



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
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)

Fast Shutter System, LLC
782 NW Le Jeune Rd., Suite 634
Miami, Florida 33126

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: Aluminum Accordion Shutter - LMI

APPROVAL DOCUMENT: Drawing No. AD22-29, titled Aluminum Accordion Shutter-LMI, sheets 1 through 9 of 9, prepared by MCY Engineering, Inc., dated August 31, 2022, signed and sealed by Yiping Wang, P.E., on February 27, 2023, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval 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, city, state, 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 consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above.

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



Helmy A. Makar
08/03/2023

NOA No. 23-0228.01
Expiration Date: 08/03/2028
Approval Date: 08/03/2023
Page 1

Fast Shutter System, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. AD22-29, titled Aluminum Accordion Shutter-LMI, sheets 1 through 9 of 9, prepared by MCY Engineering, Inc., dated August 31, 2022, signed and sealed by Yiping Wang, P.E., on February 27, 2023.*

B. TESTS

1. *Test report on Large Missile Impact Test, Per TAS 201, Cyclic Wind Pressure Test per TAS 203, and Uniform Static Air Pressure Test per TAS 202 for "Fast Shutter System, LLC", prepared by Hurricane Engineering & Testing, Inc., Report No. HETI-21-T432, dated August 10, 2022, signed and sealed by Ram N. Tewari, P.E.*

C. CALCULATIONS

1. *Comparative analysis and anchor calculations dated October 05, pages L-1, L-2, DC-1, TR-1 to TR-4, S-1, S-2, A-1 to A-18, AC-1 to AC-41, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., on February 27, 2023.*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Letter by MCY Engineering, Inc., dated September 29, 2022, signed and sealed by Yiping Wang, P.E., certifying that Fast Shutter System, LLC / Aluminum Accordion Shutter - LMI conforms to the 2020 FBC.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-0228.01
Expiration Date: 08/03/2028
Approval Date: 08/03/2023

ALUMINUM ACCORDION SHUTTER
LARGE MISSILE IMPACT

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH EDITION (2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- SYSTEM RATED FOR LARGE MISSILE IMPACT.
- 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 BUILDING CODE 7TH EDITION (2020) SECTION AS APPLICABLE.
- METAL STRUCTURES BY OTHERS DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS. ULTIMATE LOAD OBTAINED FROM ASCE 7-16, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT.

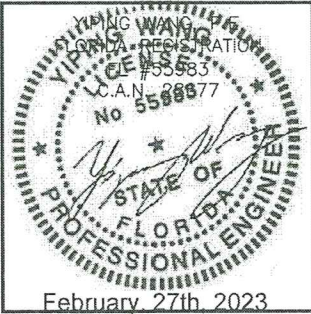
USE CHARTS AS FOLLOWS.

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-16 STANDARD OR WIND TUNNEL REPORTS.
- STEP 2: SEE SHEET E I FOR TYPICAL ELEVATION AND DESIGN LOAD.
- STEP 3: SEE SHEET E I FOR ANCHOR OPTIONS.
- STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THOUGH STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS	
D.L.O. - DAYLITE OPENING	
F.H. - FRAME HEIGHT	
F.W. - FRAME WIDTH	
W - WITH	
W/O - WITHOUT	
O.C. - ON CENTER	
SGD - SLIDING GLASS DOOR	
	<div>SECTION NUMBER</div> <div><div>C</div><div>7</div></div> <div>SHEET NUMBER</div>

Approved as complying with the
Florida Building Code
Date 08/03/2023
NOA# 23-0228-01
Miami Dade Product Control
By *H. G. A. Mohr*

MIAMI-DADE COUNTY



ALUMINIUM ACCORDION SHUTTER-LMI		FAST SHUTTER SYSTEM LLC	
		MIAMI, FLORIDA 33126	
		HIALEAH FL 33012	
		TEL. 305-456-0053	
		FASTSHUTTERSYSYSTEMSLLC@GMAIL.COM	
Drawn Date	Scale	Rev. No.	Description
08.31.2022	AS SHOWN		
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AD22-29			
COVER			
Sheet No.			
01 OF 09			

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

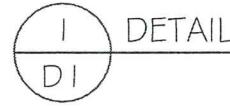
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MIRAMAR, FL 33027

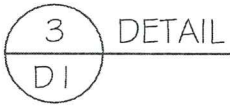
P: 305.271.0117

www.MCYEngineering.com

MCY@mcyengineering.com



ANCHOR TYPE	SUBSTRATE	SPACING (INCH)
A	CONCRETE	7
B	WOOD	5.5
C	ALUM	7
D	STEEL	6.5



ANCHOR TYPE	SUBSTRATE	SPACING (INCH)
A	CONCRETE	7.75
B	WOOD	8
C	ALUM	4
D	STEEL	10

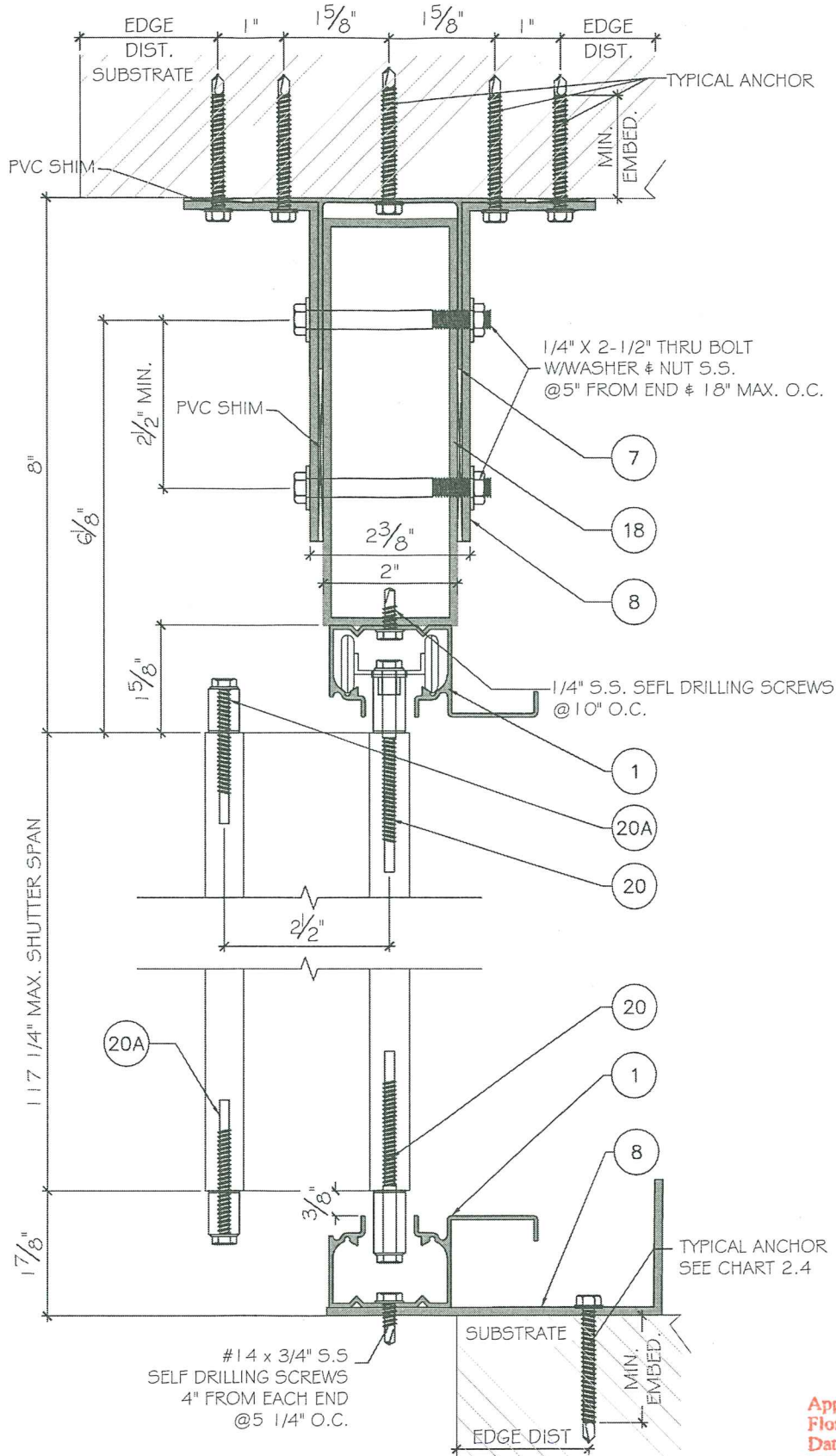
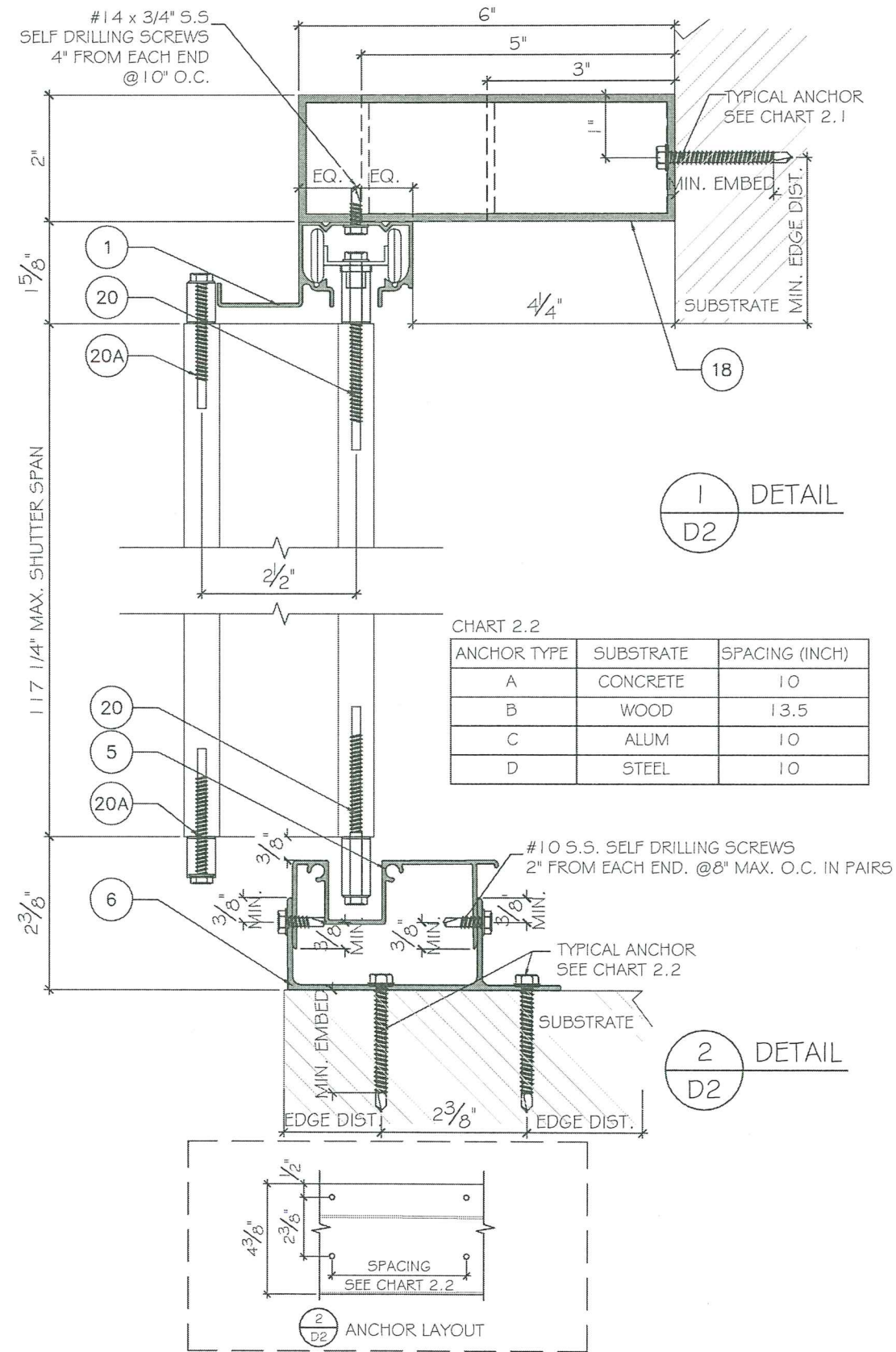
ANCHOR TYPE	SUBSTRATE	SPACING (INCH)
A	CONCRETE	6.5
C	ALUM	6.5
D	STEEL	6.5

ANCHOR TYPE	SUBSTRATE	SPACING (INCH)
A	CONCRETE	6.75
B	WOOD	7
C	ALUM	3.5
D	STEEL	8.5

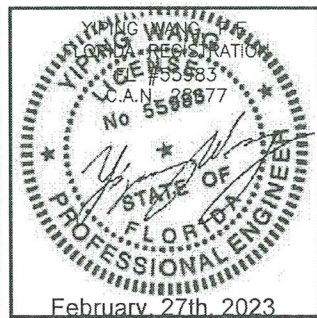
 MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY. Ste.301 MIRAMAR, FL 33027 P: 305.271.0117 www.MCYEngineering.com MCY@mcyengineering.com		ALUMINIUM ACCORDION SHUTTER-LMI	
		FAST SHUTTER SYSTEM LLC MIAMI, FLORIDA 33126 HIALEAH FL33012 TEL. 305-456-0053 FASTSHUTTERSYSTEMSLLC@GMAIL.COM	
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CHART 2.1

ANCHOR TYPE	SUBSTRATE	SPACING (INCH)
A	CONCRETE	8
B	WOOD	8
C	ALUM	4
D	STEEL	8



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NOA: 23-0228.01
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By: *[Signature]*



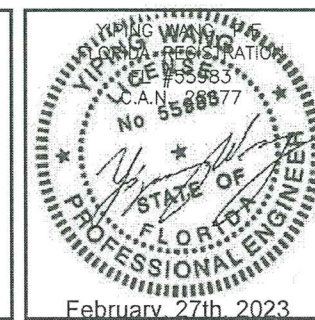
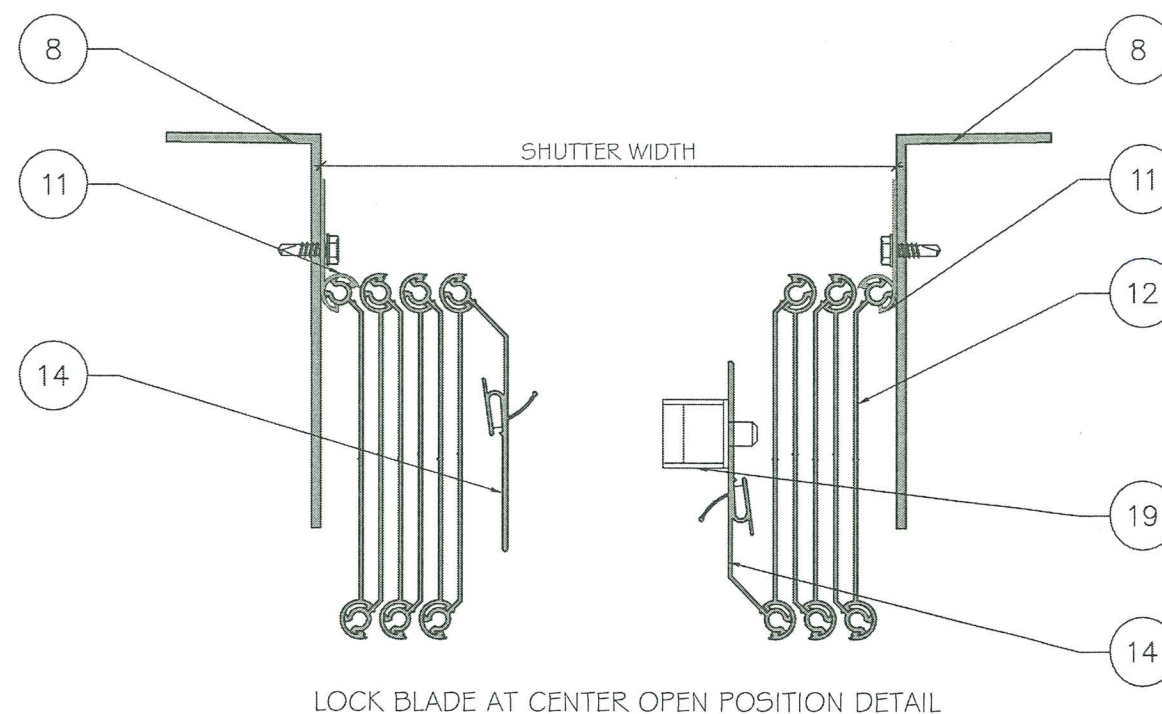
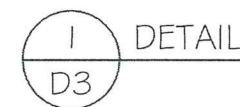
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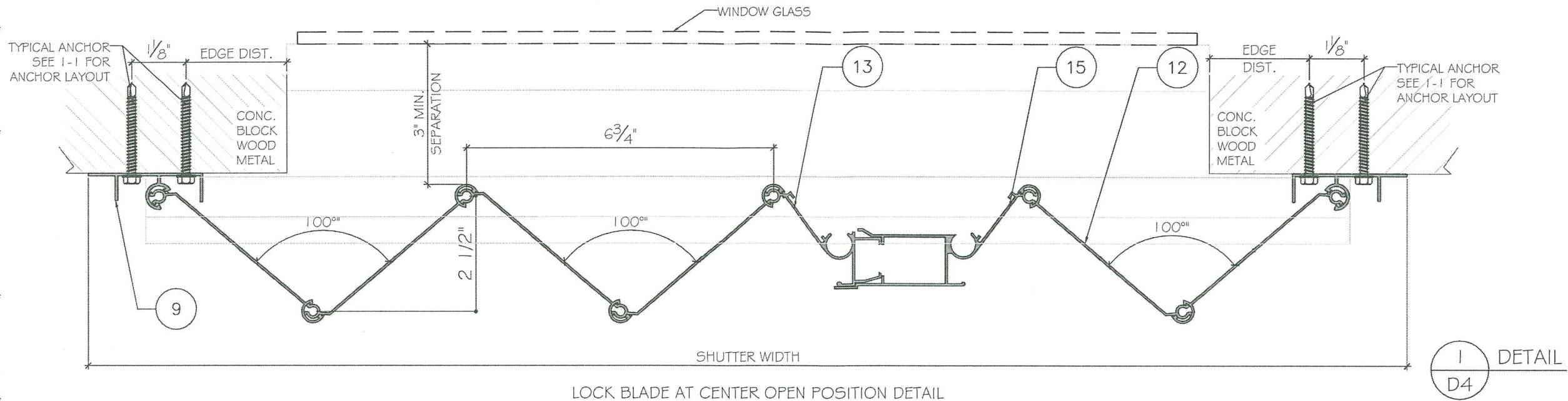
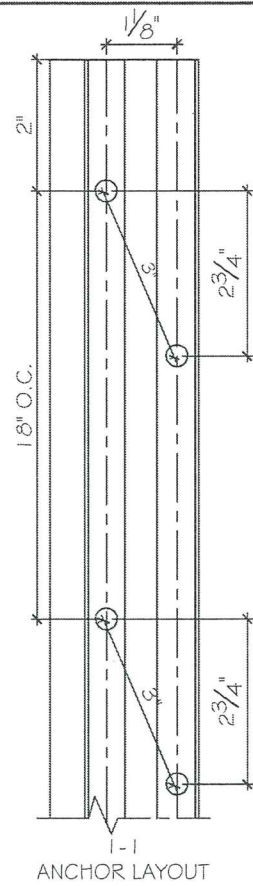
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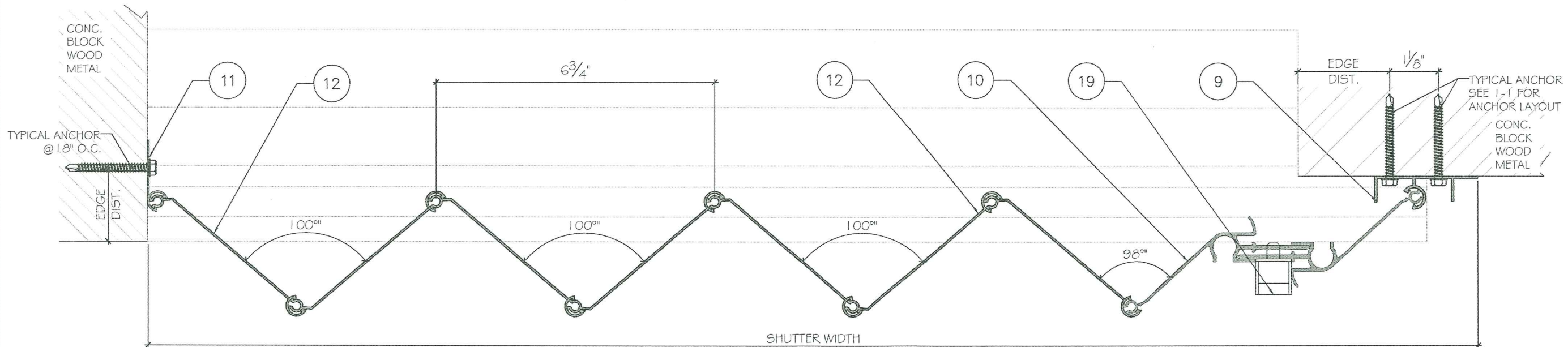
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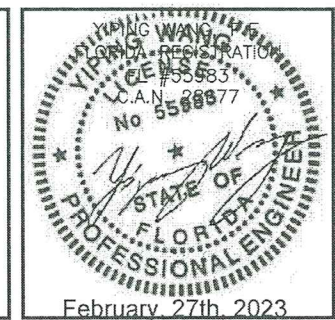
LOCK BLADE AT CENTER OPEN POSITION DETAIL



LOCK BLADE AT SIDE OPEN POSITION DETAIL

MIAMI-DADE COUNTY

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Florida Building Code
Date: 08/03/2023
NOA: 23-0224-01
Miami Dade Product Control
By: *Healy A. Maher*



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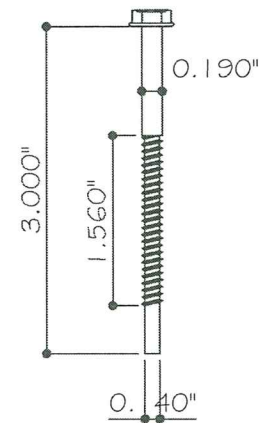
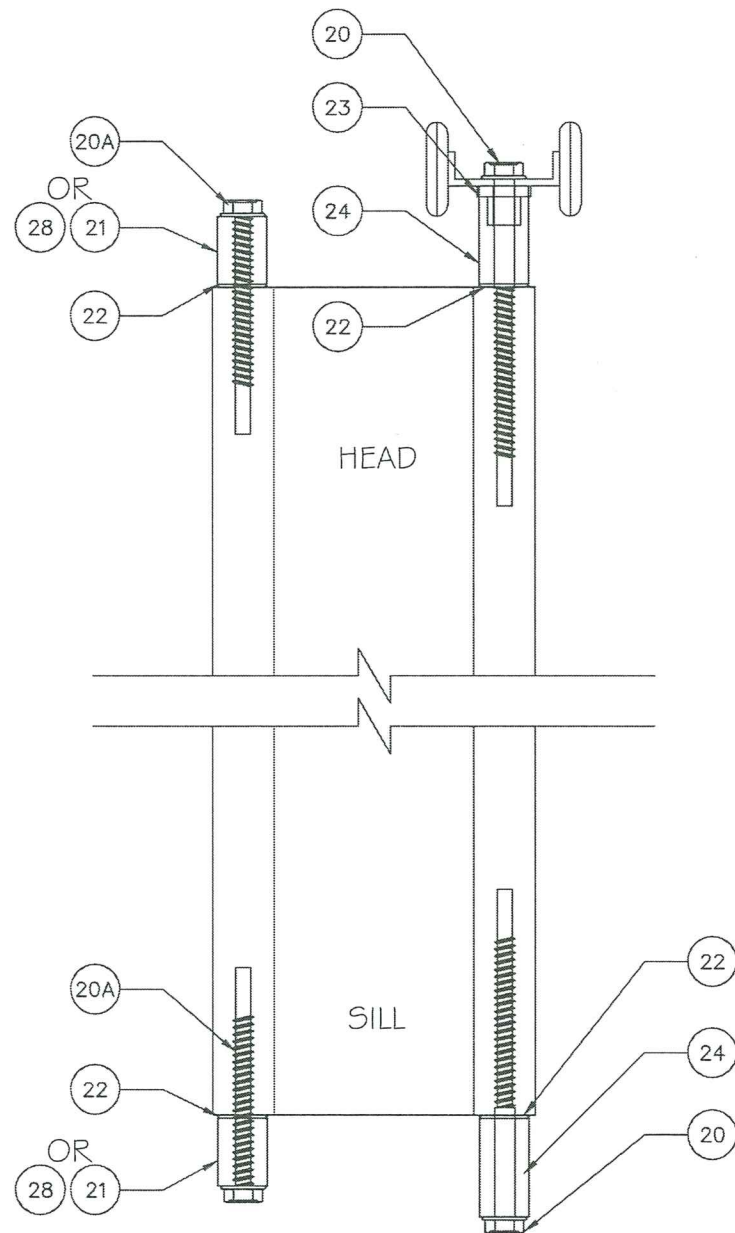
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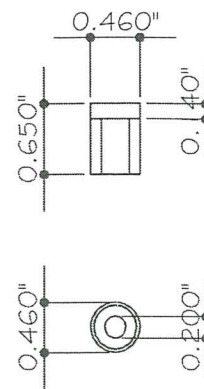
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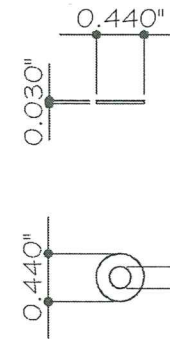
TYPICAL BLADE ASSEMBLY



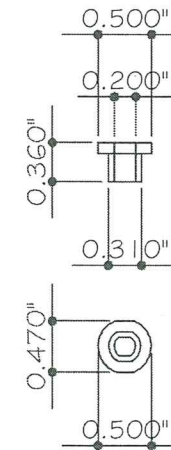
20 #10X3" HH BALDE
SCREW, 410
STAINLESS STEEL



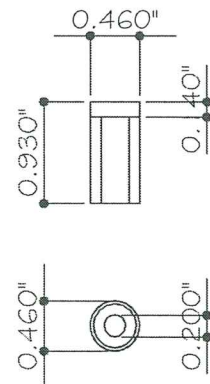
21 0.46" DIA. X 0.65"
NYLON WHEEL
BUSHING



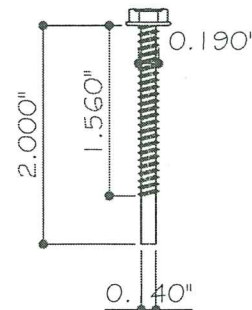
22 0.03" X 0.44"
STAINLESS STEEL
FLAT WASHER



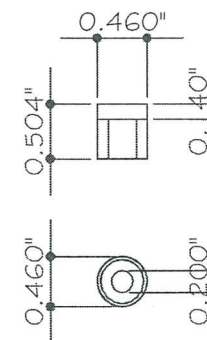
23 1/2" DIA. X 0.36"
NYLON WHEEL
SPACER



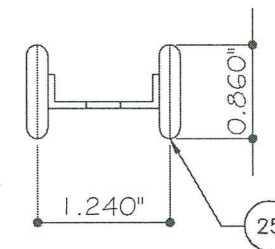
24 0.46" DIA. X 0.93"
NYLON BUSHING



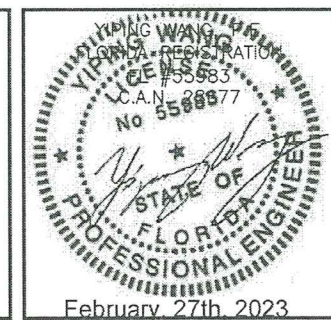
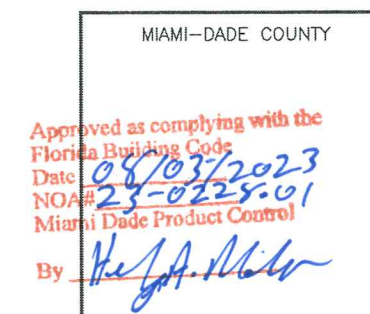
20A #10X2" HH BALDE
SCREW, 410
STAINLESS STEEL



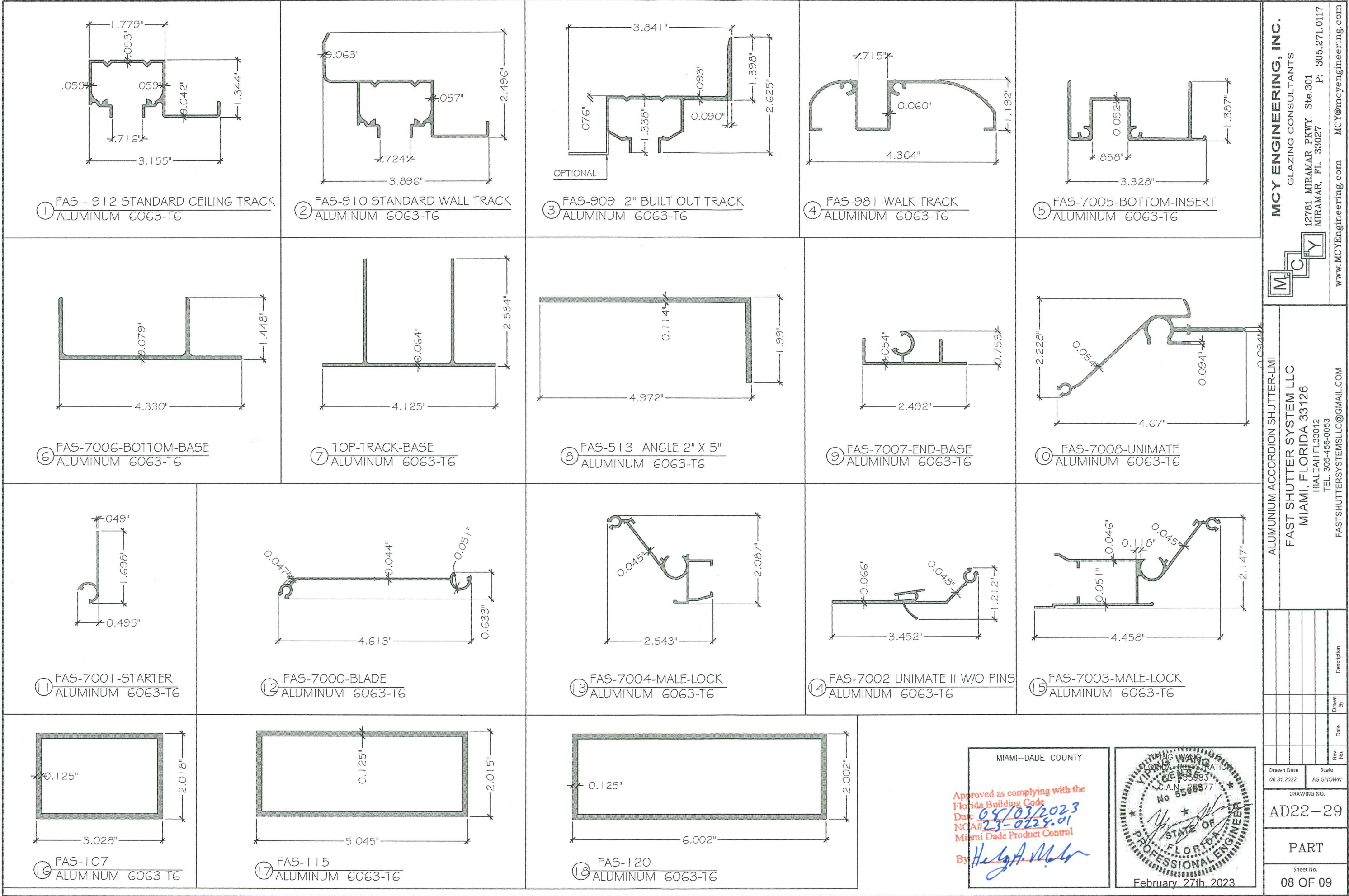
28 0.46" DIA. X 0.504"
NYLON BUSHING



WHEEL CARRIER
STAMPED SS WITH
NYLON WHEELS



<p>MCY ENGINEERING, INC. GLAZING CONSULTANTS</p> <p>12781 MIRAMAR PKWY. Ste. 301 MIRAMAR, FL 33027 P: 305.271.0117</p> <p></p> <p>www.MCYEngineering.com MCY@mcyengineering.com</p>		<p>ALUMINIUM ACCORDION SHUTTER-LMI</p> <p>FAST SHUTTER SYSTEM LLC MIAMI, FLORIDA 33126 HIALEAH FL 33012 TEL. 305-456-0053</p> <p>FASTSHUTTERSISTEMSLLC@GMAIL.COM</p>									
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ALUMINUM ACCORDION SHUTTER-LMI

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FASTSHUTTERSISTEMSLLC@GMAIL.COM

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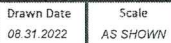
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DESCRIPTION

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Date 08/03/2023
NQA# 23-0228.01
Miami Dade Product Control



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ALUMINIUM ACCORDION SHUTTER-LMI

FAST SHUTTER SYSTEM LLC

MIAMI, FLORIDA 33126

IALEAH FL33012

TEL. 305-456-0053
FIBERSYSTEMS, INC.

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MCY ENGINEERING, INC.

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