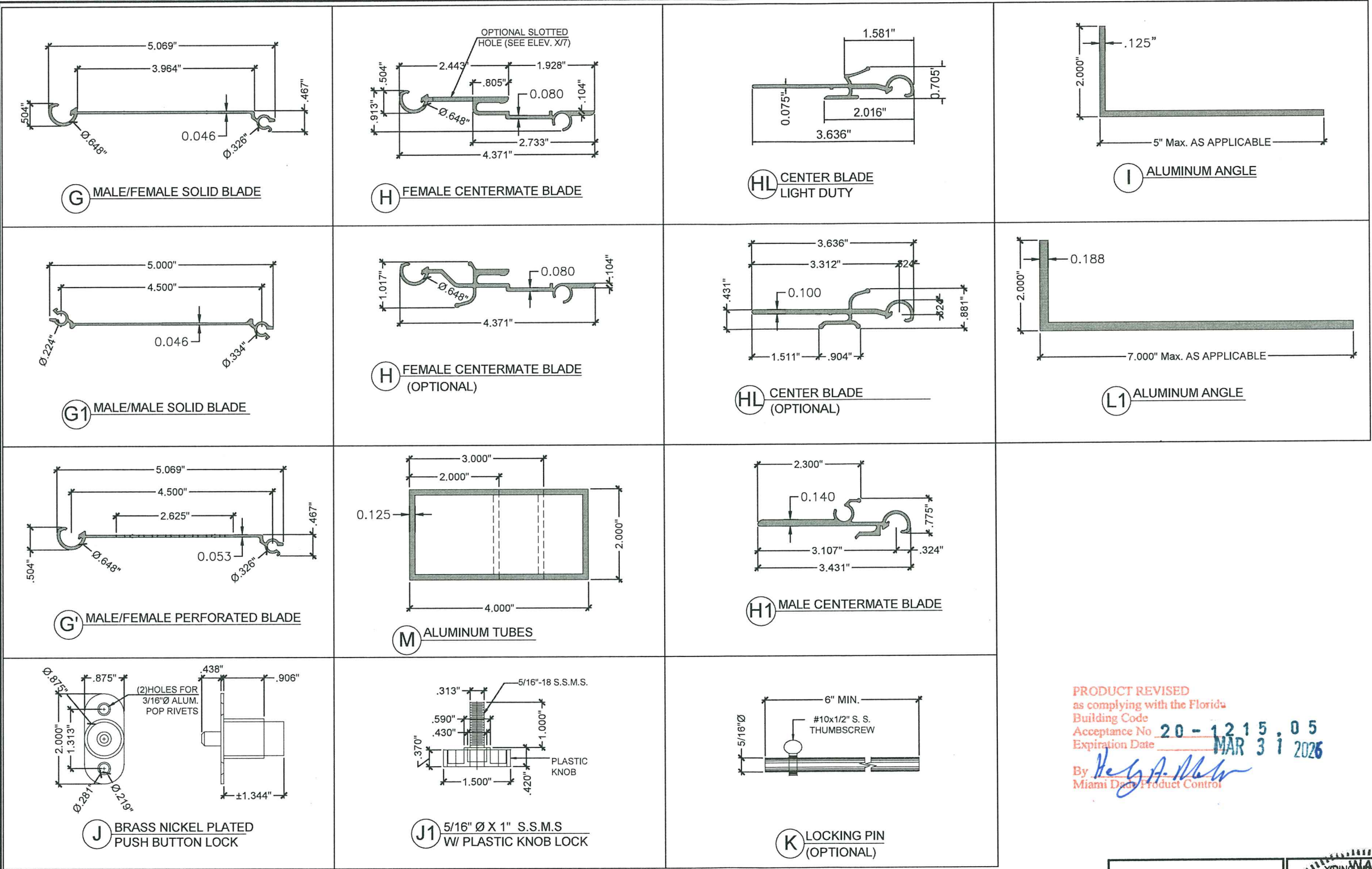
F. STATEMENTS

1. *Letter of Compliance by MCY Engineering, Inc., dated November 10, 2020, signed and sealed by Ms. Yiping Wang, P.E., certifying that the drawing (No. AD10-30) prepared for Shutters depot, LLC is in conformance with the FBC, 2020 Edition.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 20-1215.05
Expiration Date: 03/31/2026
Approval Date: 01/21/2021





COMPONENTS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 20-1215-05
Expiration Date MAR 31 2026
By *H. G. A. Miller*
Miami Data Product Control

MIAMI DADE COUNTY

YIPING WANG

PROFESSIONAL ENGINEER

FLORIDA

STATE OF

NO. 55983

C.E.N. 35983

DATE 11-10-20

SCALE

DRAWN J.S

PROJECT 10-04

DRAWING NO. AD10-30

3 OF 11

SYSTEM 2 ALUMINUM ACCORDION SHUTTER

SHUTTERS DEPOT, LLC (H.P.M.A. #41)

1776W. 41 STREET

HIALEAH, FL 33012

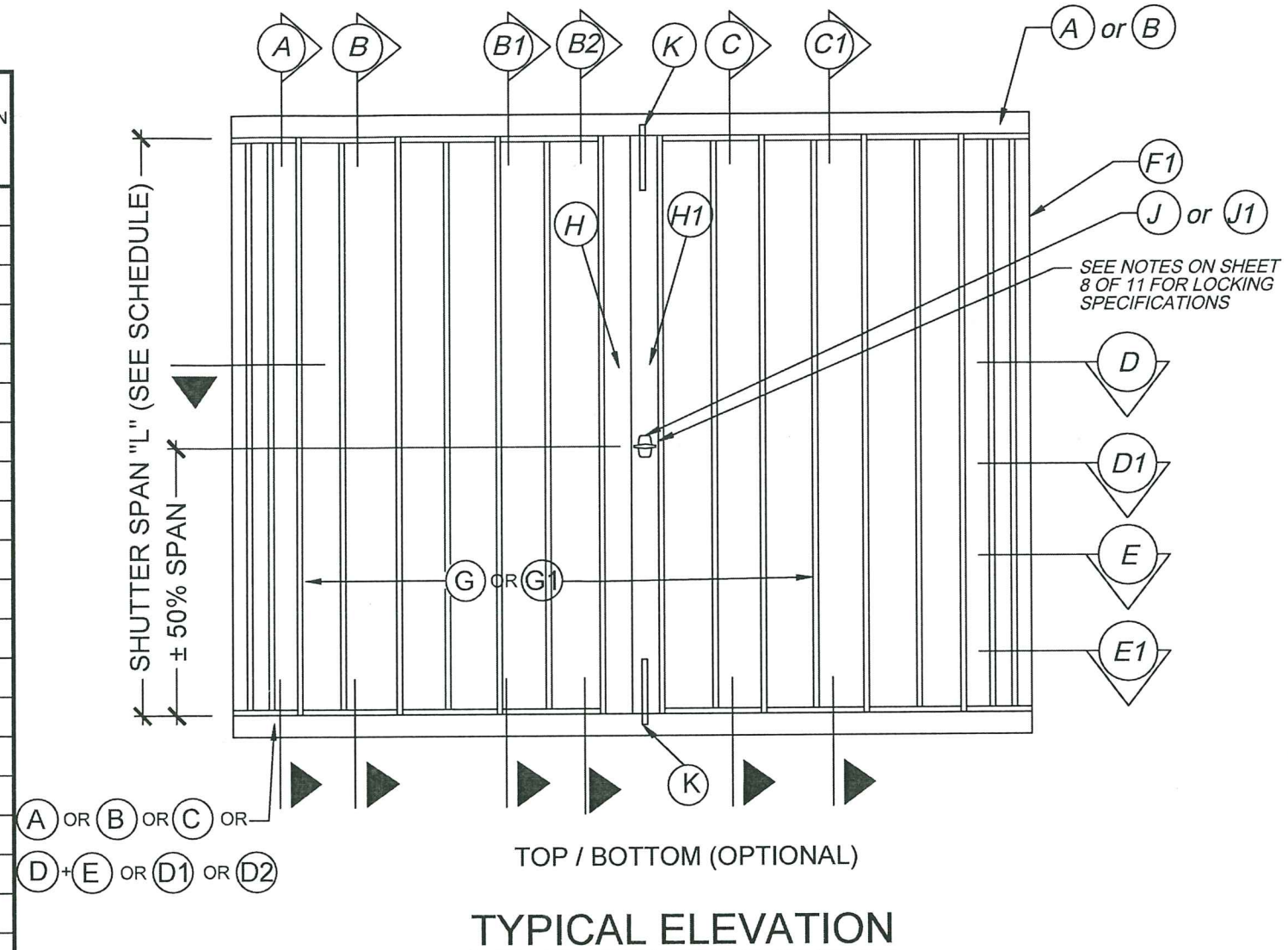
Tel: (305) 822-3575 Fax: (305) 822-3731

NO.	DATE	DESCRIPTION
1	09/26/20	AS PER BICO COMMENTS
2	03/25/21	UPDATE TO 2010 FBC
3	03/20/21	UPDATE TO 2014 FBC
4	04/24/21	UPDATE TO 2017 FBC
4	09/28/20	UPDATE TO 2020 FBC

MCY
MCY ENGINEERING, INC.
 GLAZING CONSULTANTS
 12781 Miramar Parkway #301 P: (305) 271-0117
 Miramar, FL 33027
 www.MCYEngineering.com mcy@mcyengineering.com

MAXIMUM DESIGN PRESSURE RATING "Pd" (PSF)
AND CORRESPONDING MAXIMUM SPAN "L" SCHEDULE.

MAXIMUM DESIGN LOAD "Pd" (PSF)	MAXIMUM SHUTTER SPAN "L" FOR ALL SECTIONS		HVHZ MINIMUM SEPARATION TO GLASS (in.) ALL SECTIONS	NON-HVHZ NO MIN. SEPARATION IS REQUIRED
	VS POSITIVE LOAD	VS NEGATIVE LOAD		
40	13'-2"	14'-1"	3.0	-
45	12'-9"	14'-1"	3.0	-
50	12'-5"	14'-1"	3.0	-
55	12'-2"	13'-5"	3.0	-
60	11'-11"	12'-10"	3.0	-
65	11'-8"	12'-4"	3.0	-
70	11'-5"	11'-11"	3.0	-
75	11'-3"	11'-6"	3.0	-
80	11'-1"	11'-2"	3.0	-
85	10'-10"	10'-10"	3.0	-
90	10'-6"	10'-6"	3.0	-
95	10'-3"	10'-3"	2.875	-
100	10'	10'	2.875	-
105	9'-9"	9'-9"	2.625	-
110	9'-6"	9'-6"	2.5	-
115	9'-4"	9'-4"	2.5	-
120	9'-1"	9'-1"	2.5	-
125	8'-10"	8'-10"	2.5	-
130	8'-6"	8'-6"	2.375	-
135	-	8'-2"	2.375	-
140	-	7'-11"	2.375	-
145	-	7'-7"	2.375	-
150	-	7'-4"	2.375	-
155	-	7'-2"	2.375	-
160	-	6'-11"	2.375	-
165	-	6'-8"	2.375	-
170	-	6'-6"	2.375	-
175	-	6'-4"	2.375	-
180	-	6'-2"	2.375	-
185	-	6'	2.375	-
190	-	5'-10"	2.375	-
195	-	5'-8"	2.375	-



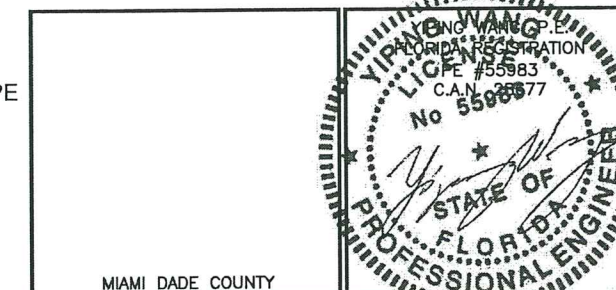
INSTRUCTION:

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

STEP 2 CHECK SHUTTER CAPACITY FOR A GIVEN SHUTTER SPAN USING CHARTS ON SHEET 4. MAX. DESIGN LOAD FROM CHART HAS TO BE GREATER THAN DESIGN WIND LOAD FROM STEP 1.

STEP 3 USING CHARTS ON SHEET 5 THRU SHEET 11 SELECT ANCHOR TYPE AND SPACING BASED ON DESIGN LOAD AND SHUTTER SPAN FOR THE ANCHOR DETAIL USED.

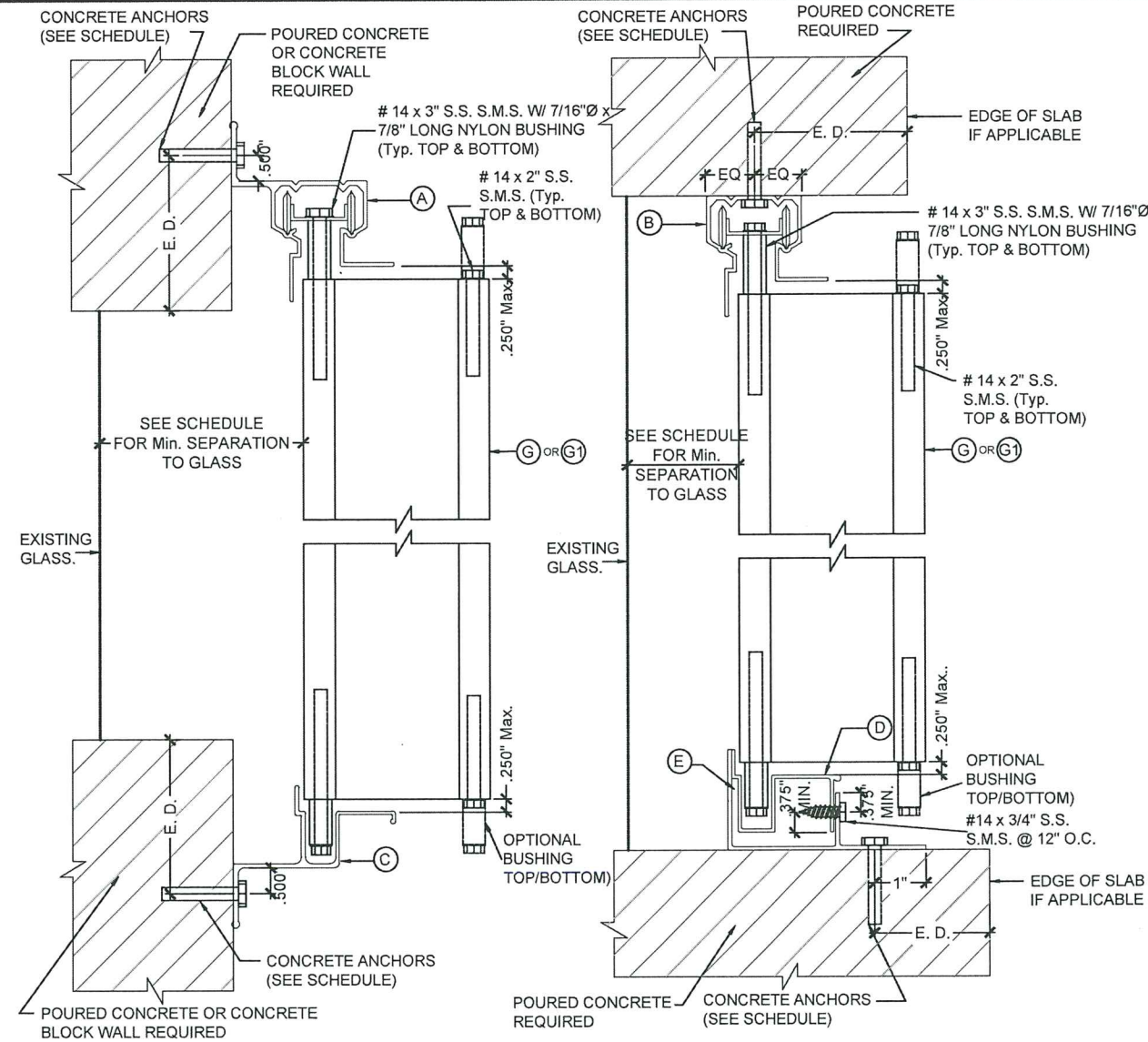
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 20-1215.05
Expiration Date MAR 31 2026
By *Heidi A. Malin*
Miami Dade Product Control



REVISIONS		NO. DATE	DESCRIPTION
1	09/05/10		
2	03/25/12		
3	03/20/15		
4	04/24/18		
5	09/28/20		UPDATE TO 2020 FBC

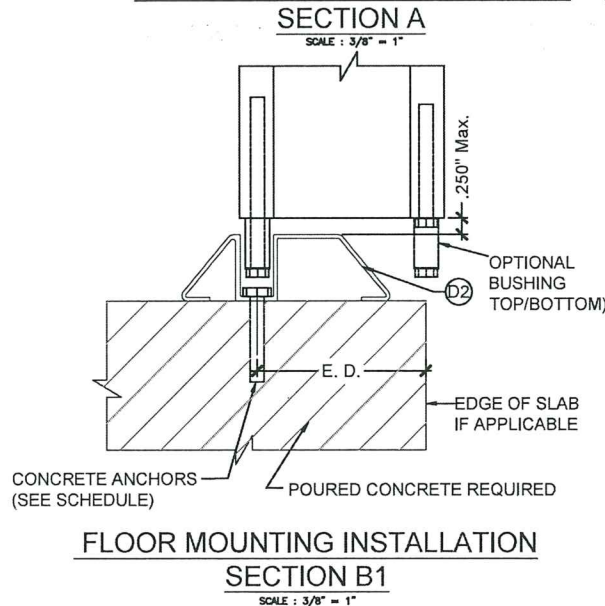
MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 Miramar Parkway #301 Miramar, FL 33027 P: (305) 271-0117 www.MCYEngineering.com	
SYSTEM 2 ALUMINUM ACCORDION SHUTTER SHUTTERS DEPOT, LLC (H.P.M.A. #41) 1776W. 41 STREET HIALEAH, FL 33012 Tel: (305) 822-3575 Fax: (305) 822-3731	mcy@mcycyengineering.com

DATE	11-10-20
SCALE	
DRAWN	J.S
PROJECT	10-04
DRAWING NO.	AD10-30
	4 OF 11

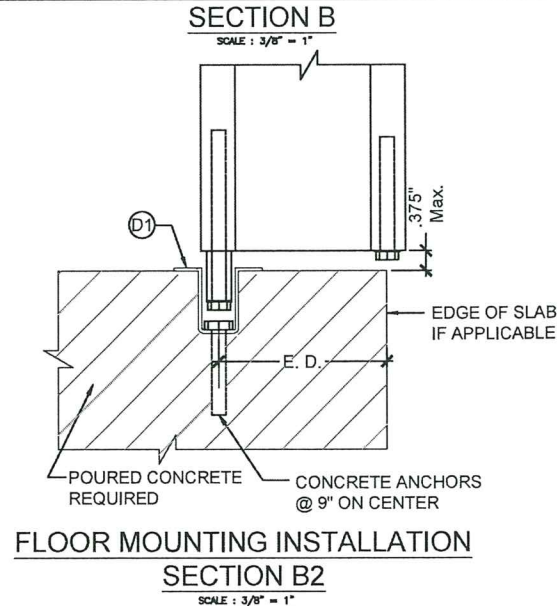


WALL MOUNTING INSTALLATION

CEILING & FLOOR MOUNTING INSTALLATION



FLOOR MOUNTING INSTALLATION



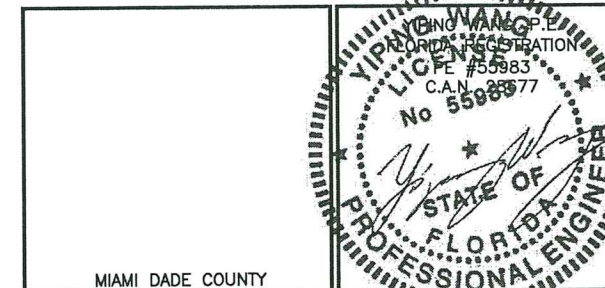
FLOOR MOUNTING INSTALLATION

MAXIMUM DESIGN PRESSURE RATING "Pd" (PSF) AND CORRESPONDING MAXIMUM ANCHOR SPACING (in.) SCHEDULE. +

MAXIMUM DESIGN LOAD "Pd" (PSF)	SHUTTER SPAN (INCH)	SECTION A (TOP/BOTTOM)					SECTION B (TOP/BOTTOM) B1 (BOTTOM)		
		SUBSTRATE CONCRETE		SUBSTRATE BLOCK		SUBSTRATE CONCRETE	SUBSTRATE CONCRETE		SUBSTRATE CONCRETE
		ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE B1		ANCHOR TYPE A	ANCHOR TYPE B	
60	60"	9	9	9	4	4.6	6	6	6
	78	9	9	9	3	3.5	6	6	6
	96	8	7.5	8	-	-	6	6	6
	120"	6	6	6.5	-	-	6	6	6
	144"	5	5	5.5	-	-	6	6	6
65	154"	5	4.5	5	-	-	6	6	6
	60"	9	9	9	3.5	4.2	6	6	6
	78	9	8.5	9	-	3.2	6	6	6
	96	7	7	7.5	-	-	6	6	6
	120"	5.5	5.5	6	-	-	6	6	6
70	148"	4.5	4.5	4.5	-	-	6	5.5	6
	60"	9	9	9	3.5	3.9	6	6	6
	78	8	8	8.5	-	3	6	6	6
	96	6.5	6.5	7	-	-	6	6	6
	120"	5.5	5	5.5	-	-	6	6	6
80	143"	4.5	4.5	4.5	-	-	5.5	5.5	6
	60"	9	9	9	3	3.4	6	6	6
	78	7	7	7.5	-	-	6	6	6
	96	6	5.5	6	-	-	6	6	6
	120"	4.5	4.5	5	-	-	6	6	6
100	134"	4	4	4.5	-	-	5.5	5	6
	60"	7.5	7.5	8	-	-	6	6	6
	78	5.5	5.5	6	-	-	6	6	6
	96	4.5	4.5	5	-	-	6	6	6
	120"	3.5	3.5	4	-	-	5	4.5	6
195	60"	3.5	3.5	4	-	-	5	4.5	6
	66"	3.5	3	3.5	-	-	4.5	4	5.5

NOTE:
FOR LIGHT DUTY SHUTTER ON SHEET 10, MAX. SPACING SHOULD BE LIMITED TO 6" O.C.

PRODUCT REVISED
as complying with the Florida
Building Code 20-1215.05
Acceptance No. MAR 31 2026
Expiration Date
By *H. G. A. Miller*
Miami Date Product Control



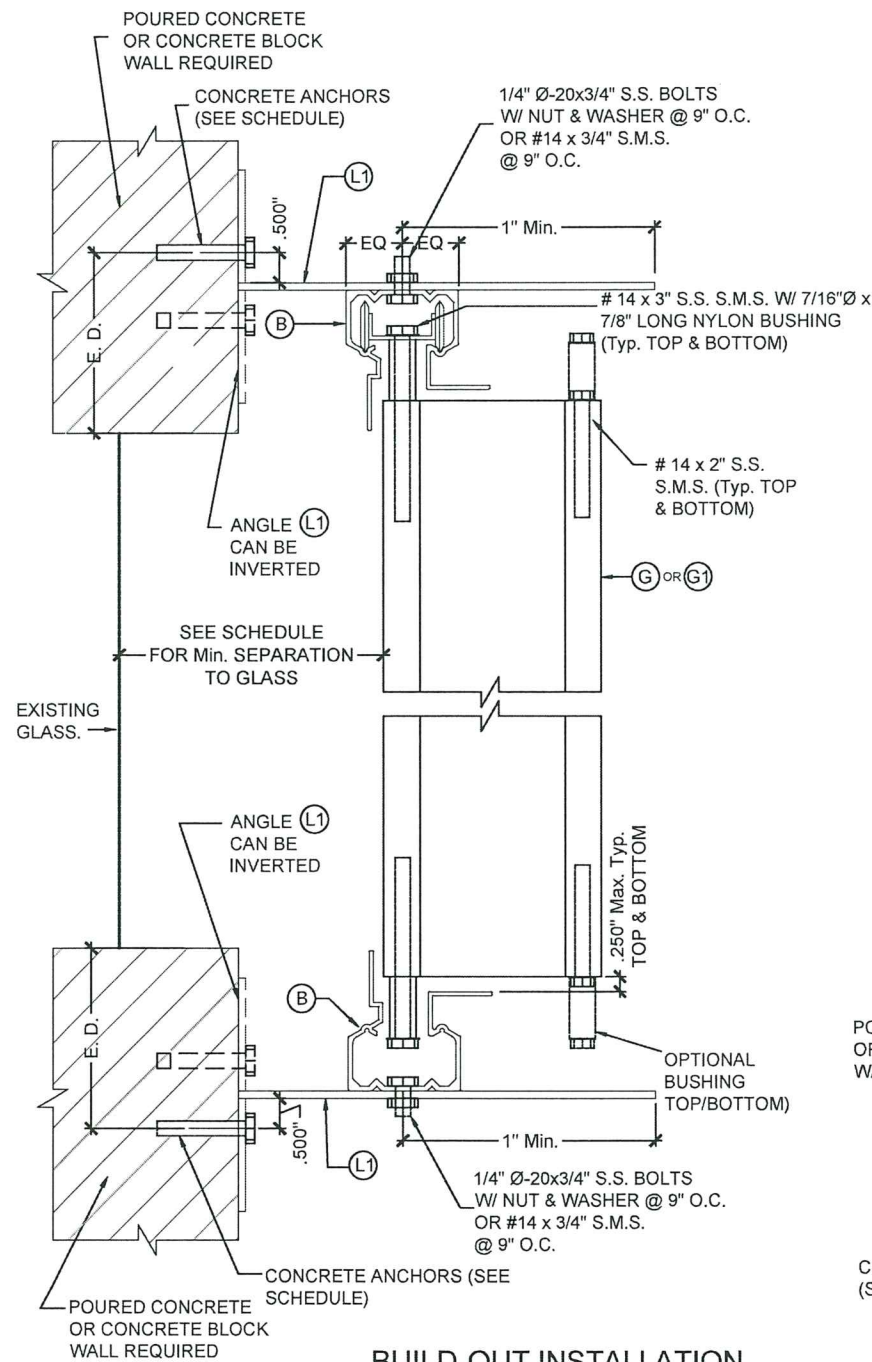
MIAMI DADE COUNTY

REVISIONS	
NO.	DESCRIPTION
1	08/05/10 AS PER BCCO COMMENTS
2	03/25/12 UPDATE TO 2010 FBC
3	03/20/15 UPDATE TO 2014 FBC
4	04/24/18 UPDATE TO 2017 FBC
4	09/28/20 UPDATE TO 2020 FBC

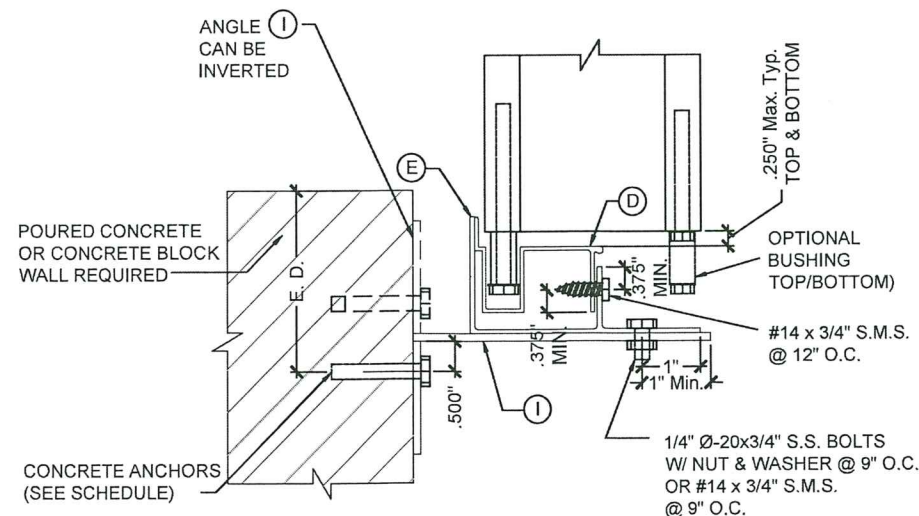
MCY MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 Miramar Parkway #301 P: (305) 271-0117 Miramar, FL 33027 www.MCYEngineering.com mcy@mcyengineering.com	
SYSTEM 2 ALUMINUM ACCORDION SHUTTER SHUTTERS DEPOT, LLC (H.P.M.A. #41) 1776W. 41 STREET HIALEAH, FL 33012 Tel: (305) 822-3575 Fax: (305) 822-3731	

DATE	11-10-20
SCALE	
DRAWN	J.S
PROJECT	10-04
DRAWING NO.	AD10-30
5 OF 11	

November 30th, 2020



**BUILD-OUT INSTALLATION
SECTION C**

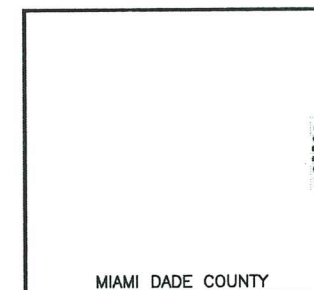


**BUILD-OUT INSTALLATION
SECTION C1**

**MAXIMUM DESIGN PRESSURE RATING "Pd" (PSF) AND CORRESPONDING
MAXIMUM ANCHOR SPACING (in.) SCHEDULE. +**

MAXIMUM DESIGN LOAD "Pd" (PSF)	SHUTTER SPAN (INCH)	SECTION C TOP/BOTTOM						SECTION C1 BOTTOM					
		SUBSTRATE CONCRETE			SUBSTRATE BLOCK			SUBSTRATE CONCRETE			SUBSTRATE BLOCK		
		ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE A1	ANCHOR TYPE B1	ANCHOR TYPE C1	ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE A1	ANCHOR TYPE B1	ANCHOR TYPE C1
60	60"	6	6	6	4	5.5	8.1	6	6	6	4	6	8.1
	78"	6	6	6	3	4.5	6.3	6	6	6	3	4.5	6.3
	96"	6	6	6	-	3.5	5.1	6	6	6	-	4	5.1
	120"	6	6	6	-	-	4.1	6	6	6	-	3	4.1
	144"	6	6	6	-	-	3.4	6	6	6	-	-	3.4
	154"	6	6	6	-	-	3.2	6	6	6	-	-	3.2
65	60"	6	6	6	3.7	5	7.5	6	6	6	3.7	5.5	7.5
	78"	6	6	6	-	4	5.8	6	6	6	-	4.5	5.8
	96"	6	6	6	-	3	4.7	6	6	6	-	3.5	4.7
	120"	6	6	6	-	-	3.8	6	6	6	-	-	3.8
	148"	6	6	6	-	-	3.1	6	6	6	-	-	3.1
70	60"	6	6	6	3.4	5	7	6	6	6	3.4	5.5	7
	78"	6	6	6	-	3.5	5.4	6	6	6	-	4	5.4
	96"	6	6	6	-	3	4.4	6	6	6	-	3	4.4
	120"	6	6	6	-	-	3.5	6	6	6	-	-	3.5
	143"	6	6	6	-	-	-	6	6	6	-	-	-
80	60"	6	6	6	-	4	6.1	6	6	6	-	4.5	6.1
	78"	6	6	6	-	3	4.7	6	6	6	-	3.5	4.7
	96"	6	6	6	-	-	3.8	6	6	6	-	3	3.8
	120"	6	6	6	-	-	3.1	6	6	6	-	-	3.1
	134"	6	5.5	6	-	-	-	6	6	6	-	-	-
100	60"	6	6	-	-	3.5	4.9	6	6	6	-	3.5	4.9
	78"	6	6	-	-	-	3.8	6	6	6	-	-	3.8
	96"	6	6	-	-	-	3.1	6	6	6	-	-	3.1
	120"	5	5	5.5	-	-	-	5	5.5	6	-	-	-
195	60"	5	5	5.5	-	-	-	5	5.5	6	-	-	-
	66"	4.5	4.5	5	-	-	-	5	5	5.5	-	-	-

PRODUCT REVISED
as complying with the Florida
Building Code 20-1215.05
Acceptance No.
Expiration Date MAR 31 2026
By *H. G. A. M.*
Miami Dade Product Control

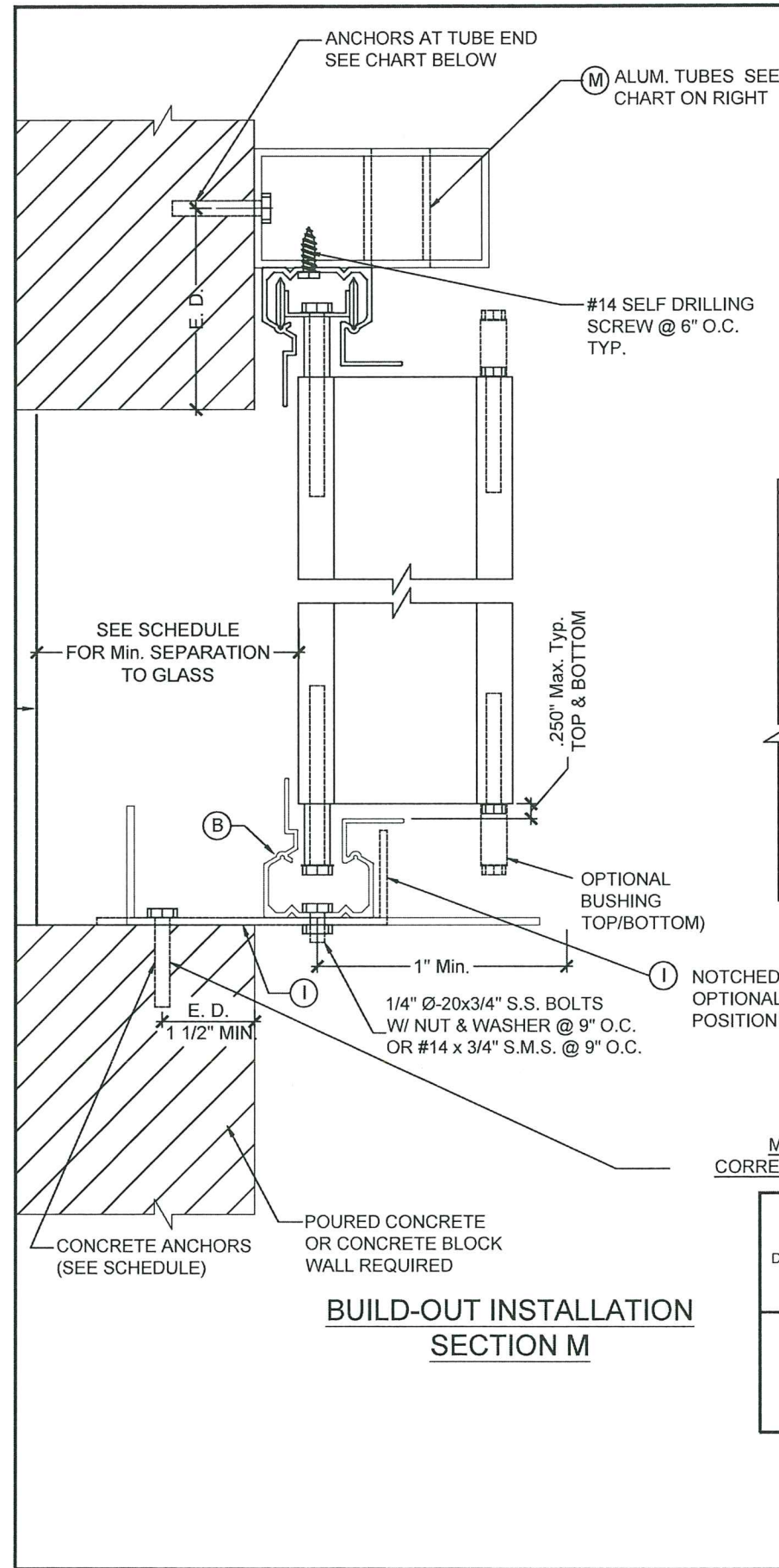


November 30th, 2020

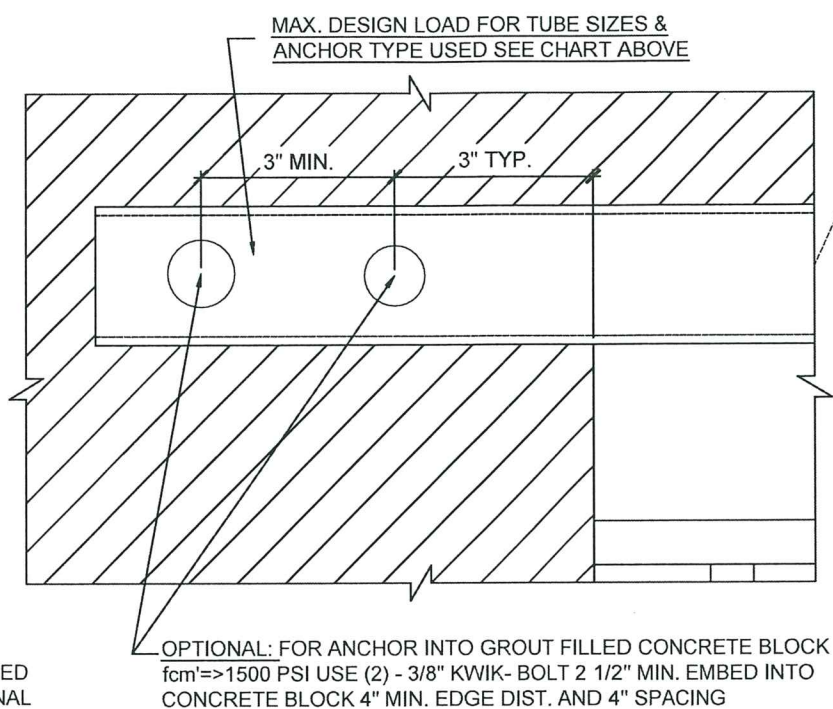
REVISIONS		DESCRIPTION	
NO.	DATE	DESCRIPTION	
1	09/25/10	AS PER BECO COMMENTS	
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MCY ENGINEERING, INC. GLAZING CONSULTANTS MCY		12781 Miramar Parkway #301 Miramar, FL 33027 P: (305) 271-0117 www.MCYEngineering.com
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SYSTEM 2 ALUMINUM ACCORDION SHUTTER SHUTTERS DEPOT, LLC (H.P.M.A. #41) 1776W. 41 STREET HIALEAH, FL 33012 Tel: (305) 822-3575 Fax: (305) 822-3731	DATE 11-10-20 SCALE DRAWN J.S. PROJECT 10-04 DRAWING NO. AD10-30 6 OF 11
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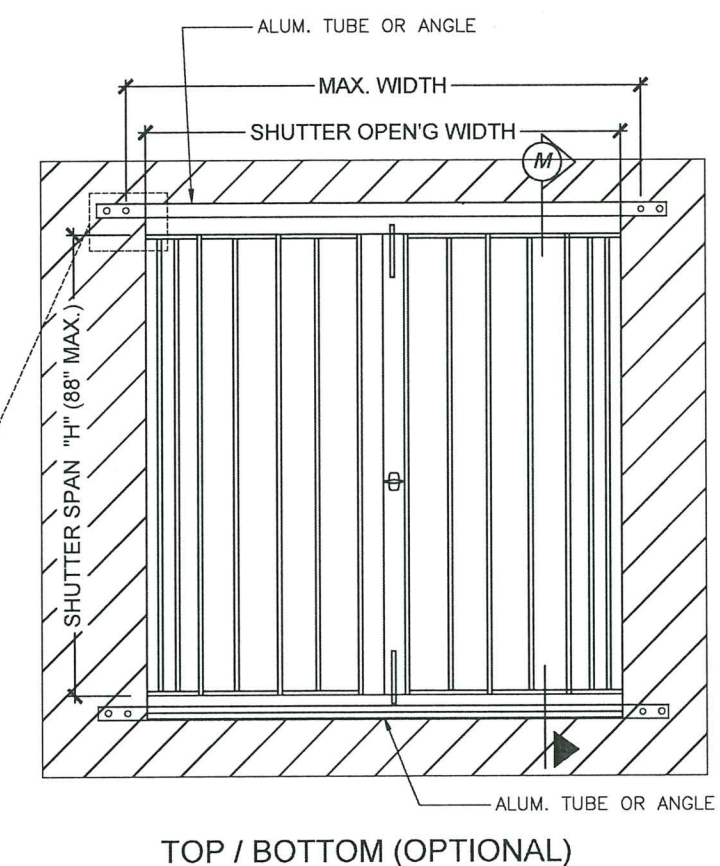


ALUM. TUBE SIZE	OPEN'G WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	
			ANCHOR TYPE "A"	ANCHOR TYPE "C"
2"x2"x1/8"	42"	88"	65	65
2"x3"x1/8"	60"	88"	65	65
2"x4"x1/8"	78"	88"	57.3	62
	78"	84"	60	65
	78"	77"	65	65

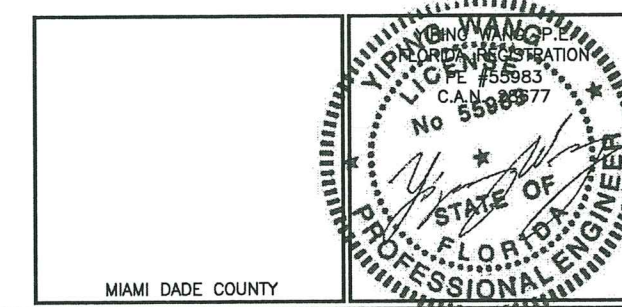


MAXIMUM DESIGN PRESSURE RATING "Pd" (PSF) AND
CORRESPONDING MAXIMUM ANCHOR SPACING (in.) SCHEDULE. +

MAXIMUM DESIGN LOAD "Pd" (PSF)	SHUTTER SPAN (INCH)	SECTION M BOTTOM	
		SUBSTRATE CONCRETE	
		ANCHOR SPACING (in.)	
		ANCHOR TYPE A	ANCHOR TYPE C
65	60"	8.5	9
	72"	7	7.5
	84"	6	6.5
	88"	5.5	6



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **20-1215.05**
Expiration Date **MAR 31 2026**
By *H. G. A. Miller*
Miami Dade Product Control



REVISIONS	
NO.	DESCRIPTION
1	09/05/10 AS PER BCCO COMMENTS
2	03/25/12 UPDATE TO 2010 FBC
3	03/20/15 UPDATE TO 2014 FBC
4	04/24/18 UPDATE TO 2017 FBC
4	02/28/20 UPDATE TO 2020 FBC

MCY

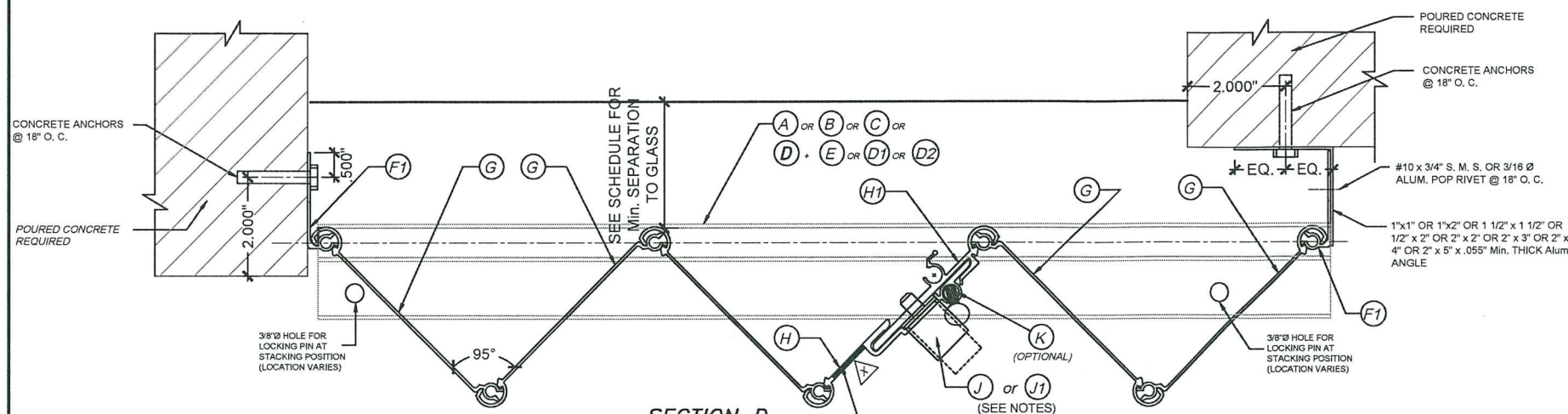
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 Miramar Parkway #301 P: (305) 271-0117
Miramar, FL 33027
www.MCYEngineering.com mcy@mcycyengineering.com

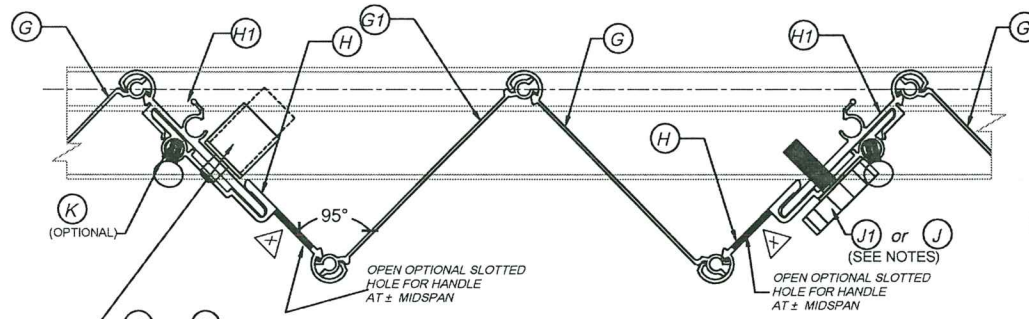
SYSTEM 2 ALUMINUM ACCORDION SHUTTER

SHUTTERS DEPOT, LLC (H.P.M.A. #41)
1776W. 41 STREET
HIALEAH, FL 33012
Tel: (305) 822-3575 Fax: (305) 822-3731

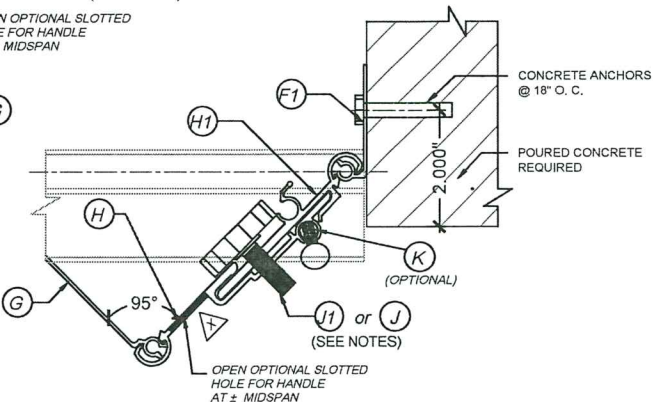
DATE	11-10-20
SCALE	
DRAWN	J.S
PROJECT	10-04
DRAWING NO.	AD10-30
	7 OF 11



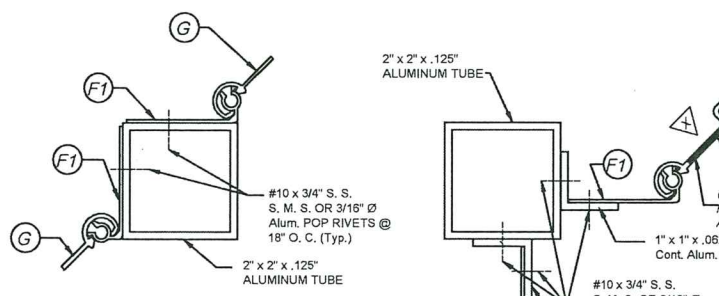
SECTION D
SCALE: 3/8" = 1"



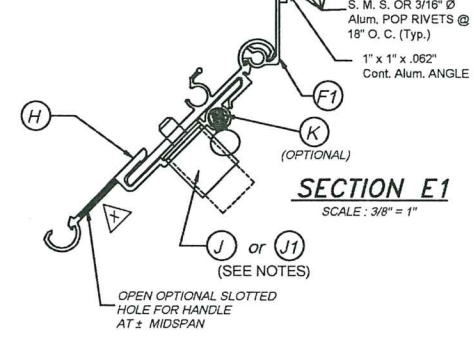
SECTION D1 (& MULTIPLE SHUTTERS)
SCALE: 3/8" = 1"



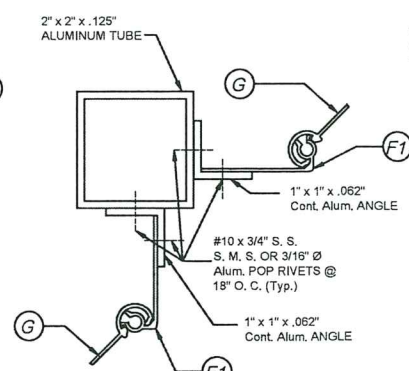
ONE SIDED SECTION: END CONNECTION DETAIL
SCALE: 3/8" = 1"



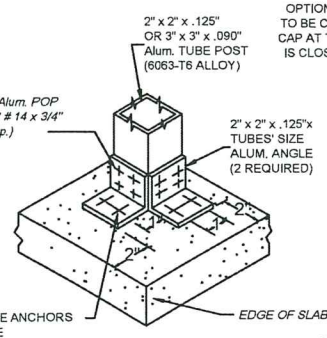
SECTION E
SCALE: 3/8" = 1"



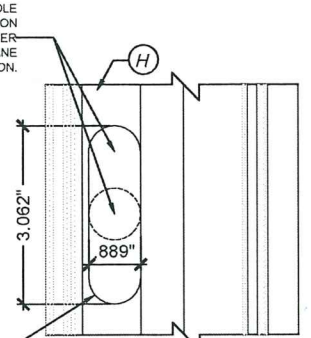
SECTION E1
SCALE: 3/8" = 1"



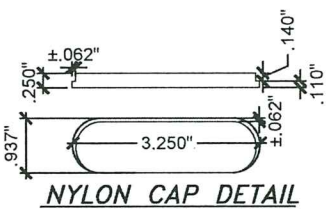
SECTION E2
SCALE: 3/8" = 1"



ISOMETRIC (CORNER POST)
(Typ. AT TOP & BOTTOM SLABS)



ELEVATION X



NYLON CAP DETAIL

NOTES FOR LOCKING OF (H) & (H1)

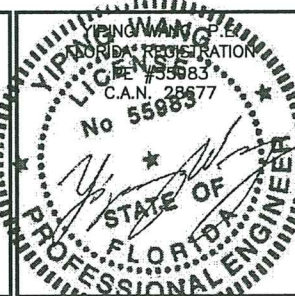
1-PUSH BOTTOM LOCK (J) MAY BE USED FOR INSTALLATIONS SECURED FROM THE OUTSIDE OR INSIDE OF SHUTTER. WHEN INSTALLING (J) FROM THE OUTSIDE, A 7/8"Ø HOLE SHALL BE DRILLED AT (H) AND (J) MUST BE RIVETED FROM THE BACK OF (H) TO THE FRONT W/ (2) 3/16"Ø ALUM. POP RIVETS. A 3/8"Ø HOLE MUST THEN BE DRILLED AT (H1) TO ALLOW FOR (J)'S PIN TO PASS THRU. WHEN INSTALLING (J) FROM THE INSIDE, (J) MUST BE RIVETED TO (H1) W/ (2) 3/16"Ø ALUM. POP RIVETS. A 3/8"Ø HOLE MUST THEN BE DRILLED THRU (H) AND (H1) TO ALLOW FOR (J)'S PIN TO PASS THRU.

2-5/16"x1" LOCK (J1) MAY BE USED ALTERNATIVELY TO (J) LOCK FOR INSTALLATIONS SECURED FROM THE OUTSIDE OR INSIDE OF SHUTTER. IN THIS CASE, A 5/16"Ø HOLE SHALL BE DRILLED THRU (H) AND (H1). HOLE DRILLED TO (H1) SHALL BE TAPPED TO ACCEPT 18 THREADS PER INCH MACHINE SCREW.

NOTE:
END CONDITIONS SHOWN CAN BE INTERCHANGEABLE.

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 20-1215
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By *Heidi A. Mohr*
Miami Dade Product Control

MIAMI DADE COUNTY



REVISIONS		DATE		DESCRIPTION	
1	08/05/10	AS PER BCCO COMMENTS			
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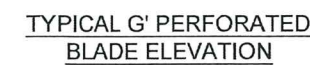
MCY ENGINEERING, INC.		GLAZING CONSULTANTS	
12781 Miramar Parkway #301		P: (305) 271-0117	
Miramar, FL 33027		www.MCYEngineering.com	

SYSTEM 2 ALUMINUM ACCORDION SHUTTER		SHUTTERS DEPOT, LLC (H.P.M.A. #41)	
1776W. 41 STREET		HIALEAH, FL 33012	
Tel: (305) 822-3575		Fax: (305) 822-3731	

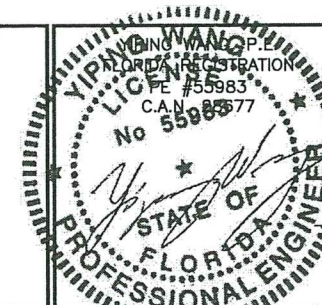
DATE	11-10-20
SCALE	
DRAWN	J.S
PROJECT	10-04
DRAWING NO.	AD10-30
8 OF 11	




SECTION S-S THRU G MALE/FEMALE BLADE

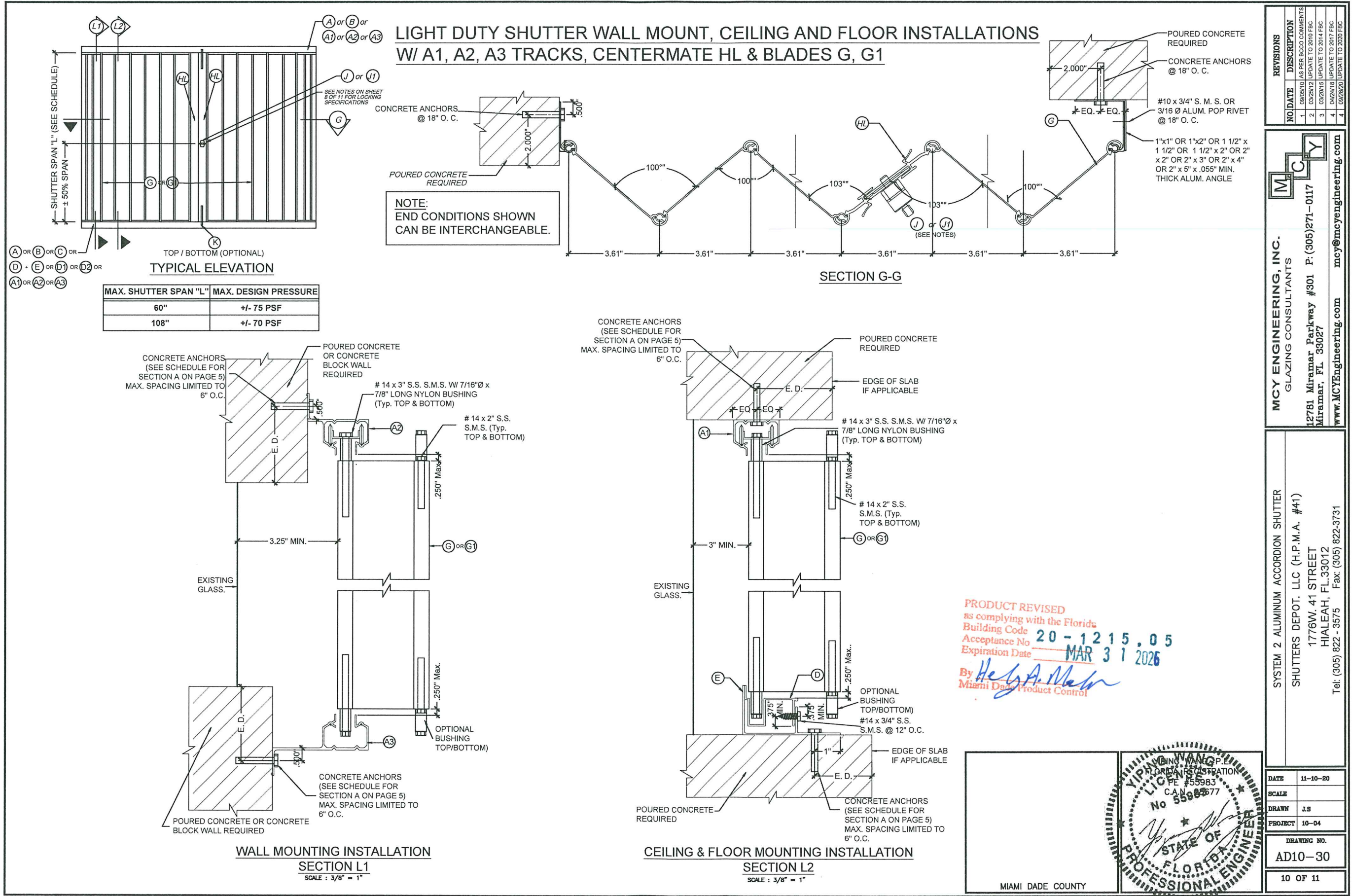


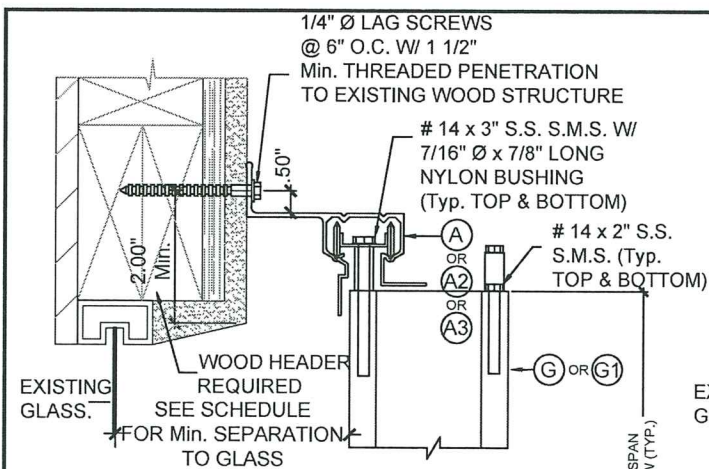
MIAMI DADE COUNTY



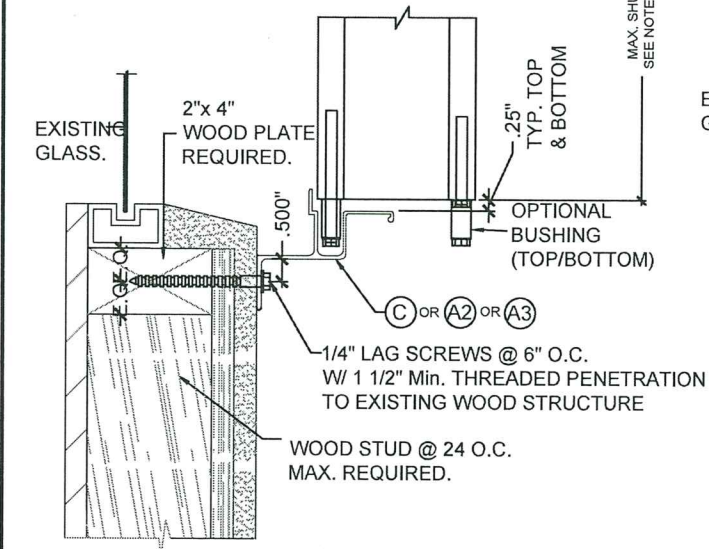
	MCY ENGINEERING, INC. GLAZING CONSULTANTS		12781 Miramar Parkway #301 P: (305)271-0117 Miramar, FL 33027		www.MCYEngineering.com mcy@mcyengineering.com	
	SYSTEM 2 ALUMINUM ACCORDION SHUTTER					
	SHUTTERS DEPOT. LLC (H.P.M.A. #41) 1776W. 41 STREET HIALEAH, FL.33012 Tel: (305) 822 - 3575 Fax: (305) 822-3731					
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DRAWN	J.S					
PROJECT	10-04					
DRAWING NO. AD10-30						
9 OF 11						

REVISIONS	
NO.	DATE DESCRIPTION
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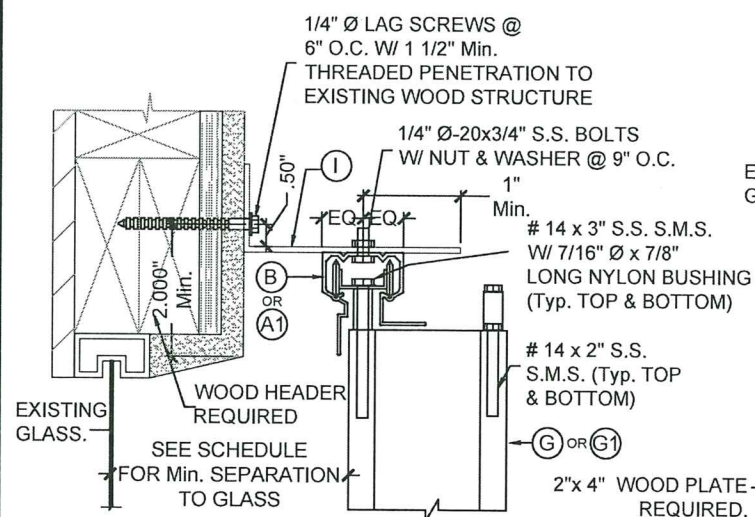




ALTERNATIVE 1



ALTERNATIVE 2



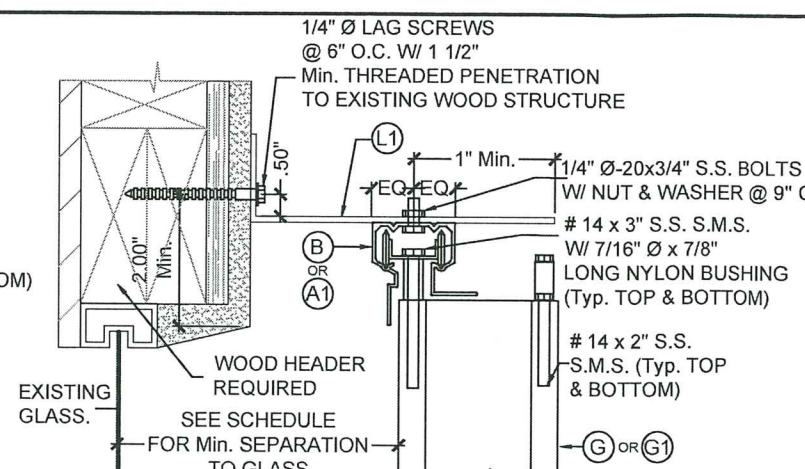
ALTERNATIVE 5

WALL MOUNTING INSTALLATION (OFFSET)

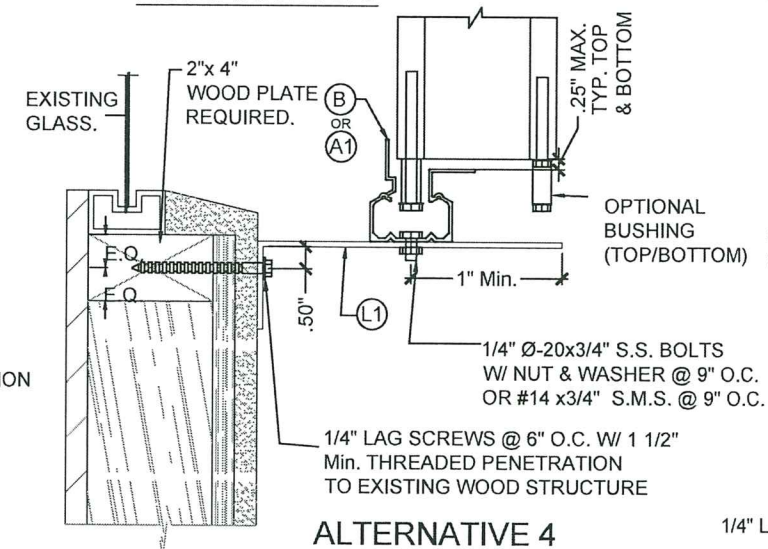
SECTIONS A

SCALE: 1/4"=1"

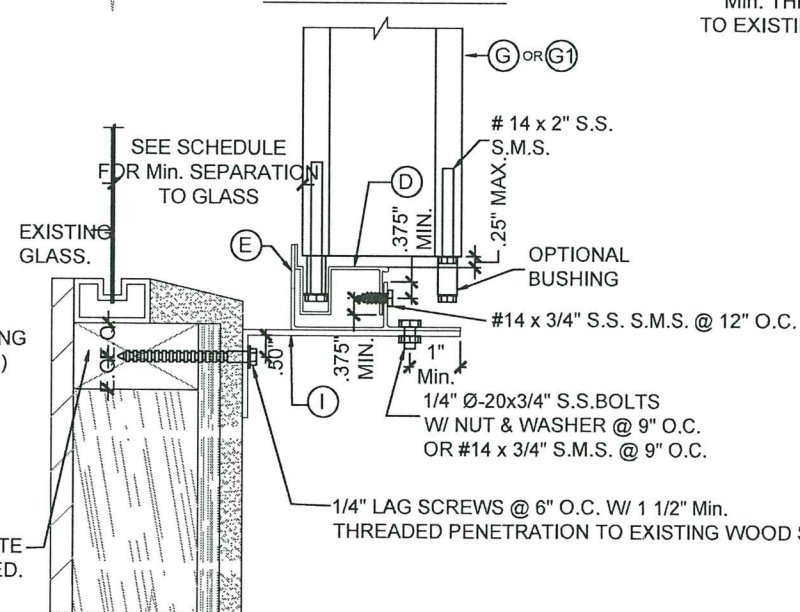
INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS



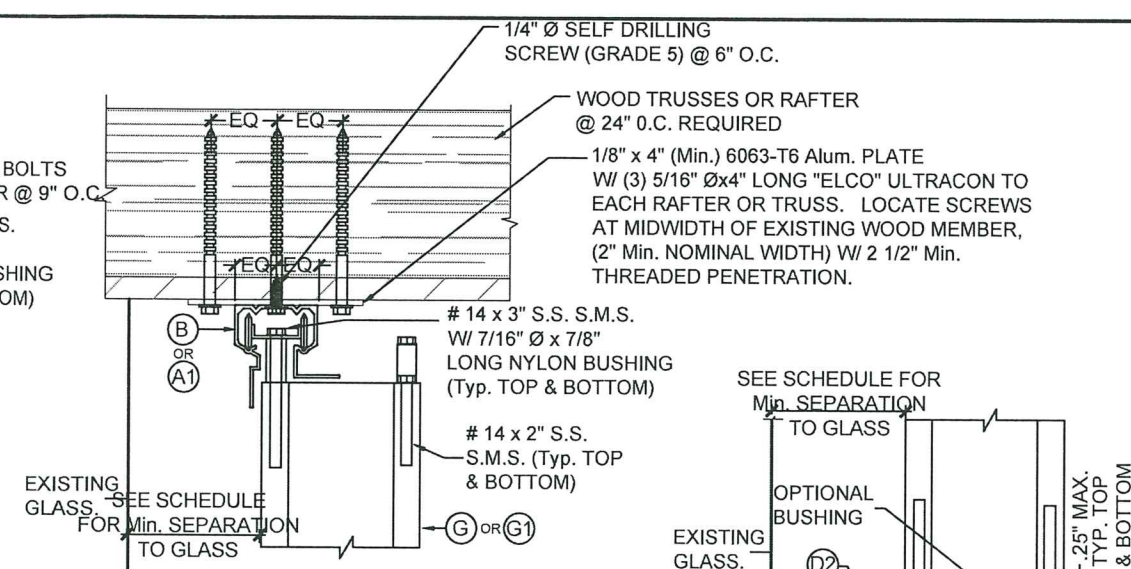
ALTERNATIVE 3



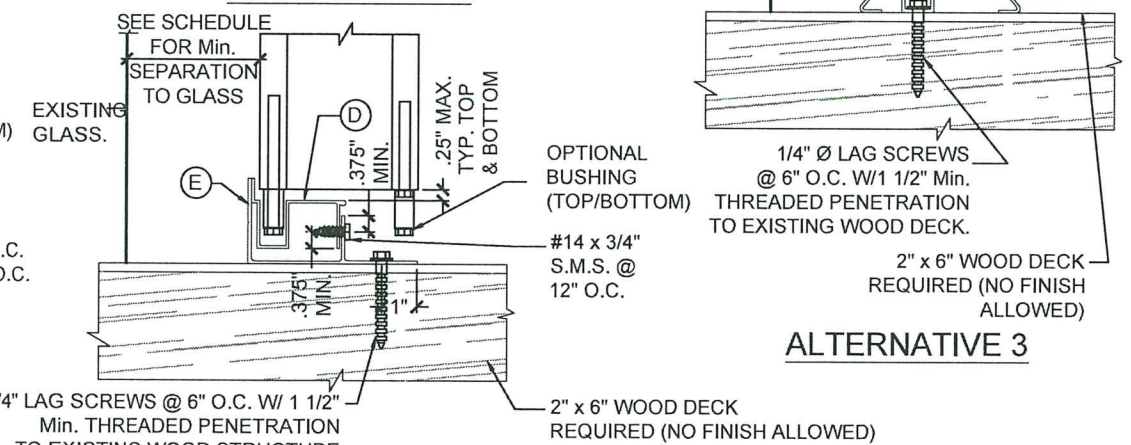
ALTERNATIVE 4



ALTERNATIVE 6



ALTERNATIVE 1



ALTERNATIVE 3

ALTERNATIVE 2

WALL MOUNTING INSTALLATION (OFFSET)

SECTIONS B

SCALE: 1/4"=1"

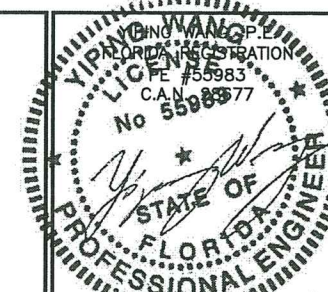
NOTE:
WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE
COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

NOTES:

1. INSTALLATIONS ARE ONLY VALID FOR INSTALLATIONS WITH DESIGN WIND LOADS LESS THAN OR EQUAL TO 70 p.s.f. AND 9'-0" Max. SHUTTER SPAN.
2. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL/GREATER.


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 20 - 1215.05
Expiration Date MAR 31 2026
By Hely A. Mota
Miami-Dade Product Control

MIAMI DADE COUNTY



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MCY ENGINEERING, INC.
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DRAWN	J.S
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DRAWING NO.
AD10-30

11 OF 11

November 30th, 2020