



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)

A & M Hurricane Protection, LLC
1050 E. 15th Street
Hialeah, Florida 33010

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: Superior Protection System Accordion Shutter

APPROVAL DOCUMENT: Drawing No. AD20-09, titled "Superior Protection System Accordion Shutter", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated March 26, 2024, signed and sealed by Yiping Wang, P.E., on March 26, 2024, bearing the Miami-Dade County Product Control Renewal 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 **renews NOA #24-0401.08** and consists of this page 1, evidence submitted pages E-1 and E-2 as well as approval document mentioned above.

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



Helmy A. Makar
05/08/25

NOA No. 25-0401.05
Expiration Date: 05/21/2030
Approval Date: 05/08/2025

A & M Hurricane Protection, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL NOA #20-0331.04

A. DRAWINGS

1. *Drawing No. AD20-09, titled "Superior Protection System Accordion Shutter", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated March 19, 2020, signed and sealed by Yiping Wang, P.E., on March 26, 2020.*

B. TESTS

1. *See Association's generic approval under 19-0353.*

C. CALCULATIONS

1. *See Association's generic approval under 19-0353.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *See Association's generic approval under 19-0353.*

F. STATEMENTS

1. *Release letter issued by the Aluminum Products Manufacturers Association, dated March 10, 2020, certifying this product to meet the criteria of product tested and approved, and allowing A & M Hurricane Protection LLC to use the test results approved under Miami Dade County Approval No. 19-0353, signed by Mr. Mario Callejas.*
2. *Acknowledgment letter by A & M Hurricane Protection LLC, dated March 17, 2020, signed by Mr. Jose Perez.*
3. *Letter by MCY Engineering, Inc., dated March 17, 2020, signed and sealed by Yipping Wang, P.E., certifying that the drawing (No. AD20-09) prepared for A & M Hurricane Protection LLC is engineering wise identical to A.P.M.A's generic drawing (No. AD19-01).*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL NOA #24-0401.08

A. DRAWINGS

1. *Drawing No. AD20-09, titled "Superior Protection System Accordion Shutter", sheets 1 through 10 of 10, prepared by MCY Engineering, Inc., dated March 26, 2024, signed and sealed by Yiping Wang, P.E., on March 26, 2024.*

B. TESTS

1. *See Association's generic approval under 23-0936.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 25-0401.05
Expiration Date: 05/21/2030
Approval Date: 05/08/2025

A & M Hurricane Protection, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *See Association's generic approval under 23-0936.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *See Association's generic approval under 23-0936.*

F. STATEMENTS

1. *Letter by MCY Engineering, Inc., dated March 26, 2024, signed and sealed by Yipping Wang, P.E., certifying that the drawing (No. AD20-09) prepared for A & M Hurricane Protection LLC is engineering wise identical to A.P.M.A's generic drawing (Association NOA 323-0936 that meets FBC, 2023 Edition).*

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TESTS

1. *See Association's generic approval under 23-0936.*

C. CALCULATIONS

1. *See Association's generic approval under 23-0936.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *See Association's generic approval under 23-0936.*

F. STATEMENTS

1. *Letter by MCY Engineering, Inc., dated March 26, 2024, signed and sealed by Yipping Wang, P.E., certifying that the drawing (No. AD20-09) prepared for A & M Hurricane Protection LLC is engineering wise identical to A.P.M.A's generic drawing (Association NOA #23-0936 that meets FBC, 2023 Edition).*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 25-0401.05
Expiration Date: 05/21/2030
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GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF 8TH EDITION FLORIDA BUILDING CODE 2023.
2. STAINLESS STEEL SHEET METAL SCREWS USED AT LOUVER PIN SHALL BE # 14 x 3", 410-HT MINIMUM SERIES W/ 135.0 ksi YIELD STRENGTH & 180 ksi TENSILE STRENGTH. SCREWS SHALL BE COATED WITH XYLAN 5000 SERIES FLUOROPOLYMER COATINGS AS MANUFACTURED BY WHITFORD Co, BOX 507. WEST CHESTER PA. 19381.
3. ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6 ALLOY WITH MINIMUM YIELD STRENGTH OF $F_y=31.0$ ksi.
4. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
5. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
6. WOOD BUCKS BY OTHERS MUST BE SOUTHERN PINE, $G = 0.55$ AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
7. ALL ALUMINUM POP RIVETS TO BE 5052 ALUMINUM ALLOY WITH ALUMINUM MANDREL.
8. BOLTS TO BE GALVANIZED OR STAINLESS STEEL WITH 36 ksi MINIMUM YIELD STRENGTH.
9. SHUTTER'S COMPONENTS ARE PATENT PENDING.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. THIS SHUTTER SHALL ONLY BE ATTACHED TO CONCRETE, BLOCK OR WOOD FRAME BUILDINGS.
11. A PERMANENT SHUTTER MANUFACTURER'S LABEL SHALL BE PLACED ON THE EXPOSED SURFACE OF THE FEMALE CENTER MATE BLADE (COMPONENT H). ONE LABEL SHALL BE PLACED FOR EVERY OPENING.
LABEL SHALL READ AS FOLLOWS:
"SUPERIOR PROTECTION SYSTEM / AS"
A&M HURRICANE PROTECTION
HIALEAH, FLORIDA
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
TEST REPORT TAS-201, 202 & 203.
12. (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS PRODUCT APPROVAL PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. ENGINEER OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) THIS P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.
13. ULTIMATE LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.

TYPICAL ANCHORS: (SEE CHARTS FOR ANCHOR SPACING)

TYPE A. 1/4" DIA. ITW TAPCON BY ITW BUILDEX
 $F_u = 120$ KSI, $F_y = 92$ KSI
INTO CONCRETE $f_c'=3000$ PSI
1-3/4" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE

TYPE A1. INTO CONCRETE BLOCK
1-1/4" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE

TYPE B. 1/4"-20 CALK-IN BY 'POWERS' FASTENERS
INTO CONCRETE $f_c'=3000$ PSI
7/8" MIN. EMBED
3" MIN. EDGE DISTANCE

TYPE B1. INTO CONCRETE BLOCK
7/8" MIN. EMBED
3" MIN. EDGE DISTANCE

TYPE C. 1/4" CRETE-FLEX SS4 MASONRY ANCHOR BY "ELCO" CONSTRUCTION PRODUCTS
 $F_u = 120$ KSI, $F_y = 92$ KSI
INTO CONCRETE $f_c'=3000$ PSI
1 3/4" MIN. EMBED
2 1/2" MIN. EDGE DISTANCE

TYPE C1. INTO CONCRETE BLOCK
1 1/4" MIN. EMBED
2 1/2" MIN. EDGE DISTANCE

NOTES:

WHEN EDGE DISTANCE EQUAL OR GREATER THAN 2" AND LESS THAN MIN. EDGE DISTANCE SPECIFIED ABOVE THE ANCHOR SPACE IN ANCHOR CHARTS ON THE DRAWINGS MUST MULTIPLY BY FOLLOWING REDUCTION FACTOR:

ANCHOR TYPE A, & A1: REDUCTION FACTOR = 0.77
ANCHOR TYPE B & B1: REDUCTION FACTOR = 0.50
ANCHOR TYPE C & C1: REDUCTION FACTOR = 0.77

PLEASE NOTE THIS INSTALLATION ARE ONLY VALID FOR THE RESULTING ANCHOR SPACE EQUAL OR GREATER THAN 3".

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 25-0401.05
Expiration Date 05/21/2030
By He G. P. Ma
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 24-0401.08
Expiration Date 05/21/2025
By He G. P. Ma
Miami Dade Product Control
MIAMI DADE COUNTY

March 26th, 2024

REVISIONS

NO.	DATE	DESCRIPTION
R2	03.26.2024	FBC 2023

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224

MIRAMAR, FL 33027 P: 305.271.0117

www.MCYEngineering.com mcy@mcyengineering.com

SUPERIOR PROTECTION SYSTEM / AS (A.P.M.A.)

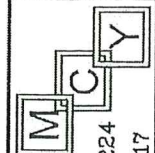
A&M HURRICANE PROTECTION

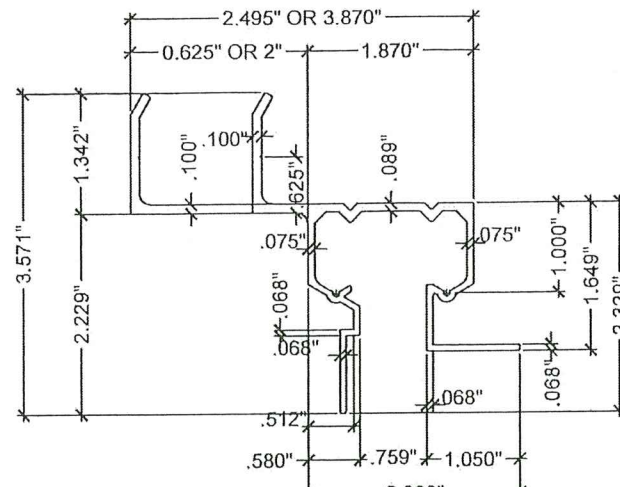
1050 E. 15TH STREET

HIALEAH, FL 33010

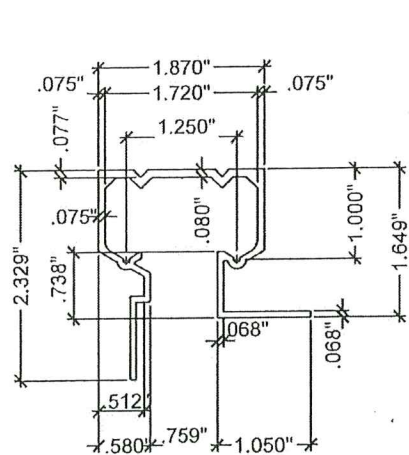
Tel: 305-885-0678

DATE	03.26.2024
SCALE	AS SHOWN
DRAWN	JAMES
PROJECT	
DRAWING NO.	AD20-09
	1 OF 10

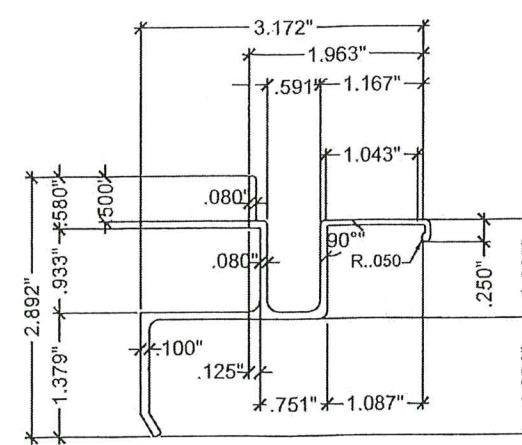




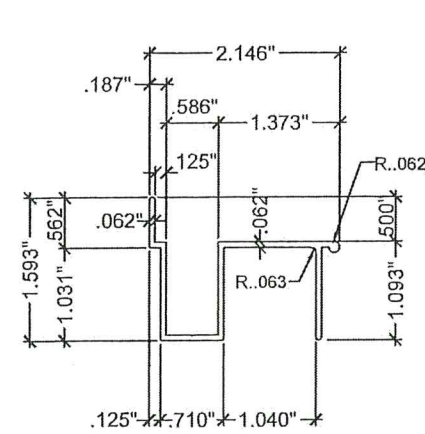
(A) WALL HEADER (& INVERTED)
SPA001 / SPA009



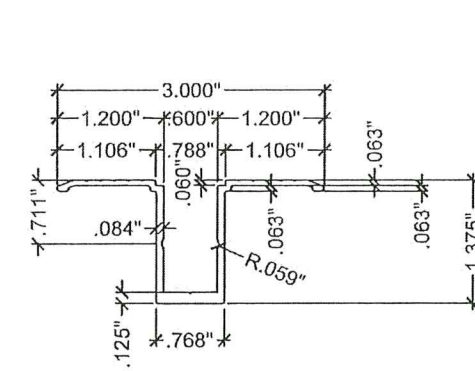
(B) CEILING HEADER
SPA010



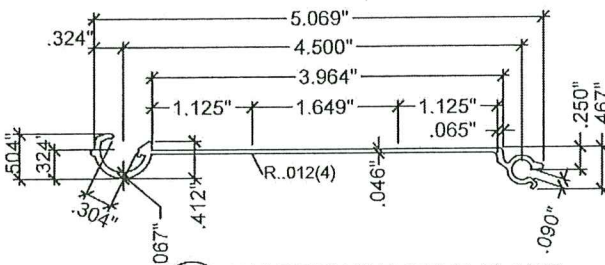
(C) WALL SILL
SPA008



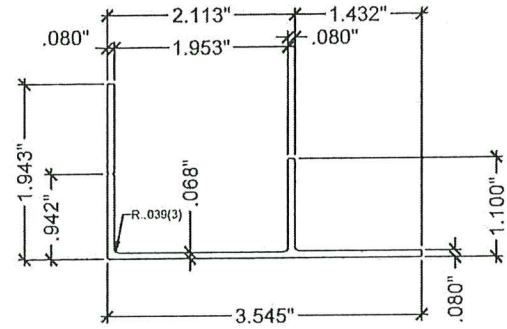
(D) FLOOR SILL
SPA007



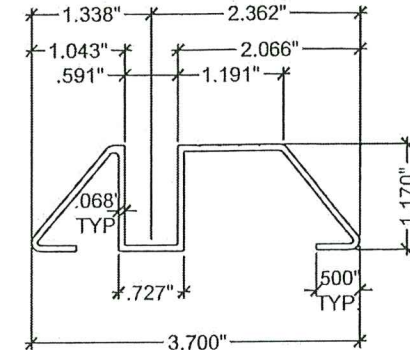
(D1) FLOOR SILL
SPA012



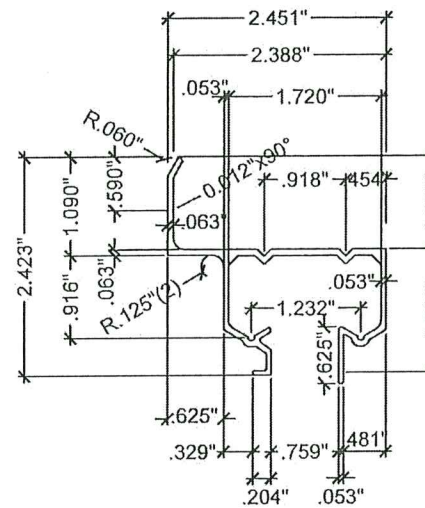
(G) MALE/FEMALE SOLID BLADE
SPA002



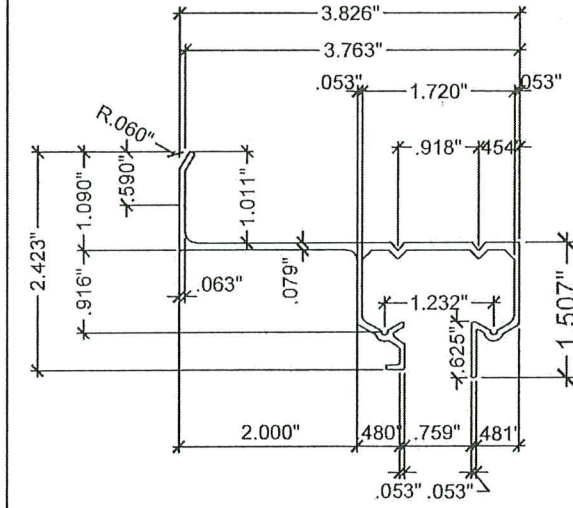
(E) ADJUSTABLE SILL ADAPTOR
SPA006



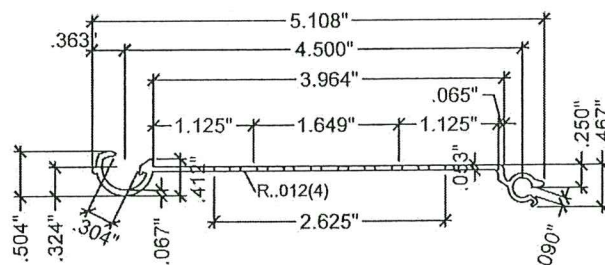
(D2) THRESHOLD TRACK
SPA011



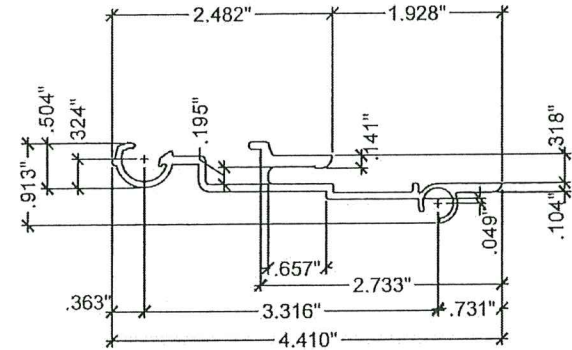
(A2) WALL HEADER (& INVERTED)
LIGHT DUTY SPA014



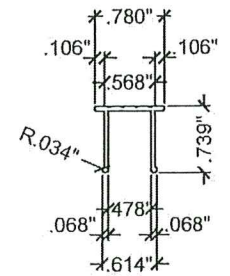
(A3) WALL HEADER (& INVERTED)
LIGHT DUTY SPA015



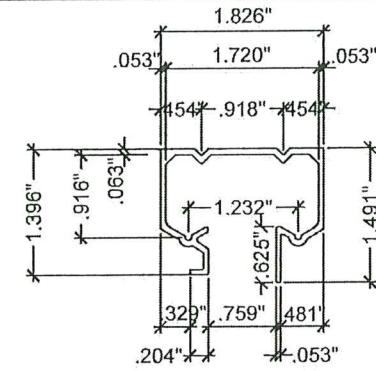
(G') MALE/FEMALE PERFORATED BLADE
SPA002-PERF



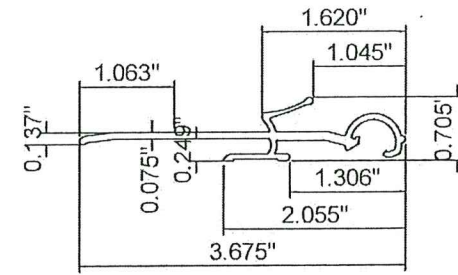
(H) FEMALE CENTERMATE BLADE
SPA003



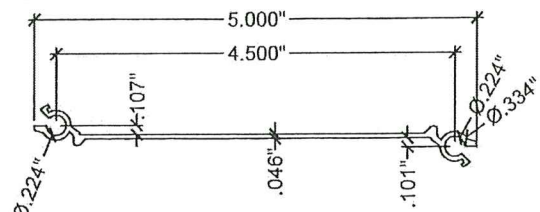
(N) SNAP COVER
SPA013



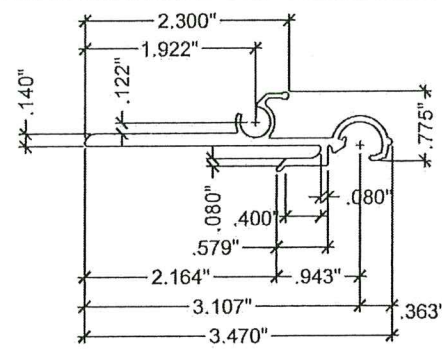
(A1) CEILING HEADER (& INVERTED)
LIGHT DUTY SPA016



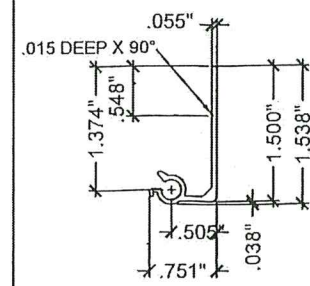
(HL) CENTER MATE
LIGHT DUTY SPA017



(G1) MALE/MALE SOLID BLADE
SPA002-MM



(H1) MALE CENTERMATE BLADE
SPA004



(F1) 180° STARTER
SPA005

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0401.05
Expiration Date 05/21/2030
By *Hedy A. Mohr*
Miami Dade Product Control

COMPONENTS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-0401.08
Expiration Date 05/21/2025
By *Hedy A. Mohr*
Miami Dade Product Control

MIAMI DADE COUNTY

YIPING WANG
FLORIDA REGISTRATION
No. 55983
C.A.N. 559877
STATE OF FLORIDA
PROFESSIONAL ENGINEER

March 26th, 2024

REVISIONS	NO.	DATE	DESCRIPTION
	R2	03.26.2024	FBC 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

MCY

12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027 P: 305.271.0117
www.MCYEngineering.com mcy@mcyengineering.com

SUPERIOR PROTECTION SYSTEM / AS (A.P.M.A.)

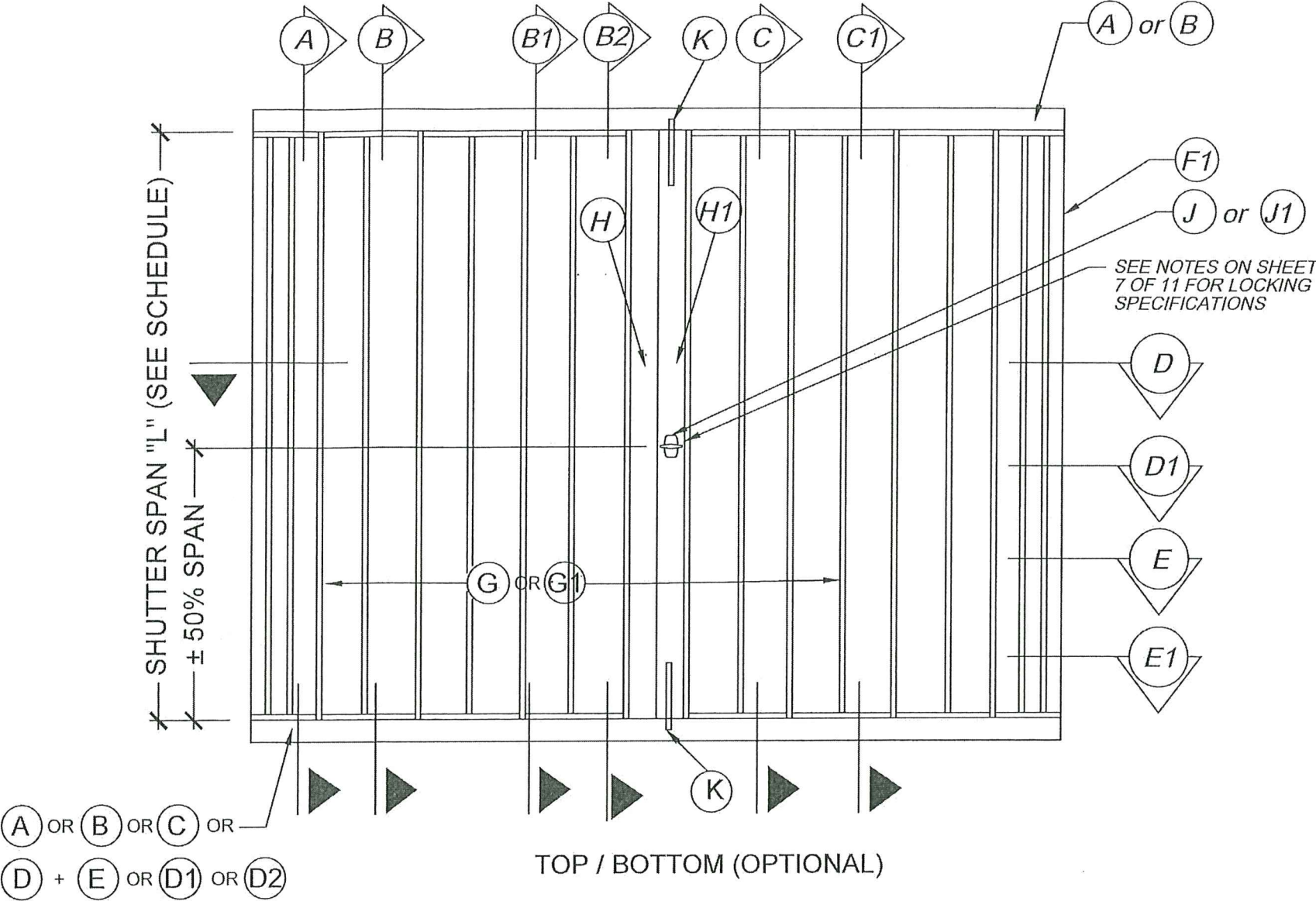
A&M HURRICANE PROTECTION

1050 E. 15TH STREET
HIALEAH, FL 33010
Tel: 305-885-0678

DATE	03.26.2024
SCALE	AS SHOWN
DRAWN	JAMES
PROJECT	
DRAWING NO.	AD20-09
2 OF 10	

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

MAXIMUM DESIGN LOAD "Pd" (PSF)	MAXIMUM SHUTTER SPAN FOR ALL SECTIONS		MINIMUM SEPARATION TO GLASS (in.) ALL SECTIONS
	Max. PANEL LENGTH L+ (ft.)	Max. PANEL LENGTH L- (ft.)	
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



TYPICAL ELEVATION

N.T.S.

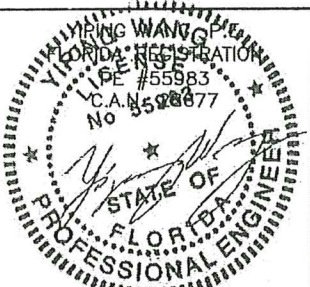
INSTRUCTION:

- 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 3. MAX. DESIGN LOAD FROM CHART HAS TO BE GREATER THAN DESIGN WIND LOAD FROM STEP 1.
- STEP 3** USING CHARTS ON SHEET 4 THRU SHEET 10 SELECT ANCHOR TYPE AND SPACING BASED ON DESIGN LOAD AND SHUTTER SPAN FOR THE ANCHOR DETAIL USED.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0401.05
Expiration Date 05/24/2030
By *H. A. Miller*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-0401.08
Expiration Date 05/24/2025
By *H. A. Miller*
Miami Dade Product Control

MIAMI DADE COUNTY



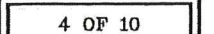
March 26th, 2024

REVISIONS	NO.	DATE	DESCRIPTION
	1	03.26.2024	PTC 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12761 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027 P: 305.271.0117
www.MCYEngineering.com mcy@mcyengineering.com

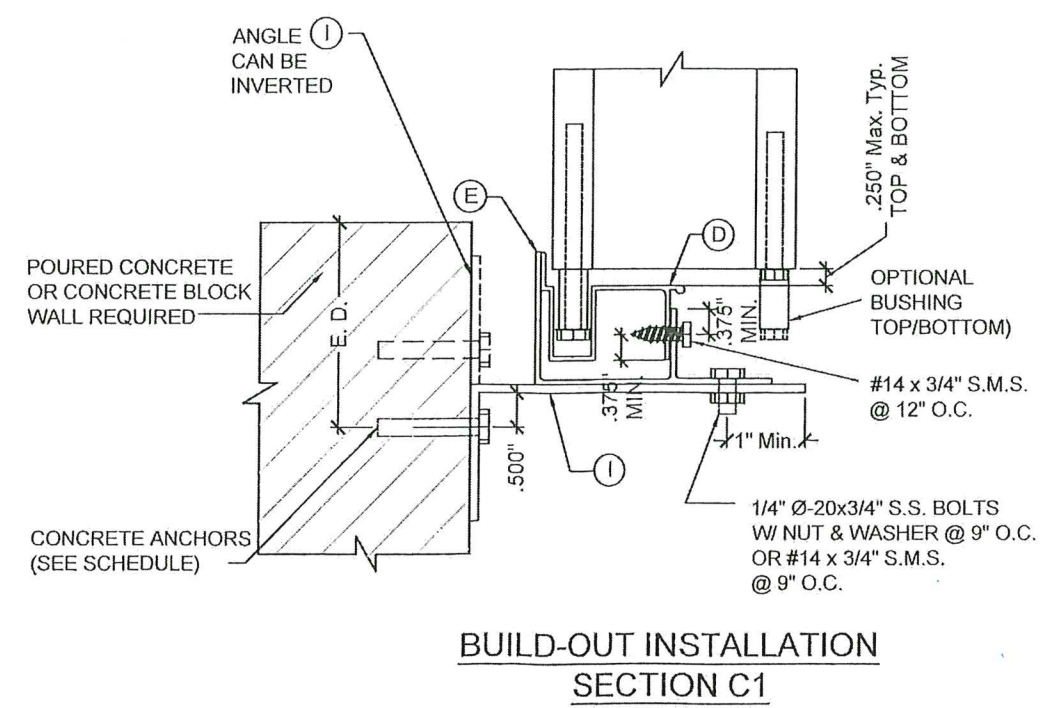
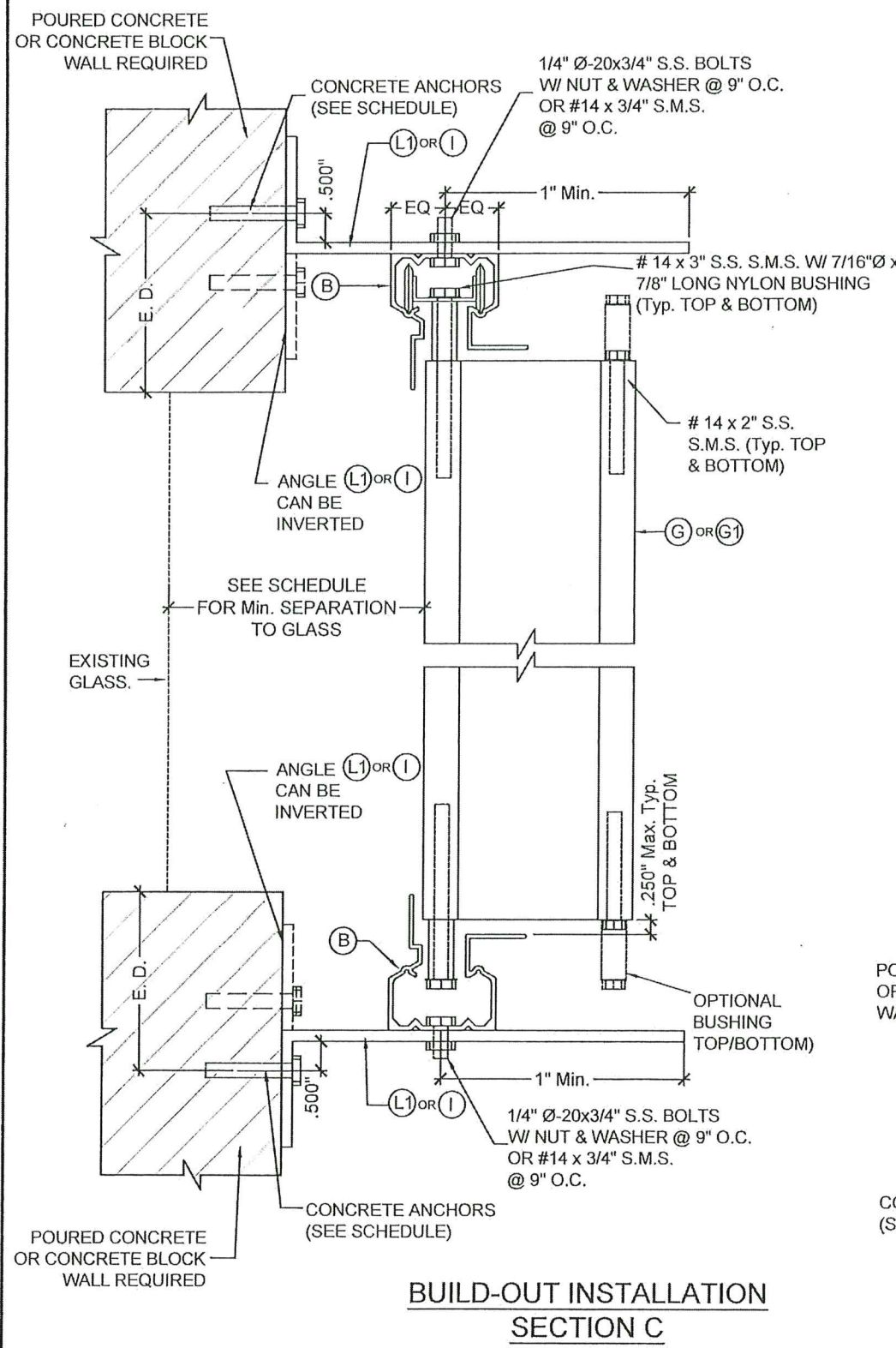
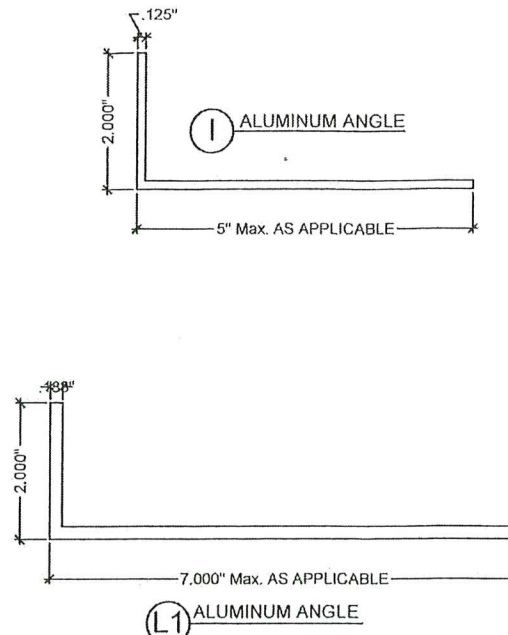
SUPERIOR PROTECTION SYSTEM / AS (A.P.M.A.)
A&M HURRICANE PROTECTION
1050 E. 15TH STREET
HIALEAH, FL 33010
Tel: 305-885-0678

DATE	03.26.2024
SCALE	AS SHOWN
DRAWN	JAMES
PROJECT	
DRAWING NO.	AD20-09
3 OF 10	



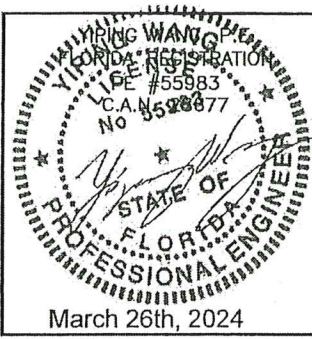
MAXIMUM DESIGN PRESSURE RATING "Pd" (PSF) AND CORRESPONDING
MAXIMUM ANCHOR SPACING (in.) SCHEDULE. +

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 RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0401.05
Expiration Date 05/21/2030
By *Helga A. Miller*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-0401.05
Expiration Date 05/21/2025
By *Helga A. Miller*
Miami Dade Product Control



REVISIONS

NO.	DATE	DESCRIPTION
R2	03.26.2024	FBC 2023

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

12761 MIRAMAR PKWY. STE. 301 P. 305.588.5224

MIRAMAR, FL 33027 P. 305.271.0117

www.MCYEngineering.com mcy@mcyeengineering.com

SUPERIOR PROTECTION SYSTEM / AS (A.P.M.A.)

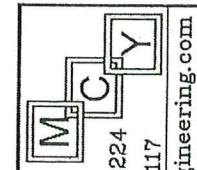
A&M HURRICANE PROTECTION

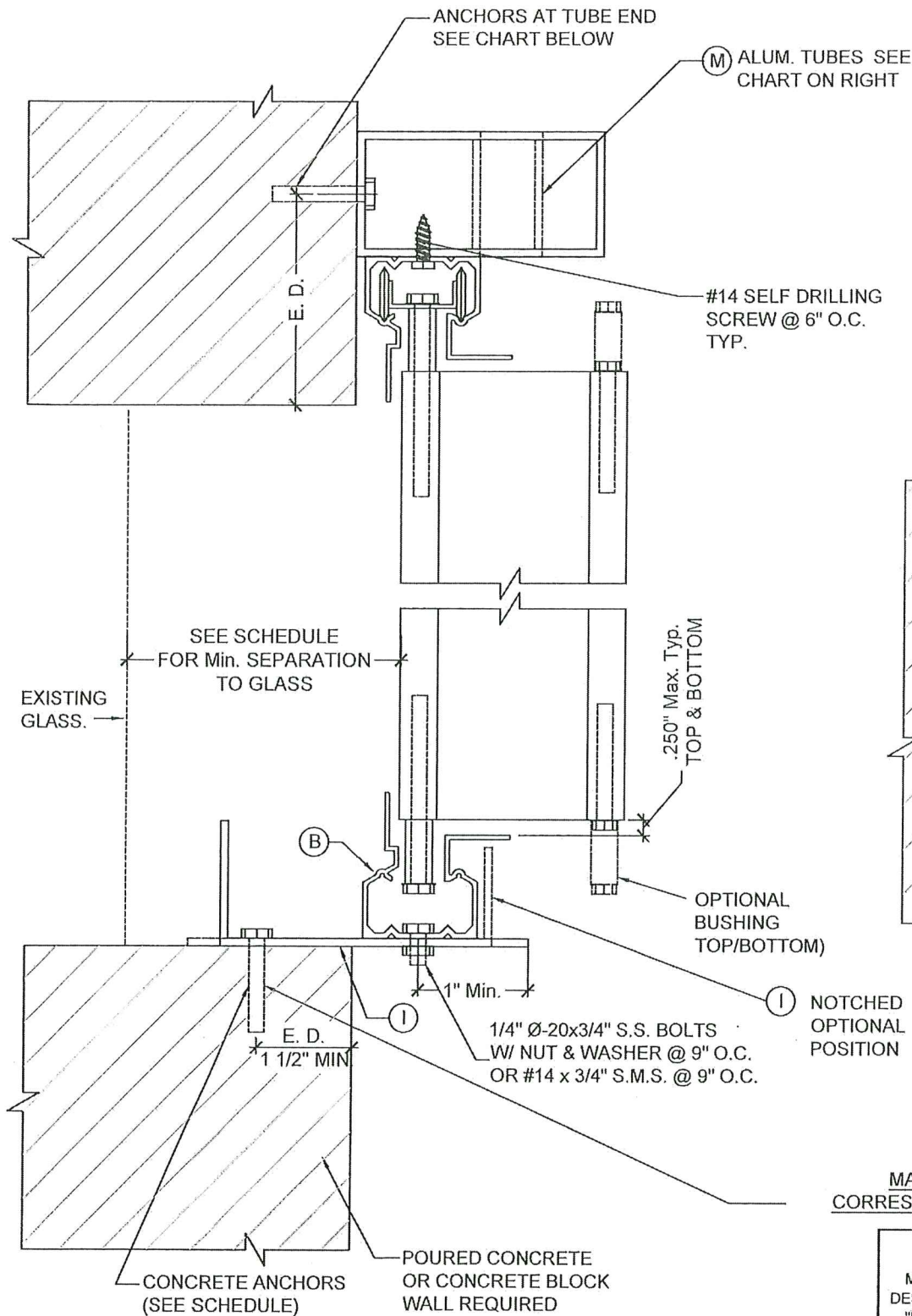
1050 E. 15TH STREET

HIALEAH, FL 33010

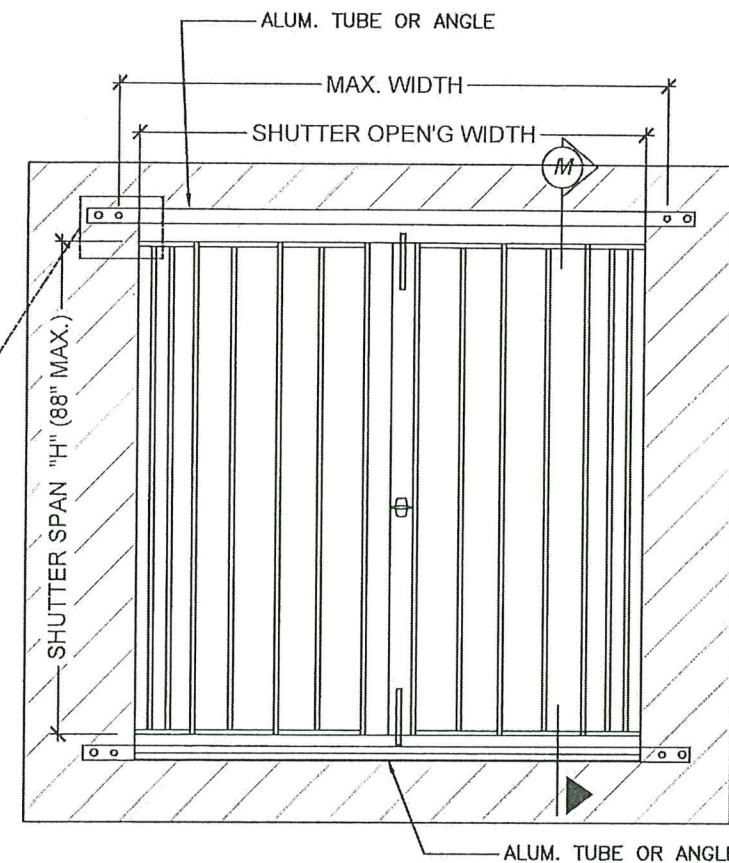
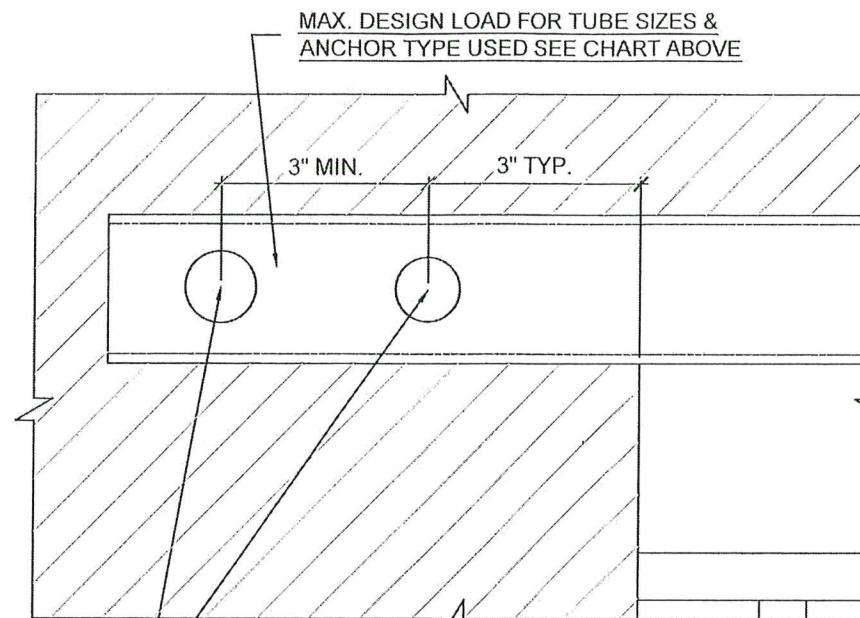
Tel: 305-885-0678

DATE	03.26.2024
SCALE	AS SHOWN
DRAWN	JAMES
PROJECT	
DRAWING NO.	AD20-09
5 OF 10	

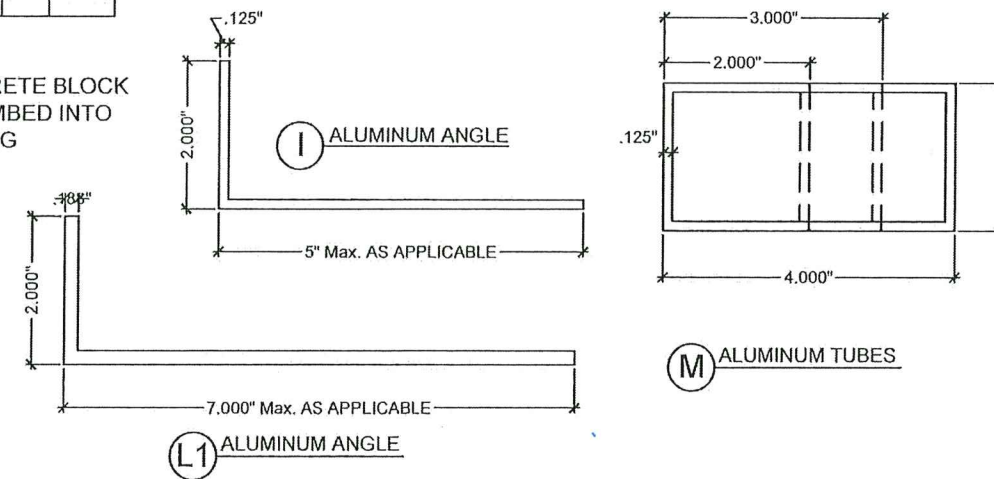




ALUM. TUBE SIZE	OPEN'G WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	
			ANCHOR TYPE "A"	ANCHOR TYPE "C"
2"x2"x1/8"	42"	88"	65	65
2"x3"x1/8"	60"	88"	65	65
2"x4"x1/8"	78"	88"	57.3	62
	78"	84"	60	65
	78"	77"	65	65



TOP / BOTTOM (OPTIONAL)



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

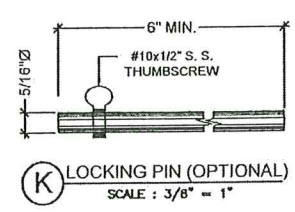
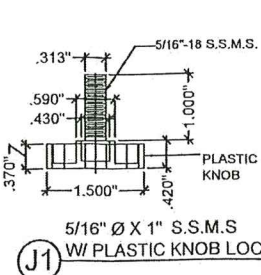
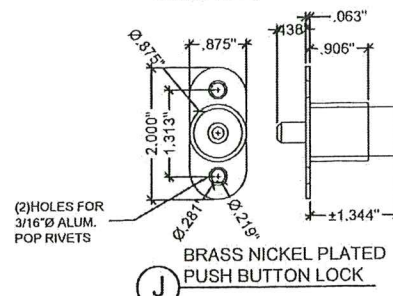
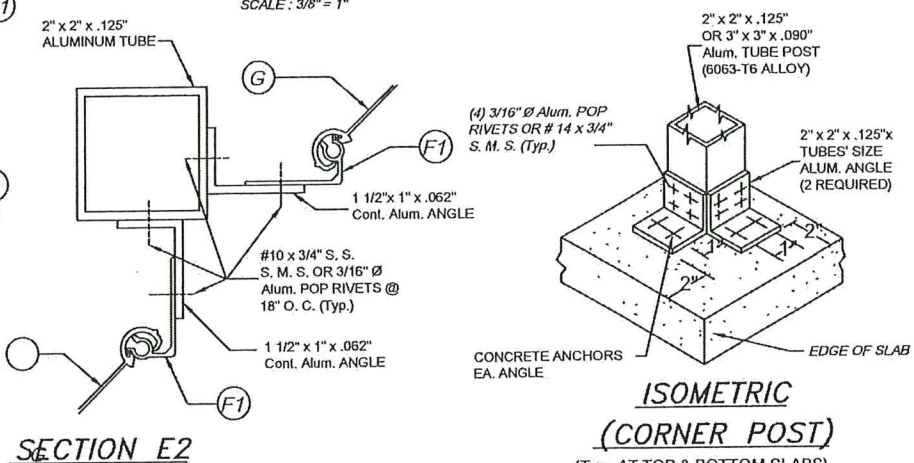
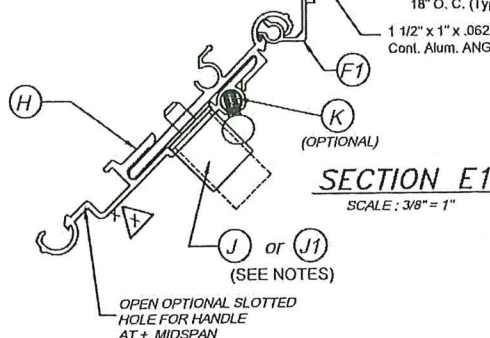
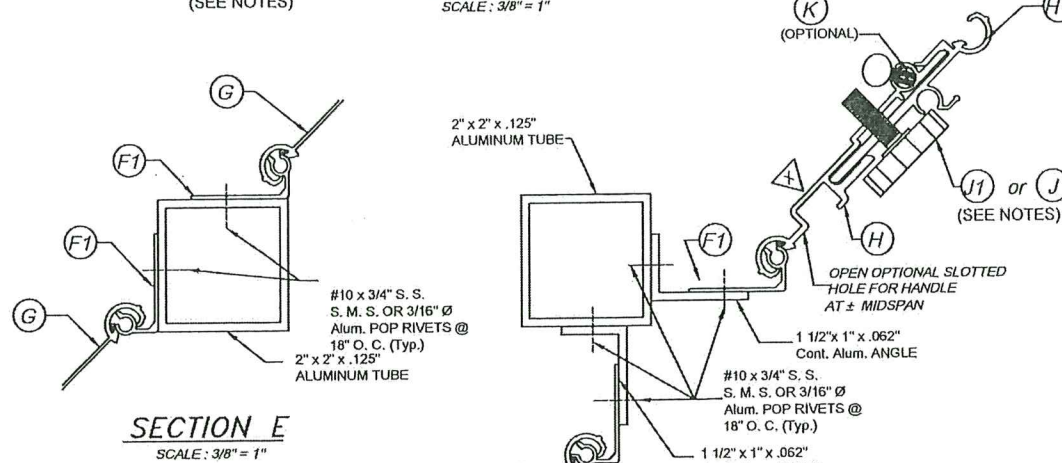
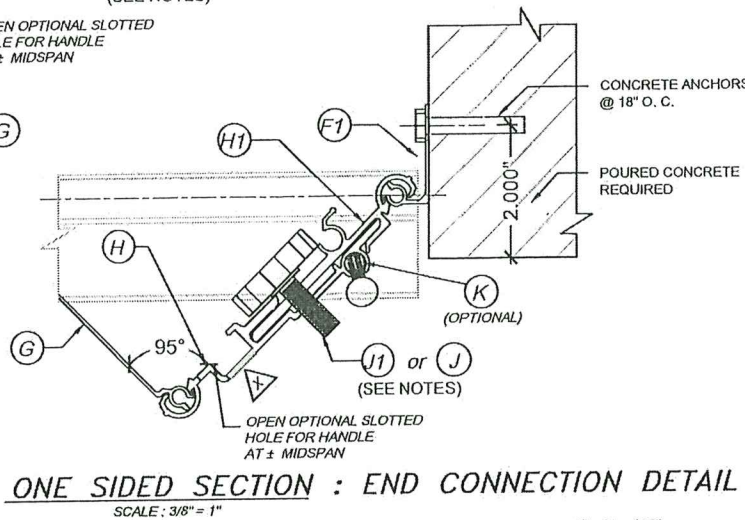
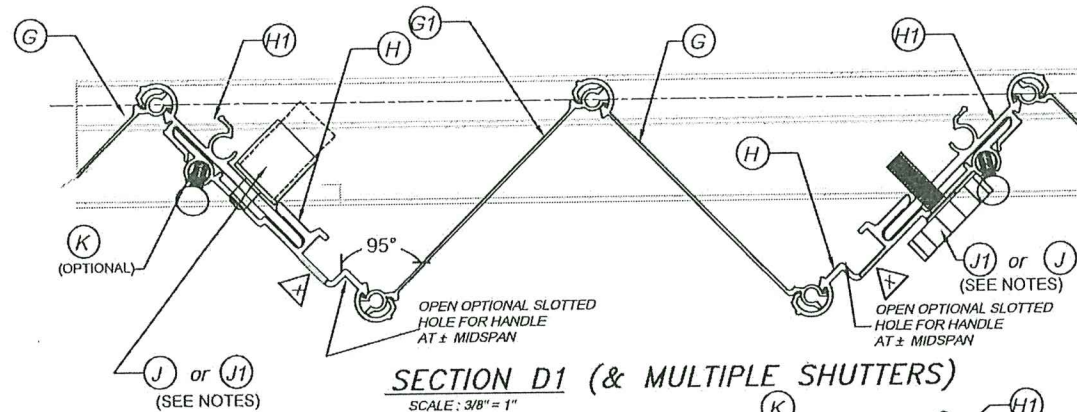
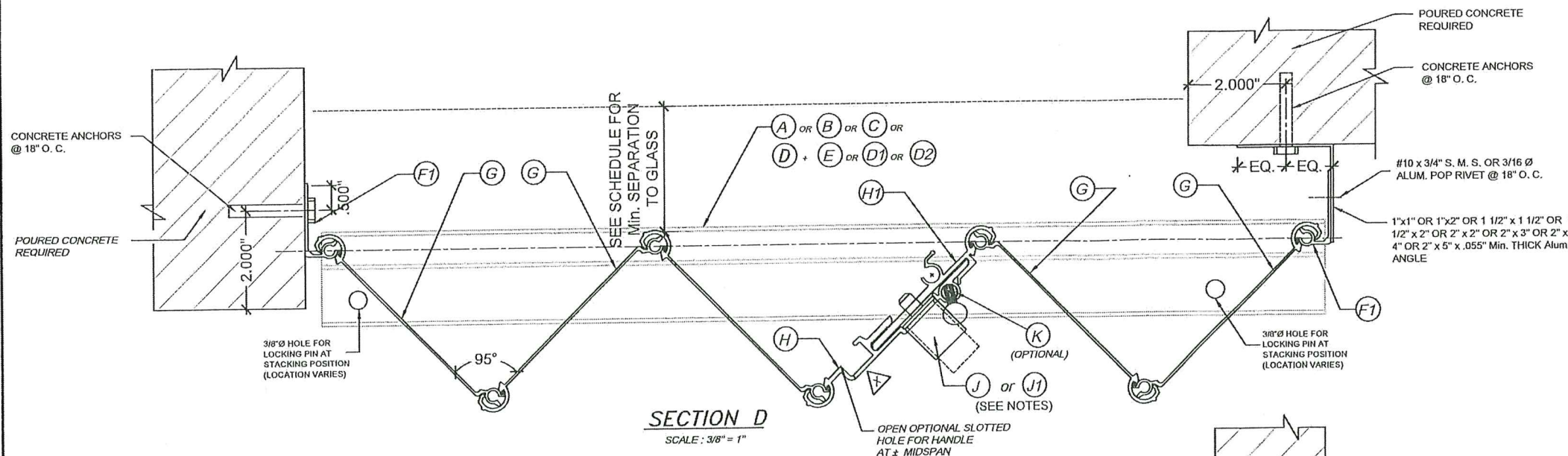
BUILD-OUT INSTALLATION
SECTION M

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0401.05
Expiration Date 05/24/2030
By *Healy A. Mahr*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 25-0401.05
Expiration Date 05/24/2030
By *Healy A. Mahr*
Miami Dade Product Control
MIAMI DADE COUNTY

Professional Engineer
STATE OF FLORIDA
March 26th, 2024

REVISIONS NO. DATE DESCRIPTION R2 03.26.2024 FBC 2023	
MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224 MIRAMAR, FL 33027 P: 305.271.0117 www.MCYEngineering.com mcy@mcyengineering.com	
SUPERIOR PROTECTION SYSTEM / AS (A.P.M.A.) A&M HURRICANE PROTECTION 1050 E. 15TH STREET HIALEAH, FL 33010 Tel: 305-885-0678	
DATE 03.26.2024 SCALE AS SHOWN DRAWN JAMES PROJECT	DRAWING NO. AD20-09 6 OF 10

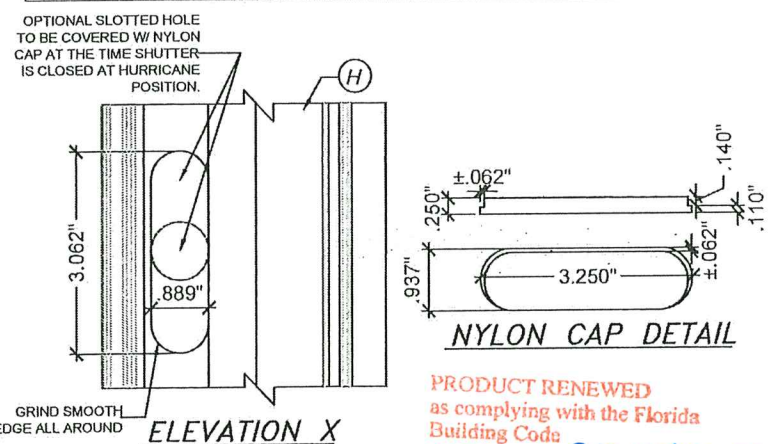


NOTES FOR LOCKING OF (H) & (H1)

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.



NYLON CAP DETAIL

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 25-0401.05
Expiration Date 05/21/2030
By *Help A. N.*
Miami Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 24-0401.05
Expiration Date 05/21/2025
By *Help A. N.*
Miami Dade Product Control

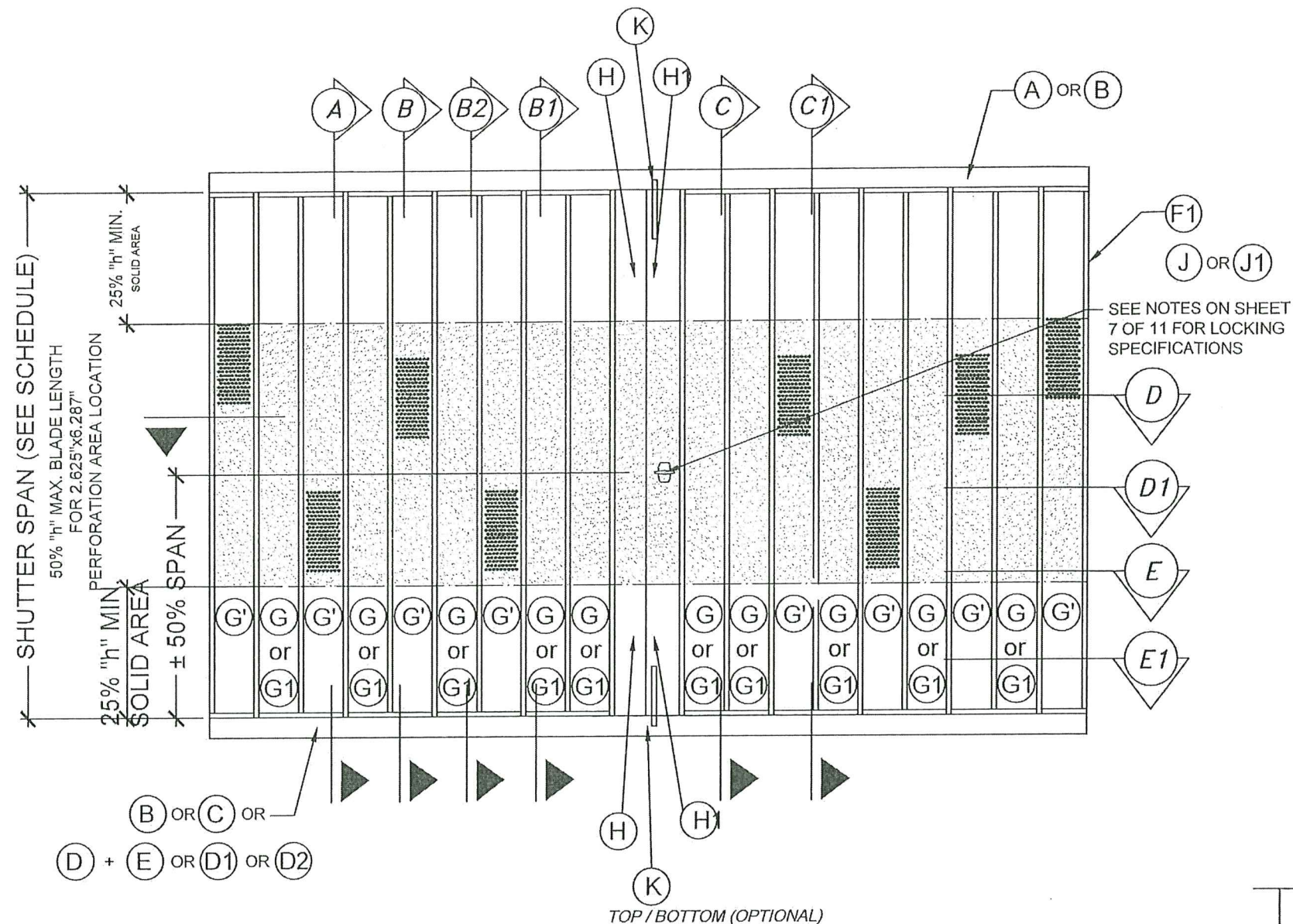
YIPING WANG
FLORIDA REGISTRATION NO. 55983
C.A. No. 559877
STATE OF FLORIDA
PROFESSIONAL ENGINEER
March 26th, 2024

REVISIONS	NO.	DATE	DESCRIPTION
	R2	03.26.2024	FBC 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301 P. 305.588.5224
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www.MCYEngineering.com mcy@mcycyengineering.com

SUPERIOR PROTECTION SYSTEM / AS (A.P.M.A.)
A&M HURRICANE PROTECTION
1050 E. 15TH STREET
HIALEAH, FL 33010
Tel: 305-885-0678

DATE	03.26.2024
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DRAWN	JAMES
PROJECT	
DRAWING NO.	AD20-09
7 OF 10	



TYPICAL ELEVATION



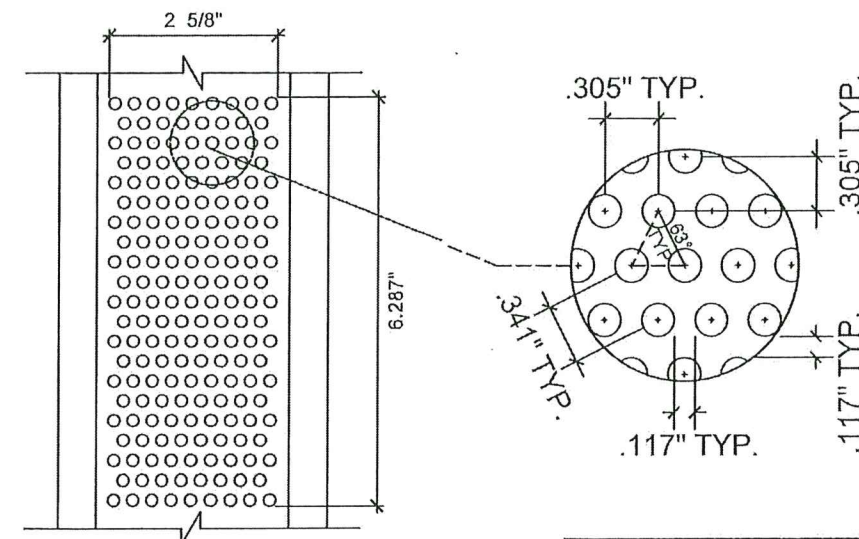
TYPICAL SHUTTER PLAN

GENERAL LIMITATIONS AND CONDITIONS OF USE FOR G OR G1 BLADE ACCORDIAN SHUTTER SYSTEM WORKING IN UNISON WITH G' BLADES.

1. MAXIMUM SHUTTER SPAN AND PRESSURE RATING, MAXIMUM ANCHOR SPACING AND MINIMUM SEPARATION TO GLASS FOR G' AND G1' WORKING IN UNISON WITH G AND G1 ARE AS PER SCHEDULES ON SHEET 3, 4, 5 & 9.
2. MAXIMUM PERFORATION AREA AT G', G1' IS + 2.625" x 6.28" AND MUST BE LOCATED WITHIN THE CENTRAL 50% OF THE BLADE SPAN.

PERFORATED BLADES G, G1 MUST BE SOLID AT THE TOP AND BOTTOM 25% OF BLADES SPAN.
3. PERFORATED BLADES G', G1' SHALL BE INSTALLED AT EVERY OTHER BLADE (FREQUENCY).
4. CENTERMATES H, H1 MUST ALWAYS BE ACCOMPANIED BY TWO SOLID BLADES G, G1 AT EITHER SIDE OF EACH CENTERMATE.
5. STARTERS AND CENTERMATES MUST BE ALWAYS SOLID.
6. STARTERS CONNECTION TO EXISTING BUILDING OR TO END/CORNER TUBES MUST BE AS PER DETAILS INDICATED ON SHEET 7.

SECTION S-S THRU G MALE/FEMALE BLADE

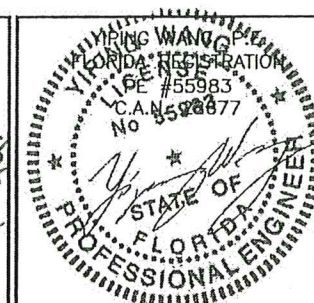


TYPICAL G' PERFORATED
BLADE ELEVATION

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0401.05
Expiration Date 05/21/2030
By *Hely A. Melw*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-0401.08
Expiration Date 05/21/2025
By *Hely A. Melw*
Miami Dade Product Control

MIAMI DADE COUNTY



March 26th, 2024

REVISIONS	NO	DATE	DESCRIPTION
	R2	03.26.2024	FBC 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12761 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027 P: 305.271.0117
www.MCYEngineering.com mcy@mcycengineering.com

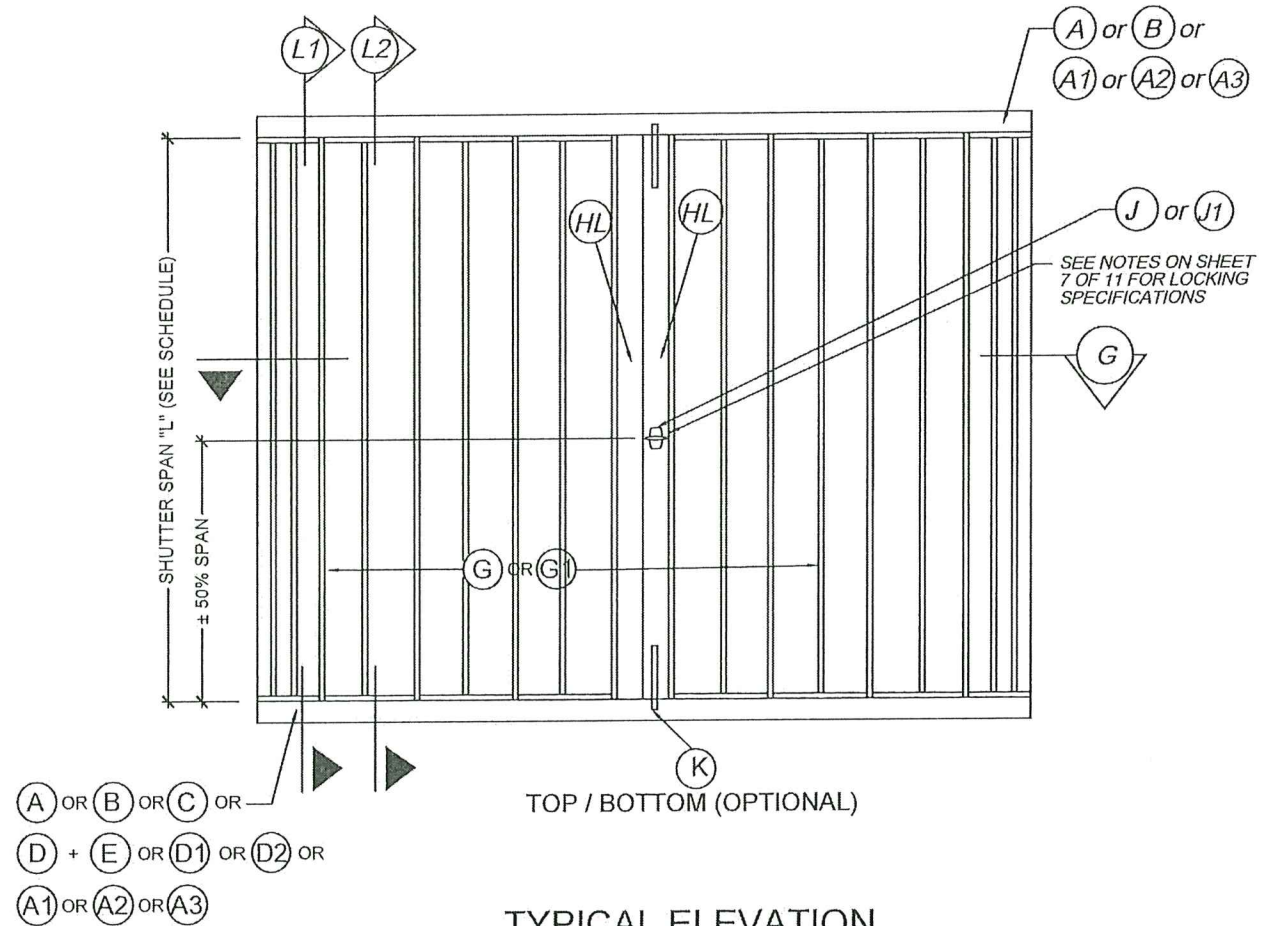
SUPERIOR PROTECTION SYSTEM / AS (A.P.M.A.)
A&M HURRICANE PROTECTION
1050 E. 15TH STREET
HIALEAH, FL 33010
Tel: 305-885-0678

DATE	03.26.2024
SCALE	AS SHOWN
DRAWN	JAMES
PROJECT	

DRAWING NO.
AD20-09

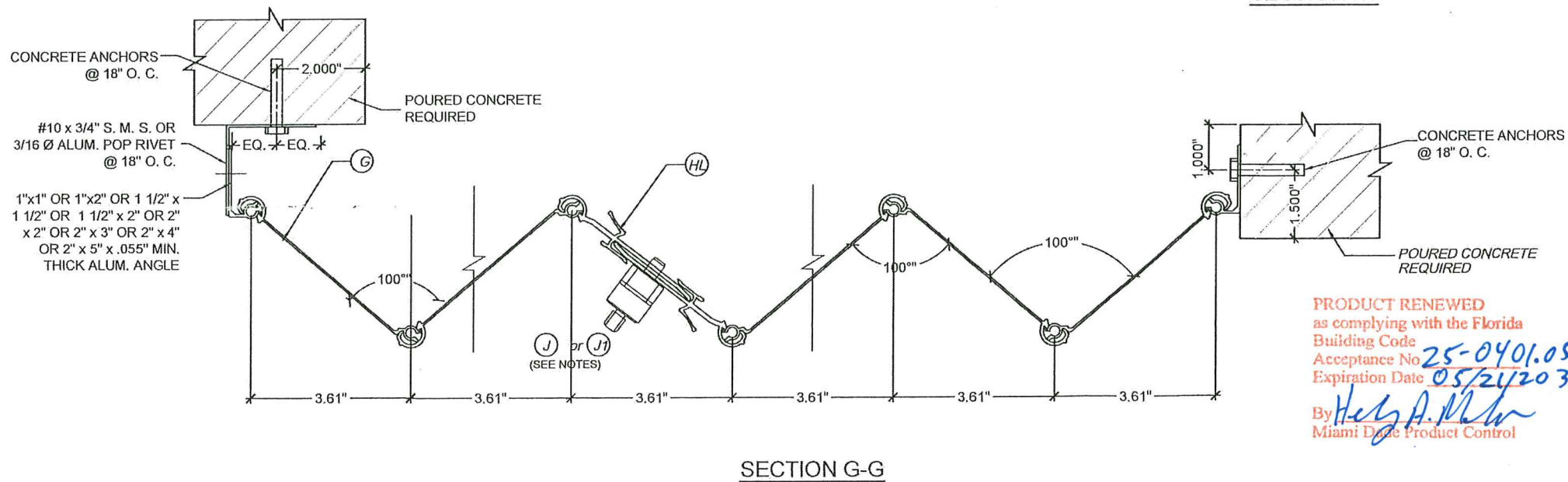
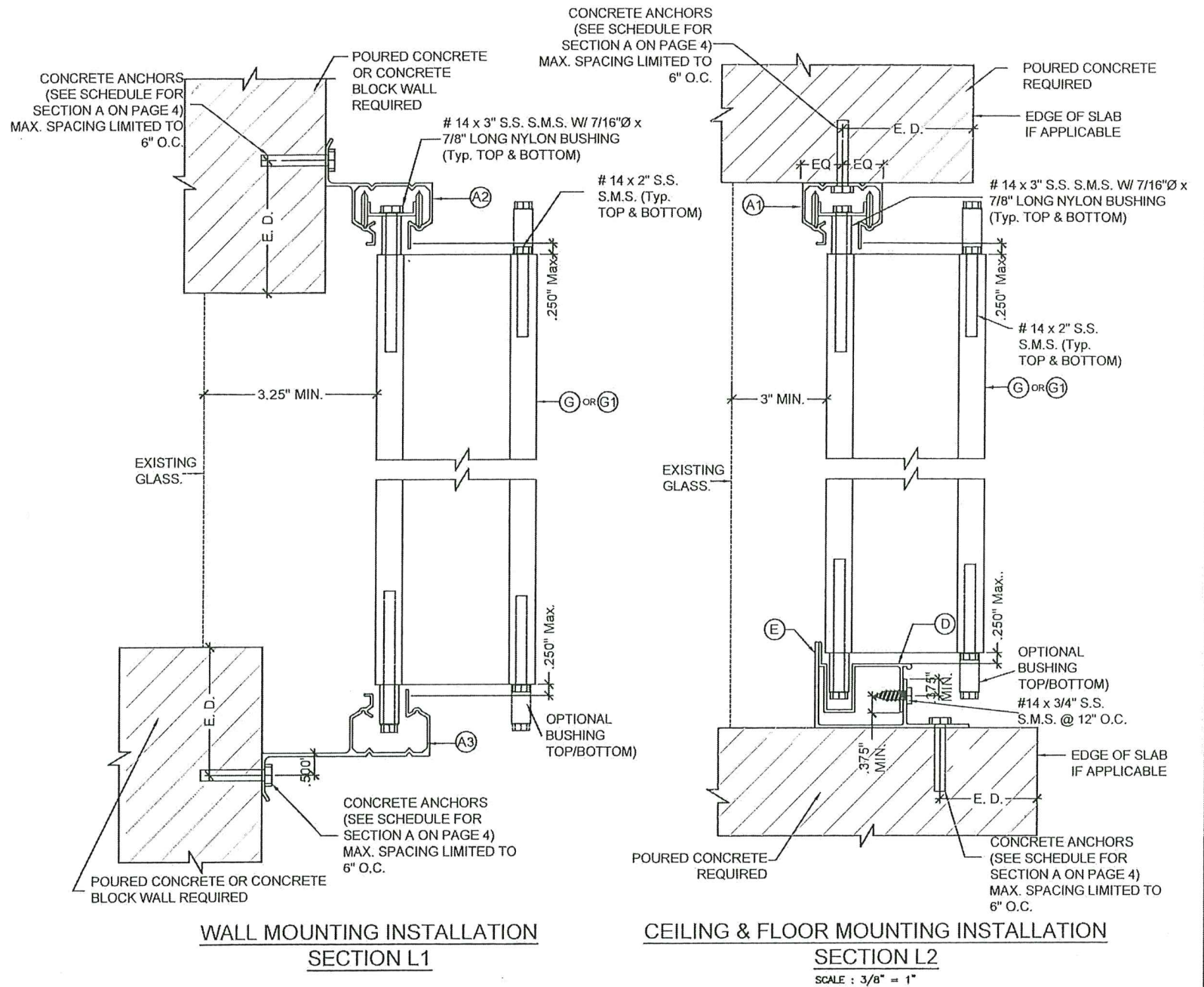
8 OF 10

LIGHT DUTY SHUTTER WALL MOUNT, CEILING AND FLOOR INSTALLATIONS
W/ A1, A2, A3 TRACKS, CENTERMATE HL & BLADES G, G1



NOTE:
END CONDITIONS SHOWN
CAN BE INTERCHANGEABLE.

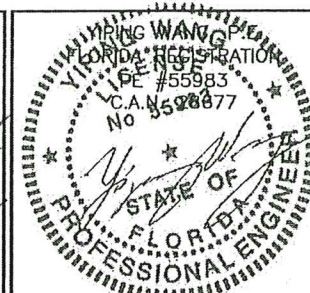
MAX. SHUTTER SPAN "L"	MAX. DESIGN PRESSURE
60"	+/- 75 PSF
108"	+/- 70 PSF



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0401.05
Expiration Date 05/21/2030
By Heidi A. Mohr
Miami Dade Product Control

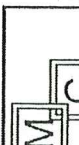
LIGHT DUTY SYSTEM

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 24-0401.08
Expiration Date 05/24/2028
By Kelly A. Miller
Miami Dept. Product Control



MIAMI DADE COUNTY

March 26th, 2024

MCY ENGINEERING, INC. GLAZING CONSULTANTS  12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224 MIRAMAR, FL. 33027 P: 305.271.0117 www.MCYEngineering.com mcy@mcyengineering.com		<table><tr><th colspan="2">REVISIONS</th></tr><tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr><tr><td>R2</td><td>03.26.2024</td><td>TBC 2023</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>	REVISIONS		NO.	DATE	DESCRIPTION	R2	03.26.2024	TBC 2023									
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<table><tr><td>DATE</td><td>03.26.2024</td></tr><tr><td>SCALE</td><td>AS SHOWN</td></tr><tr><td>DRAWN</td><td>JAMES</td></tr><tr><td>PROJECT</td><td> </td></tr></table>			DATE	03.26.2024	SCALE	AS SHOWN	DRAWN	JAMES	PROJECT										
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9 OF 10																			

