



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

OFFICE OF THE
SECRETARY

FL #	FL30919-R2								
Application Type	Revision								
Code Version	2023								
Application Status	Approved								
Comments									
Archived	<input type="checkbox"/>								
Product Manufacturer	SOUTH FLORIDA ROLLING DOOR, INC.								
Address/Phone/Email	3590 NW 34 St MIAMI, FL 33142 (305) 556-6633 aboveall2003@bellsouth.net								
Authorized Signature	Yiping Wang mcy@mcyengineering.com								
Technical Representative									
Address/Phone/Email									
Quality Assurance Representative									
Address/Phone/Email									
Category	Exterior Doors								
Subcategory	Roll-Up Exterior Door Assemblies								
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received								
Florida Engineer or Architect Name who developed the Evaluation Report	Yiping Wang								
Florida License	PE-55983								
Quality Assurance Entity	National Accreditation and Management Institute								
Quality Assurance Contract Expiration Date	12/31/2024								
Validated By	Xiaojun Gu <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received								
Certificate of Independence	FL30919_R2_COI_Certificate of Independence FBC 2023-SS.pdf								
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>TAS 201</td> <td>1994</td> </tr> <tr> <td>TAS 202</td> <td>1994</td> </tr> <tr> <td>TAS 203</td> <td>1994</td> </tr> </tbody> </table>	Standard	Year	TAS 201	1994	TAS 202	1994	TAS 203	1994
Standard	Year								
TAS 201	1994								
TAS 202	1994								
TAS 203	1994								
Equivalence of Product Standards Certified By									
Sections from the Code									

Product Approval Method

Method 1 Option D

Date Submitted

11/13/2023

Date Validated

12/18/2023

Date Pending FBC Approval

Date Approved

12/19/2023

Summary of Products

FL #	Model, Number or Name	Description
30919.1	22 GARAGE ROLLING STEEL DOOR- L.M.I	22 GARAGE ROLLING STEEL DOOR- L.M.I
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +60/-60 Other:		Installation Instructions FL30919 R2 II 22 GAGE ROLLING STEEL DOOR - L.M.I. AD18-10 FL30919 REV 11.09.2023-SS.pdf Verified By: Yiping Wang 55983 Created by Independent Third Party: Yes Evaluation Reports FL30919 R2 AE Evaluation Report FBC 2023-SS.pdf Created by Independent Third Party: Yes

[Back](#)

[Next](#)

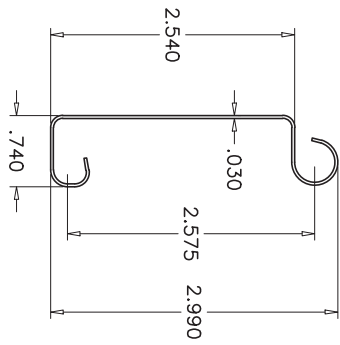
[Contact Us](#) :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

The State of Florida is an AA/EEO employer. [Copyright 2007-2013 State of Florida.](#) :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

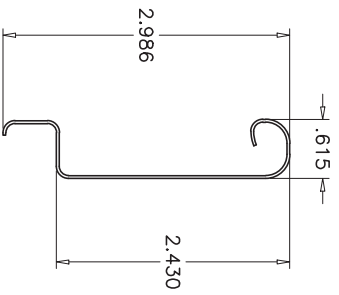
Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:

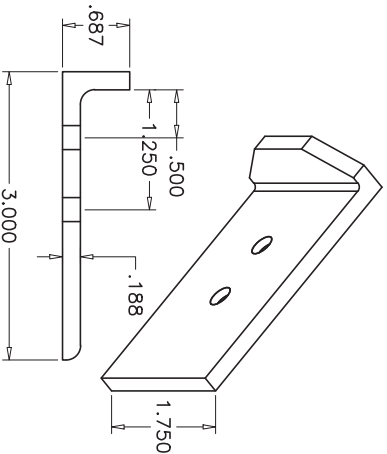




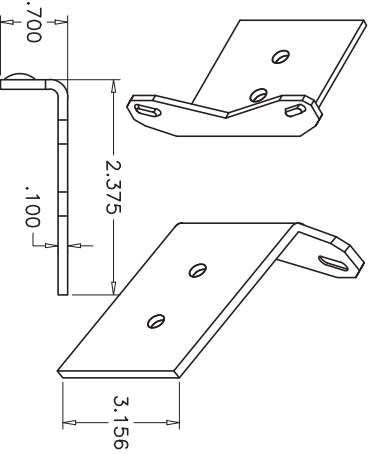
22 GA. COLD FORMED STEEL (ASTM A653)
MIN. YIELD STRENGTH OF 52000 PSI
GALVANIZED ACCORDING TO ASTM A-525
WITH A COATING DESIGNATION OF G-90
EXTERIOR AND INTERIOR



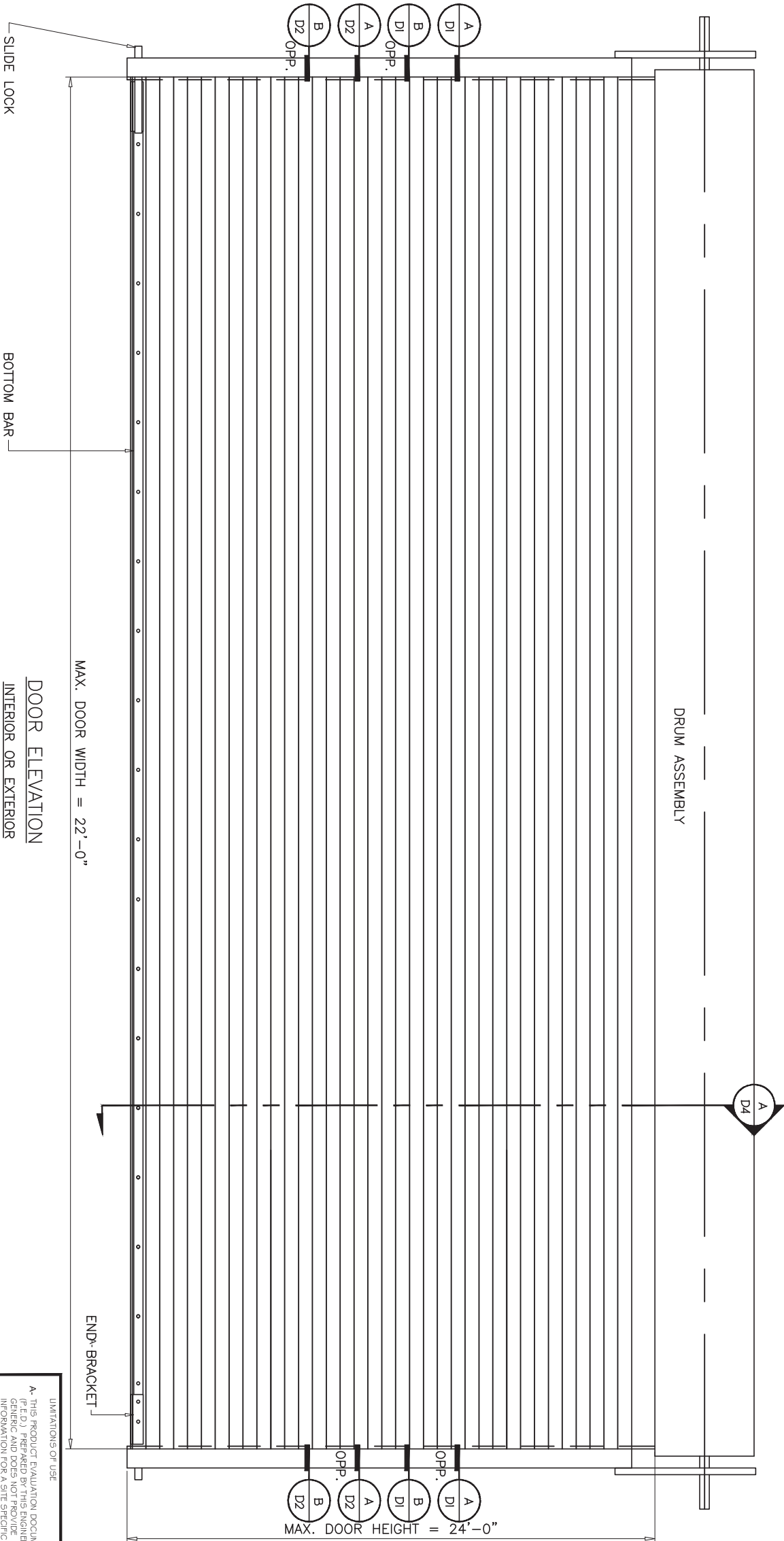
INSULATED SLAT COVER
24 GA. COLD FORMED STEEL



WIND LOCK 'A'
HOT ROLLED STEEL ANGLE



WIND LOCK 'B'
14 GA. COLD FORMED GALV. STEEL



MAX. DOOR WIDTH = 22'-0"

MAX. DOOR HEIGHT = 24'-0"

DOOR ELEVATION
INTERIOR OR EXTERIOR

GENERAL NOTES

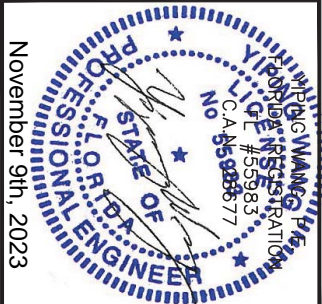
1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020)/8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
3. GUIDE AND WALL ANGLES SHALL CONFORM TO ASTM A-36.
4. ALL BOLTS, NUTS AND WASHERS SHALL BE ZINC PLATED CARBON STEEL.
5. ANCHORING OR LOADING CONDITIONS OTHER THAN THOSE SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
6. SLIDE BOLT (1/4" THICK LATCH) IS INSTALLED AT EACH END BOTTOM, AND SHALL BE ENGAGED DURING HURRICANE WINDS.
7. ALL WELDING TO CONFORM TO AWS LATEST REGULATIONS AND F.B.C. USE E70XX ELECTRODES AND 3/16" FILLET SIZE.
8. MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

MAXIMUM DESIGN LOAD RATING = + 60.0 PSF
(FOR SIZES SHOWN OR SMALLER) - 60.0 PSF

THIS PRODUCT IS RATED FOR LARGE MISSILE IMPACT

LIMITATIONS OF USE
A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HERE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
C- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
D- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHO WILL BE RESPONSIBLE FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FLORIDA APPROVAL:
FL #30919.1



22 GARAGE ROLLING STEEL DOOR - L.M.I.
SOUTH FLORIDA ROLLING DOORS

3590 NW 34TH STREET, MIAMI, FL 33142

TEL. (305)-556-6633



MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P: 305.271.0117

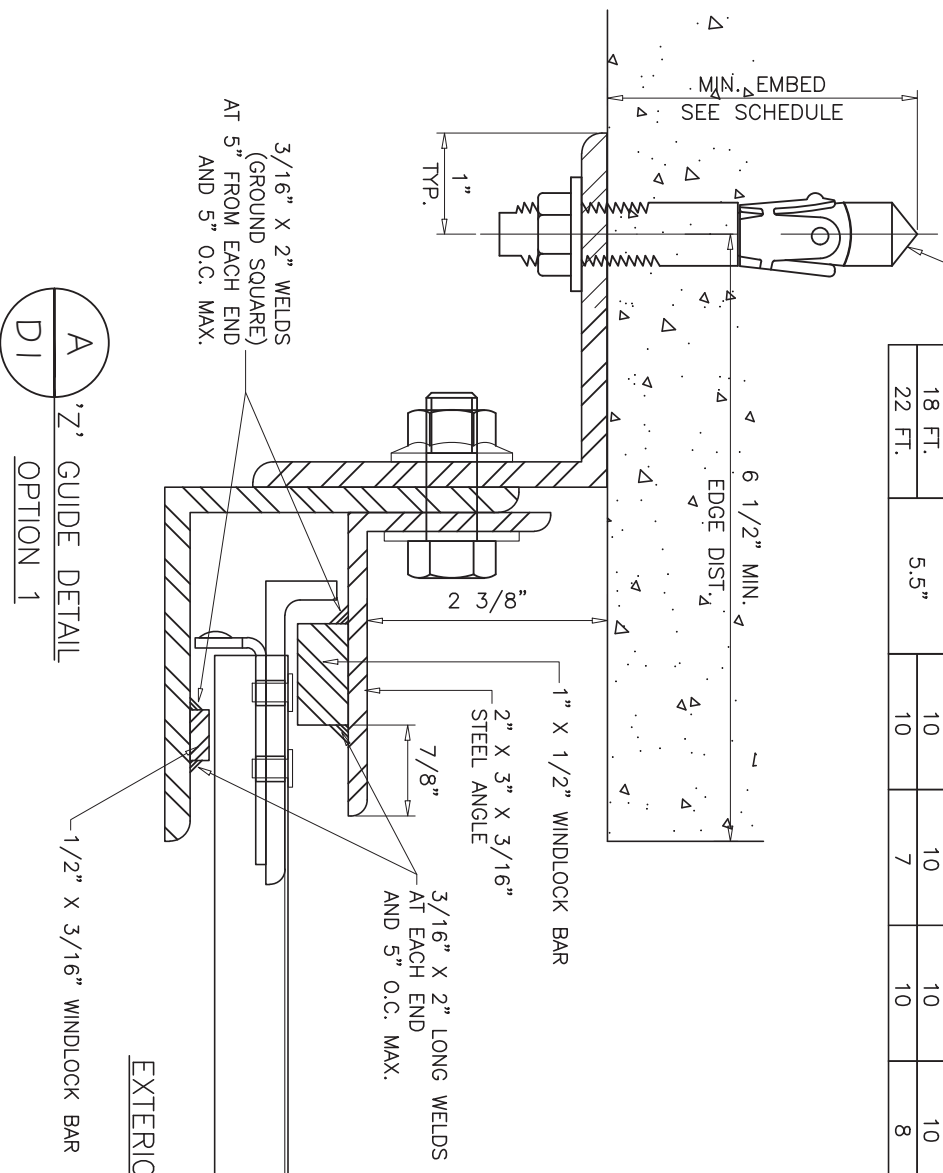
www.MCYEngineering.com MCY@mcyengineering.com

Rev. No.	Date	Drawn By	Description
R2	11.09.2023	James	UPDATE TO 2023 FBC

Drawn Date: 11/09/2023
Scale: AS SHOWN
DRAWING NO.: AD18-10

5/8" DIA. SS KWIK BOLT 3 EXPANSION ANCHORS

		'Z' GUIDE ANCHOR SPACING - INCHES			
MAXIMUM DOOR WIDTH UPTO	MINIMUM ANCHOR EMBEDMENT	INTO 3000 PSI CONC. LOADS UPTO 50 PSF	INTO 4000 PSI CONC. LOADS UPTO 50 PSF	INTO 4000 PSI CONC. LOADS UPTO 60 PSF	INTO 4000 PSI CONC. LOADS UPTO 60 PSF
14 FT.	4"	10	10	10	10
18 FT.	5.5"	10	10	10	10
22 FT.		10	7	10	8



EXTERIOR OR INTERIOR

EXISTING STEEL

BOLT OPTION:
5/8" DIA. MACHINE BOLTS (ASTM A449)
TAPPED IN 1/4" MIN. STEEL

MAXIMUM DOOR WIDTH UPTO	ANCHOR SPACING-INCHES
14 FT.	40 PSF UPTO 50 PSF UPTO 60 PSF
18 FT.	10 10 10
22 FT.	10 10 8 6.5

WELD OPTION:
GUIDE ANGLE SECURED TO MIN. 1/4" THICK STEEL STRUCTURE WITH 3/16" WELDS AT 5" FROM BOTTOM AND 10" O.C. SEE SCH. FOR WELD LENGTHS

MAXIMUM DOOR WIDTH UPTO	WELD LENGTHS
14 FT.	40 PSF UPTO 50 PSF UPTO 60 PSF
18 FT.	1" 1" 1-1/8" 1-1/4"
22 FT.	1-1/8" 1-1/4" 1-3/8"



1/2" X 1-1/2" HEX HEAD BOLT WITH WASHER AND FLANGED NUT AT 4" FROM BOTTOM & 10" O.C. (4) AT 2" O.C. AT TOP OF TRACK ADDITIONAL

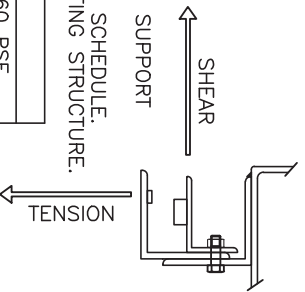
3-1/2" X 3-1/2" X 1/4" STEEL ANGLE

CHART 'A'

MAXIMUM DOOR WIDTH UPTO	SLIP INCHES
14 FT.	1/2
18 FT.	5/8
22 FT.	3/4

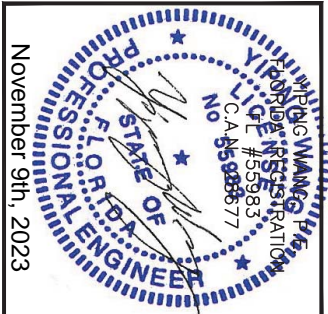
SUPPORTING STRUCTURE MUST BE DESIGNED TO SUPPORT SHEAR & TENSION FORCES AT EACH JAMB. FOR DESIGN VALUES OF SHEAR & TENSION SEE SCHEDULE. ARCH./ENGR. TO VERIFY ADEQUACY OF SUPPORTING STRUCTURE.

MAXIMUM DOOR WIDTH UPTO	FORCES ON GUIDE/FT.		
	40 PSF	50 PSF	60 PSF
14 FT.	293	1018	367
18 FT.	373	1565	467
22 FT.	453	2024	567

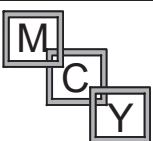


GUIDE DETAILS CAN BE USED IN ANY COMBINATIONS.

FLORIDA APPROVAL:
FL #30919.1



22 GARAGE ROLLING STEEL DOOR - L.M.I.
SOUTH FLORIDA ROLLING DOORS
3590 NW 34TH STREET, MIAMI, FL 33142
TEL. (305)-556-6633



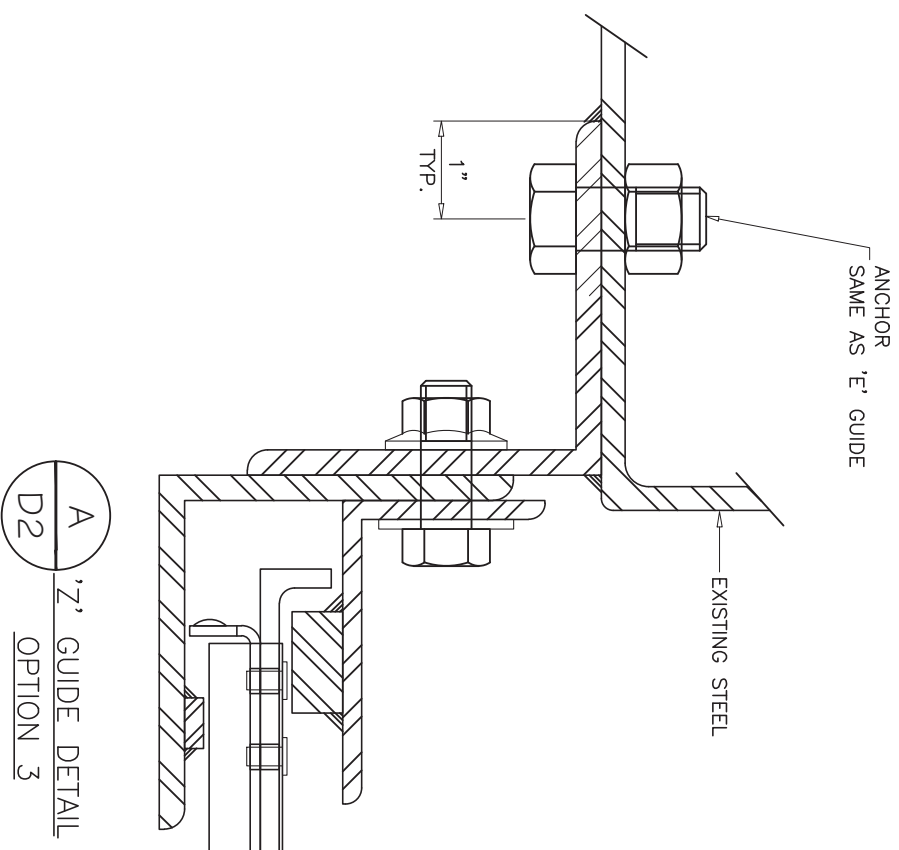
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P: 305.271.0117
www.MCYEngineering.com MCY@mcyengineering.com

Rev. No.	Date	Drawn By	Description
R2	11.09.2023	James	UPDATE TO 2023 FBC

Drawn Date: 11/09/2023
Scale: AS SHOWN
DRAWING NO. AD18-10
Sheet No. D1
02 OF 04

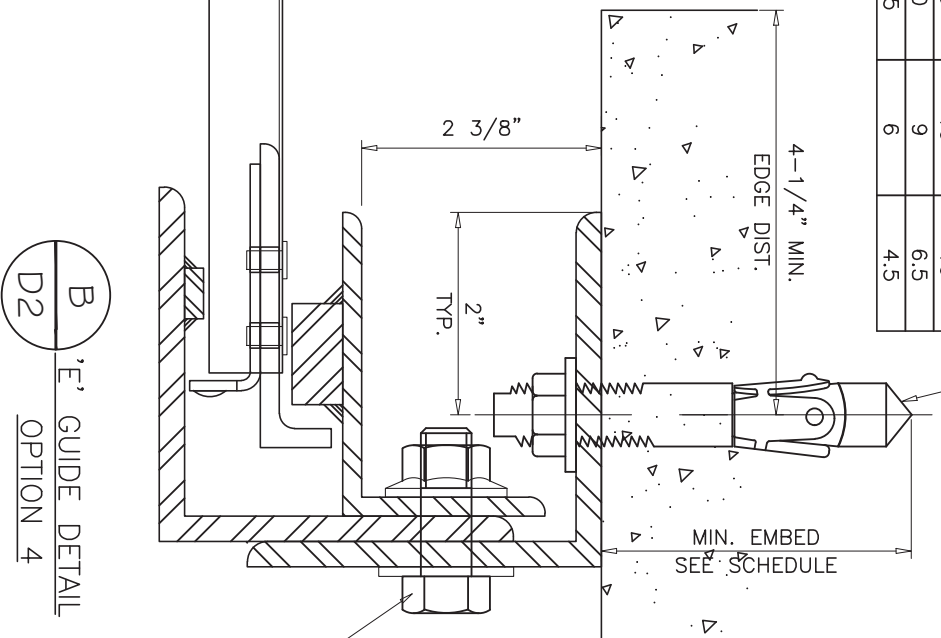
MAXIMUM DOOR WIDTH	MINIMUM ANCHOR EMBEDMENT	'E' GUIDE ANCHOR SPACING - INCHES					
		INTO 3000 PSI CONC.	INTO 4000 PSI CONC.	INTO 3000 PSI CONC.	INTO 4000 PSI CONC.	INTO 3000 PSI CONC.	INTO 4000 PSI CONC.
UPTO 14 FT.	5.5"	LOADS UPTO 40 PSF	LOADS UPTO 50 PSF	LOADS UPTO 60 PSF	LOADS UPTO 40 PSF	LOADS UPTO 50 PSF	LOADS UPTO 60 PSF
		10	10	10	10	10	10
18 FT.		10	8	5.5	10	9	6.5
22 FT.		7.5	5	4	8.5	6	4.5

5/8" DIA. SS KWIK BOLT 3 EXPANSION ANCHOR



A 'E' GUIDE DETAIL
OPTION 3

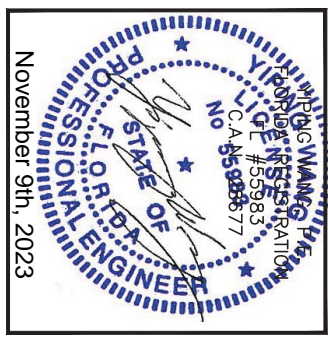
EXTERIOR OR INTERIOR



B 'E' GUIDE DETAIL
OPTION 4

1/2" X 1-1/2" HEX HEAD BOLT WITH WASHER AND FLANGED NUT AT 4" FROM BOTTOM & 10" O.C. (4) AT 2" O.C. AT TOP OF TRACK ADDITIONAL

FLORIDA APPROVAL:
FL #30919.1

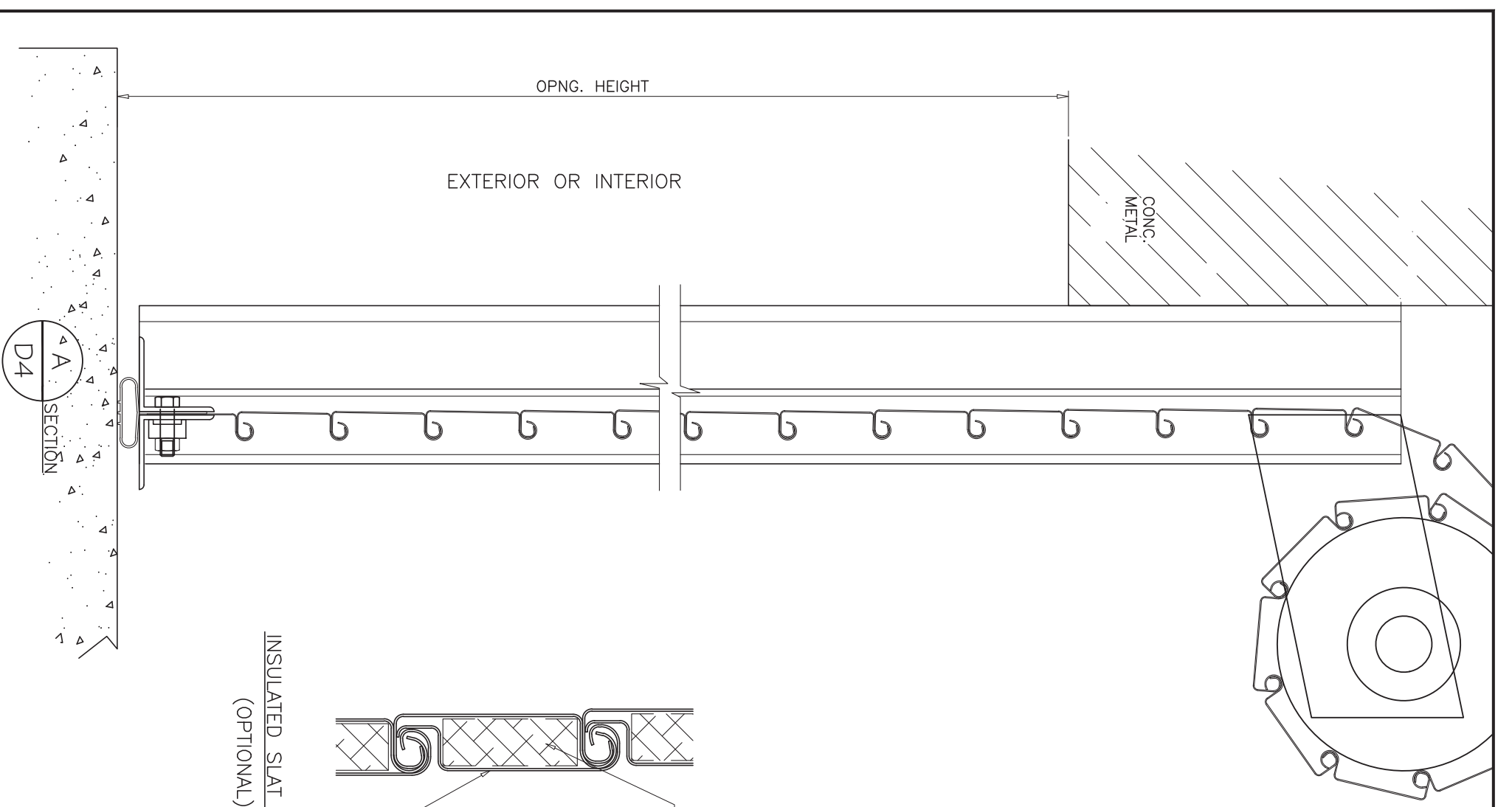


MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P: 305.271.0117
www.MCYEngineering.com MCY@mcyengineering.com

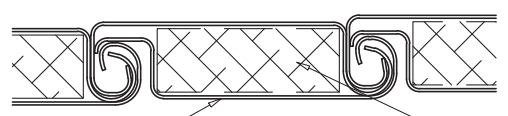
22 GARAGE ROLLING STEEL DOOR - L.M.I.
SOUTH FLORIDA ROLLING DOORS
3590 NW 34TH STREET, MIAMI, FL 33142
TEL. (305)-556-6633

Rev. No.	Date	Drawn By	Description
R2	11.09.2023	James	UPDATE TO 2023 FBC

Drawn Date: 11/09/2023
Scale: AS SHOWN
DRAWING NO.: AD18-10
Sheet No.: D2
03 OF 04

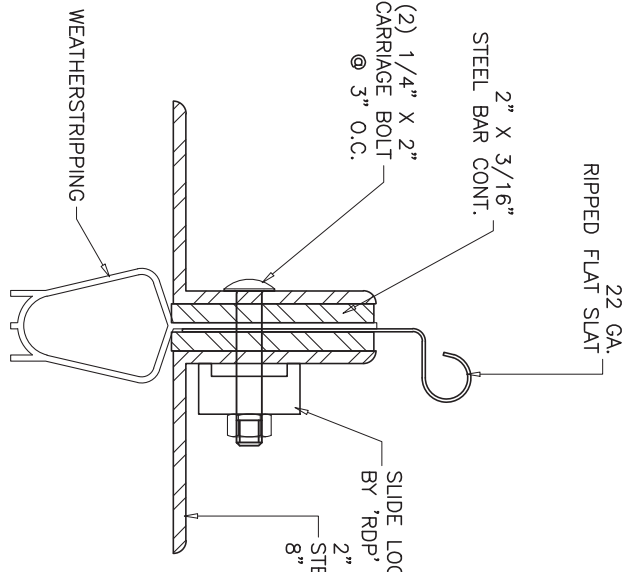


INSULATED SLAT DETAIL
(OPTIONAL)

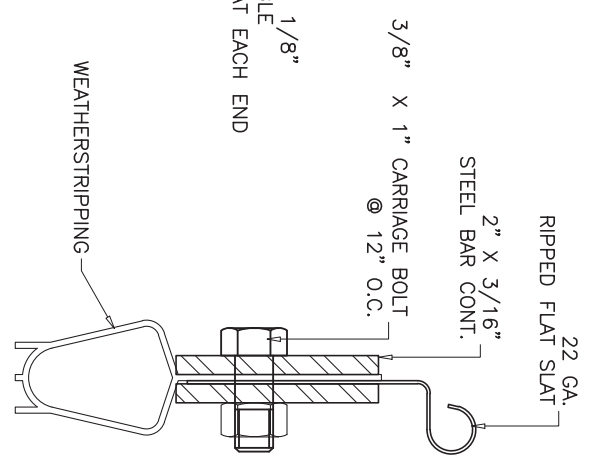


OPTIONAL INSULATIONS:
 BY 'DYPPLAST PRODUCTS, LLC'
 EPS-EXPANDED POLYSTYRENE
 DENSITY = 1.05 PCF
 N.O.A. #11-0926.07
 OR
 ISO-25 POLY-ISOCYANURATE
 DENSITY = 2.0 PCF
 N.O.A. #11-0926.06
 OR
 BY 'CELLOFOAM, NORTH AMERICA'
 DENSITY = 1.03 PCF
 N.O.A. #10-1129.04
 OR
 BY 'INSULFOAM, LLC'
 DENSITY = 0.92 PCF
 N.O.A. #12-0628.10

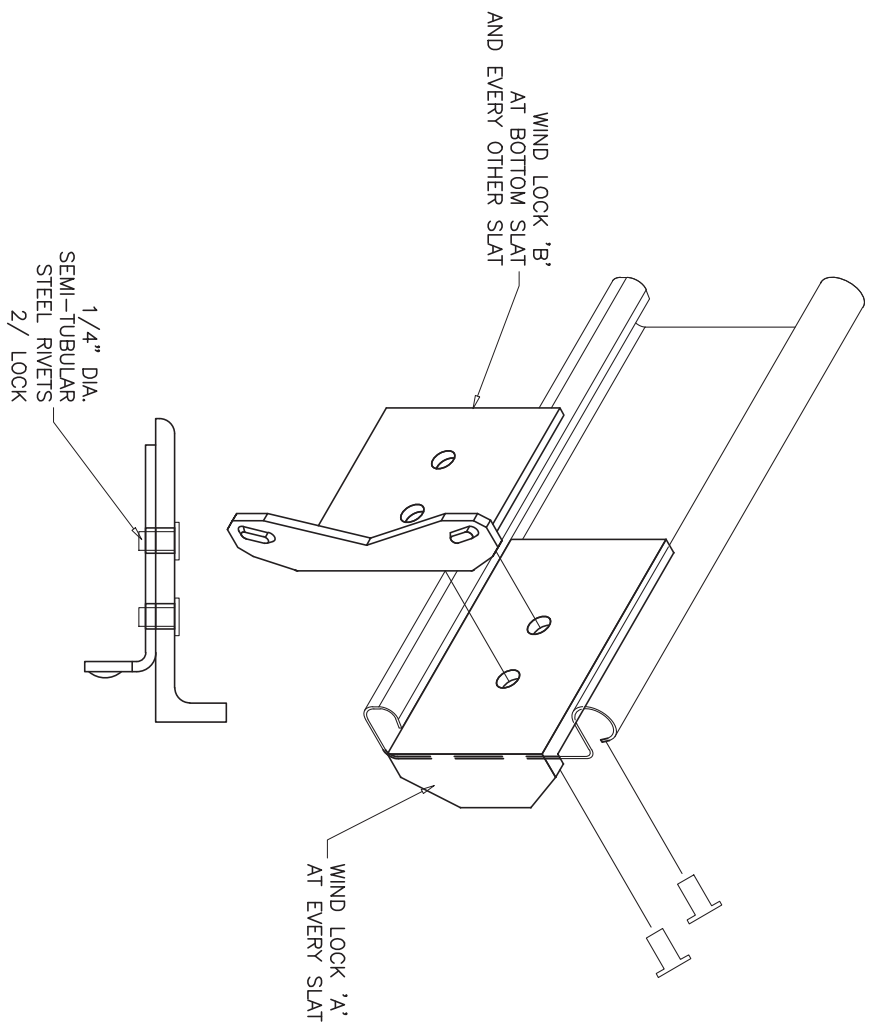
END BRACKET DETAIL



BOTTOM BAR DETAIL



WIND LOCK DETAIL



FLORIDA APPROVAL:
FL #30919.1

PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 No. 55583
 C.A. 8588877
 November 9th, 2023

Rev. No.	Date	Drawn By	Description
R2	11.09.2023	James	UPDATE TO 2023 FBC

Drawn Date: 11/09/2023
 Scale: AS SHOWN
 DRAWING NO.: AD18-10
 Sheet No.: D4
 04 OF 04

22 GARAGE ROLLING STEEL DOOR - L.M.I.
 SOUTH FLORIDA ROLLING DOORS
 3590 NW 34TH STREET, MIAMI, FL 33142
 TEL. (305)-556-6633

MCY ENGINEERING, INC.
 GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
 MIRAMAR, FL 33027 P: 305.271.0117

www.MCYEngineering.com MCY@mcyengineering.com