



Product Approval
USER: Public User

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

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SECRETARY

FL #	FL18604-R4								
Application Type	Revision								
Code Version	2023								
Application Status	Approved								
Comments									
Archived	☐								
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 mcyengineering@outlook.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 ☐ 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	12/31/2026								
Validated By	Xiaojun Gu ☒ Validation Checklist - Hardcopy Received								
Certificate of Independence	FL18604_R4_COI_Certificate of Independence FBC 2023-SS.pdf								
Referenced Standard and Year (of Standard)	<table> <thead> <tr> <th><u>Standard</u></th><th><u>Year</u></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>	<u>Standard</u>	<u>Year</u>	TAS 201	1994	TAS 202	1994	TAS 203	1994
<u>Standard</u>	<u>Year</u>								
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

12/19/2023

Date Approved

02/13/2024

Summary of Products

FL #	Model, Number or Name	Description
18604.1	Series 1675 Steel Rolling Door	Series 1675 Steel Rolling Door (LMI & SMI)
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +75/-75 Other:		Installation Instructions FL18604_R4_II_SERIES_1675_ROLLING_DOOR_(LMI_and_SMI)_AD14-11_FL18604_R11.09.2023-SS.pdf Verified By: Yiping Wang 55983 Created by Independent Third Party: Yes Evaluation Reports FL18604_R4_AE_Evaluation_Report_FBC_2023-SS.pdf Created by Independent Third Party: Yes

Back

Next

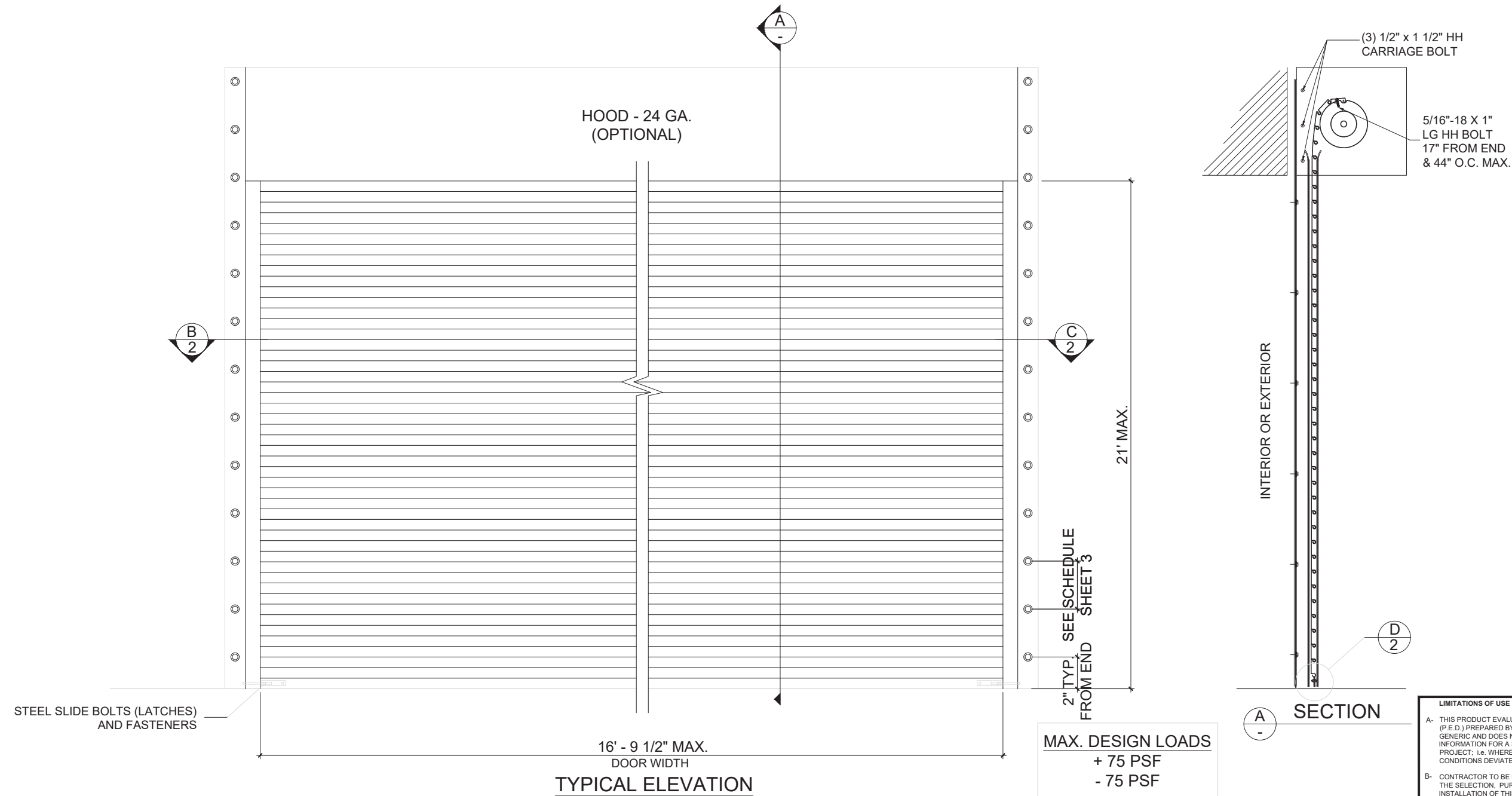
Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:





GENERAL NOTES:

- 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. INCLUDED HIGH VELOCITY HURRICANE ZONE (HVHZ).
- THE ROLLING UP DOOR HAVE BEEN TESTED AS PER FBC 2023 TAS 201, 202 AND 203 FOR LARGE MISSILE IMPACT. FORCE ENTRY RESISTANCE TEST PER AAMA 1703.5 IN ACCORDANCE WITH CHAPTER 17 OF THE 2023 FBC.
- DESIGN LOAD SHALL BE DETERMINED BASED ON BASIC WIND SPEED, BUILDING HEIGHT AND WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO DESIGN LOAD IN THIS DOCUMENT.
- 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.

- HOOD TO BE 24 GA. ASTM A653 DESIGNATION G - 90 FINISH TYPE COATING
- 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 FLORIDA BUILDING CODE 2020 / FLORIDA BUILDING CODE 2023 SECTION AS APPLICABLE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE EXISTING STRUCTURE IS DESIGNED TO SUPPORT Vx & Vy FORCES AT BOTH JAMBS. REFER TO SHEET 3 FOR Vx AND Vy.

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 HE/SHE 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 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.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.

Professional Engineer
PENG WANG
FLORIDA
LICENSE # 55983
C.A.N. 9477

November 9th, 2023

REVISIONS	
NO.	DATE DESCRIPTION
R3	11.09.2023 UPDATE TO FBC 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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

SERIES 1675 ROLLING DOOR (LMI & SMI)

SOUTH FLORIDA ROLLING DOORS, INC.

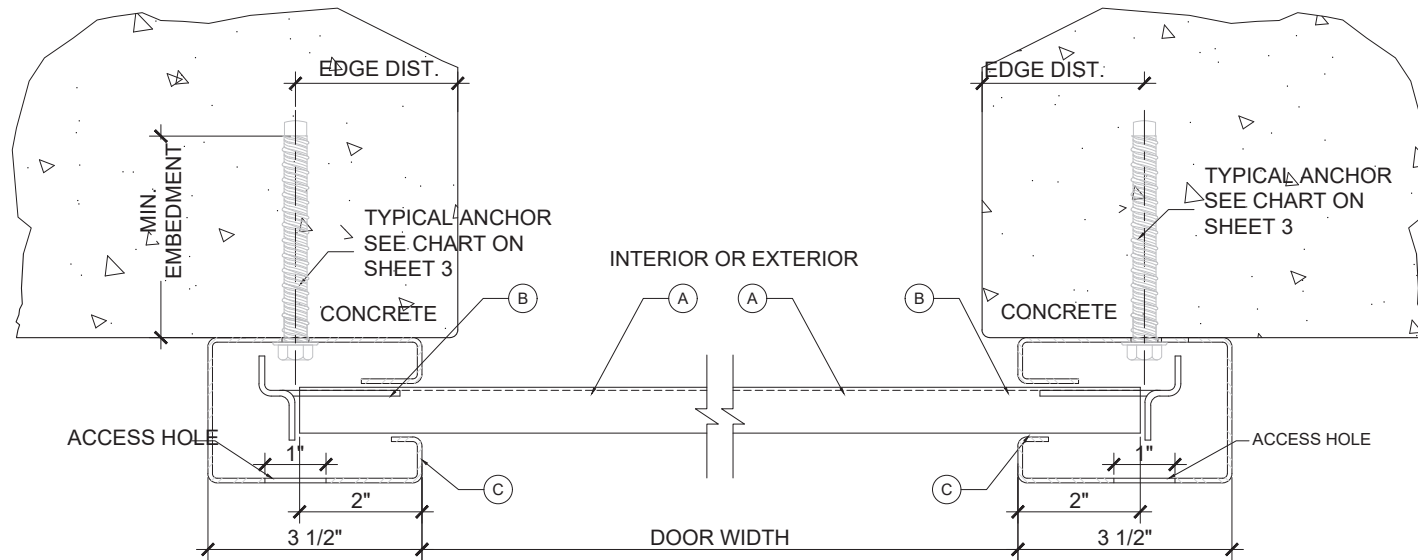
3590 NW 34TH ST.
MIAMI, FL. 33142
P: (305) 556 - 6633 P: (305) 362 - 9477

FL#	18604
DATE	11.09.2023
SCALE	AS NOTED
DRAWN	James

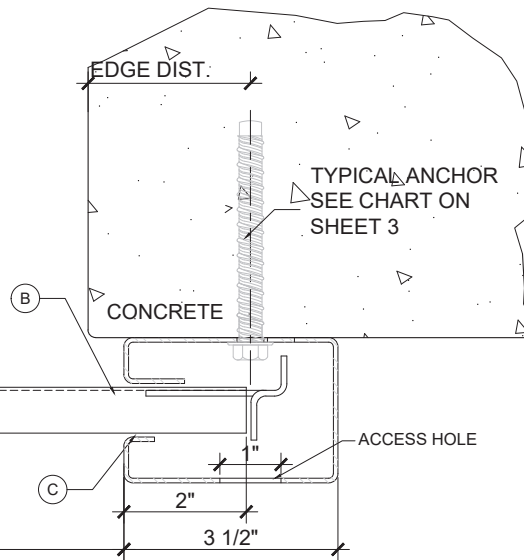
DRAWING NO.

AD14-11

SHEET 1 of 4

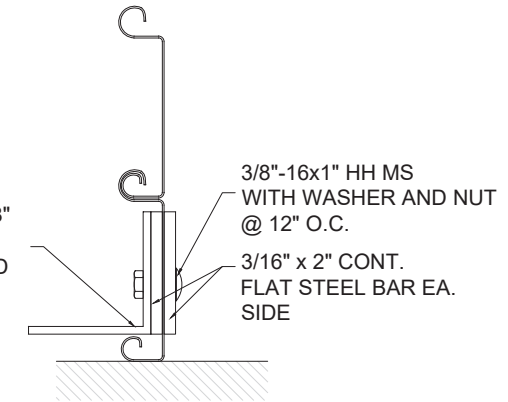


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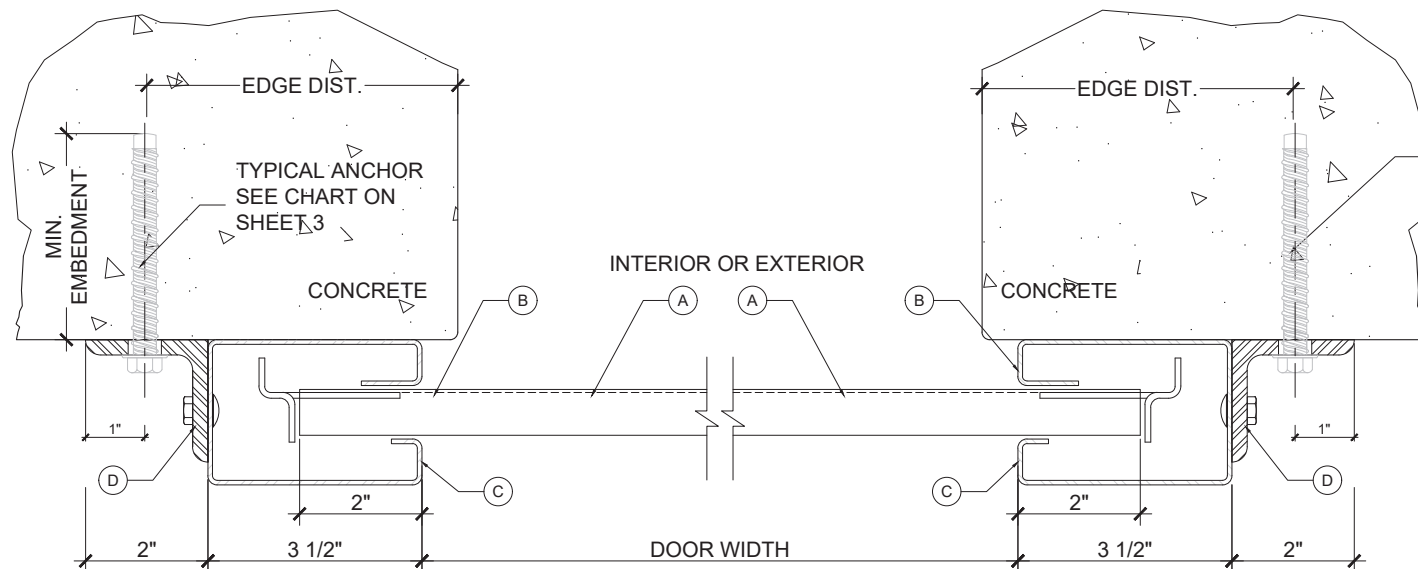


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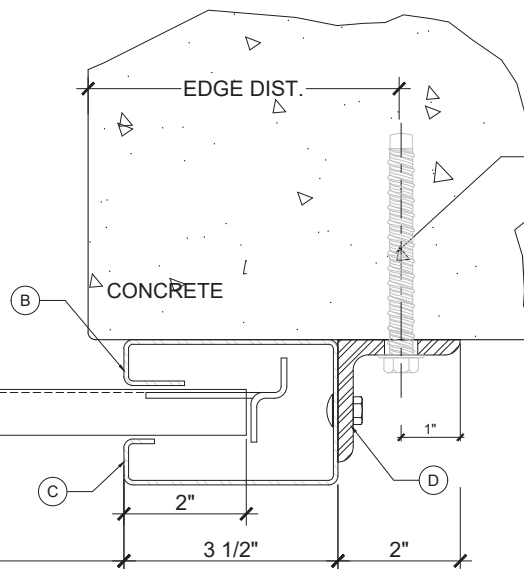
2" x 2" x 1/8"
STEEL
ANGLE 11 7/8"
LONG
AT EACH END



D BOTTOM BAR DETAIL



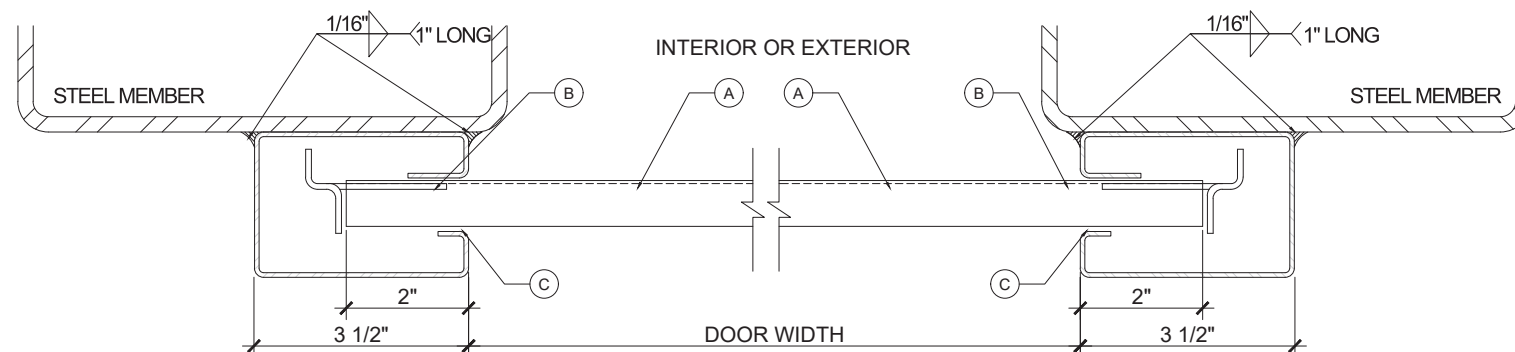
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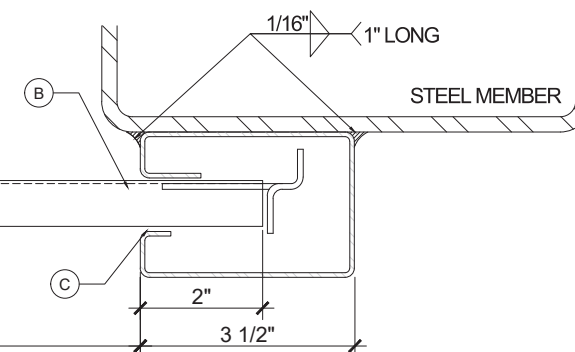
C

NOTES:
DOOR MAY BE INSTALLED ON THE INSIDE OR
OUTSIDE OF AN EXISTING OPENING.

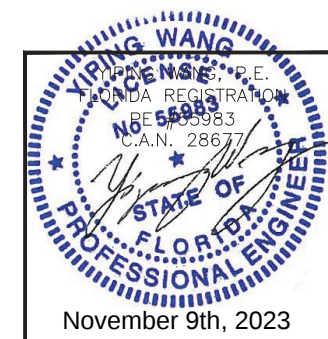
THE DETAILS CAN BE USED IN ANY
COMBINATION.



B



C



REVISIONS		NO. DATE		DESCRIPTION	
		R3	11.09.2023	UPDATE TO FBC 2023	

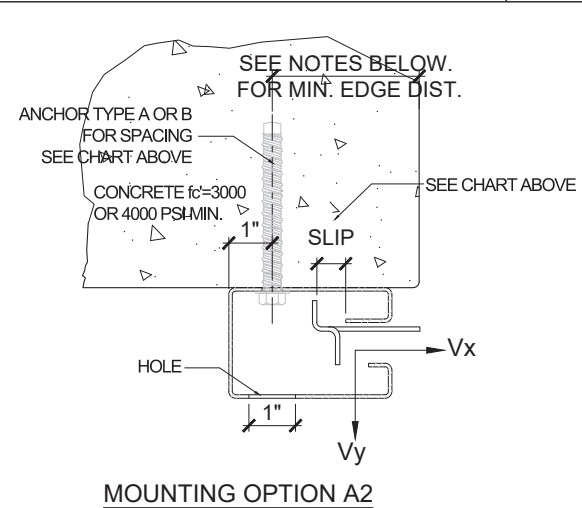
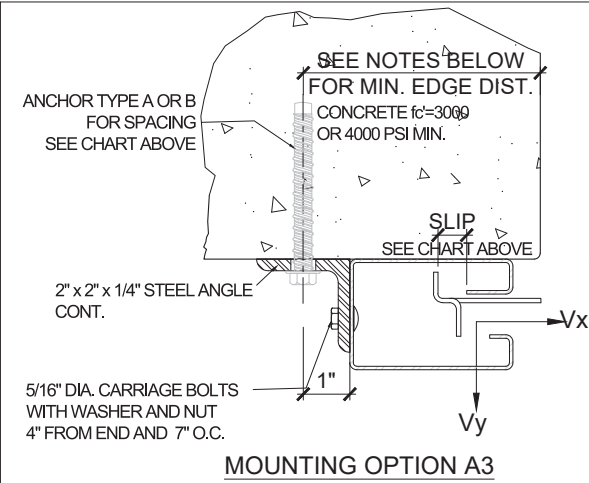
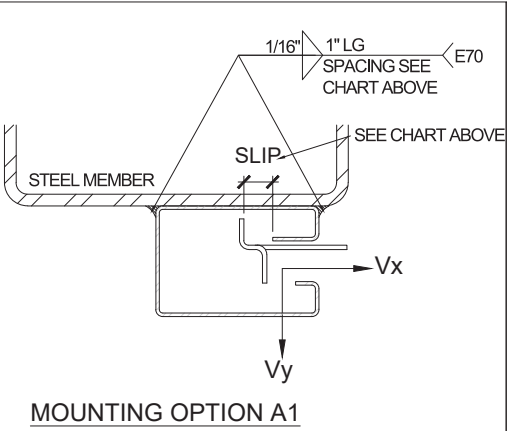
MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 P: 305.271.0117 MIRAMAR, FL 33027 www.MCYEngineering.com	
SERIES 1675 ROLLING DOOR (LMI & SMI) SOUTH FLORIDA ROLLING DOORS, INC. 3590 NW 34TH ST. MIAMI, FL 33142 P: (305) 556 - 6633 P: (305) 362 - 9477	

FL#	18604
DATE	11.09.2023
SCALE	AS NOTED
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DRAWING NO.	AD14-11
SHEET	2 of 4

			MAX. LOADS AT EACH SIDE OF JAMB		ANCHOR SPACING (INCHES)						
MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (IN)	DESIGN SLIP (IN)	V _x (LB/FT)	V _y (LB/FT)	MOUNTING A1	MOUNTING A2			MOUNTING A3		
					TYPE D	TYPE A	TYPE B	TYPE C	TYPE A	TYPE B	TYPE C
					STEEL	f _c ' = 3000 (PSI) MIN.					
±68	≤ 201.5	3/4	2050	591	7 1/2"	4 1/8"	6 1/4"	8"	4 3/4"	6 7/8"	8"
	180	1/2	2043	530	7 3/4"	4 1/8"	6 1/4"	8"	4 5/8"	6 7/8"	8"
	156	3/8	1818	462	8 3/4"	4 5/8"	7"	8"	5 1/4"	7 3/4"	8"
	132	1/4	1600	394	10"	5 1/4"	8"	8"	6"	8"	8"

			MAX. LOADS AT EACH SIDE OF JAMB		ANCHOR SPACING (INCHES)						
MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (IN)	DESIGN SLIP (IN)	V _x (LB/FT)	V _y (LB/FT)	MOUNTING A1	MOUNTING A2			MOUNTING A3		
					TYPE D	TYPE A	TYPE B	TYPE C	TYPE A	TYPE B	TYPE C
					STEEL	f _c ' = 4000 (PSI) MIN.					
±75	≤ 201.5	3/4	2265	652	7 1/2"	-	6 5/8"	7 3/4"	5"	7 1/4"	8 1/4"
	180	1/2	2261	584	7 3/4"	-	6 5/8"	7 3/4"	5"	7 1/4"	8 1/4"
	156	3/8	2022	509	8 3/4"	5"	7 3/8"	8"	5 5/8"	8 1/8"	8 1/4"
	132	1/4	1794	434	10"	5 5/8"	8"	8"	6 3/8"	8 1/4"	8 1/4"



TYPICAL ANCHORS @ JAMB:

(SEE CHART FOR SPACING)

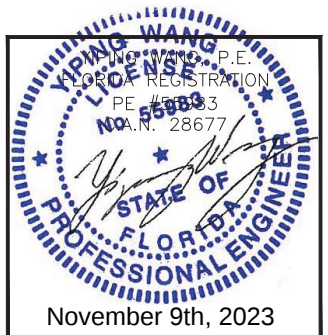
TYPE A. 1/2" DIA. LDT ANCHOR BY ITW (SEE CHART FOR SPACING)
DIRECTLY INTO f_c'=3000 OR 4000 PSI CONCRETE,
4 1/2" MIN. EMBED.
MIN EDGE 4" @ MOUNTING A2
MIN EDGE 4" @ MOUNTING A3

TYPE B. 3/8" DIA. WEDGE BOLT ANCHOR BY POWER
DIRECTLY INTO CONCRETE f_c'=3000 OR 4000 PSI MIN.
3 1/2" MIN. EMBED
MIN EDGE 4" @ MOUNTING A2
MIN EDGE 4" @ MOUNTING A3

TYPE C. 1/2" DIA. WEDGE BOLT ANCHOR BY POWER
DIRECTLY INTO CONCRETE f_c'=3000 OR 4000 PSI MIN.
4" MIN. EMBED
MIN EDGE 5" @ MOUNTING A2
MIN EDGE 5" @ MOUNTING A3

TYPE D. 1/16" x 1" LONG WELDS ELECTRODE E70
WELDED TO STEEL 3/16" MIN. THICK STEEL : F_y = 36 KSI MIN.
MOUNTING A1

TYPE E. 5/16 DIA. CARRIAGE BOLTS W/ WASHER & NUTS
CONNECT STEEL ANGLE TO TRACK @ 7" O.C.
MOUNTING A3



REVISIONS

NO	DATE	DESCRIPTION
R3	11.09.2023	UPDATE TO FBC 2023

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MCY@mcycengineering.com

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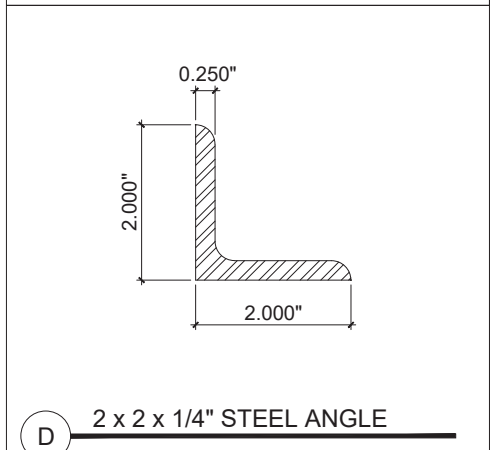
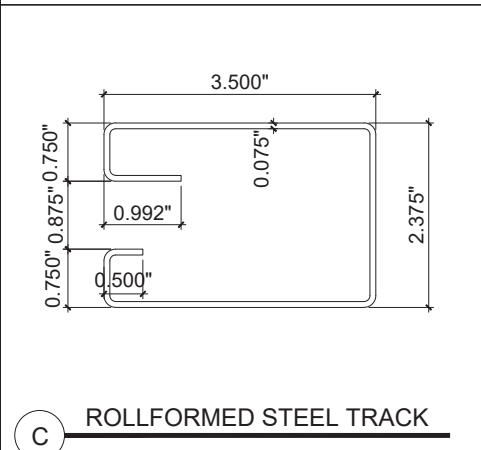
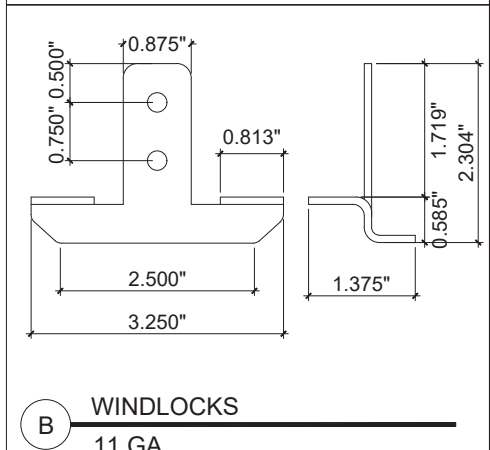
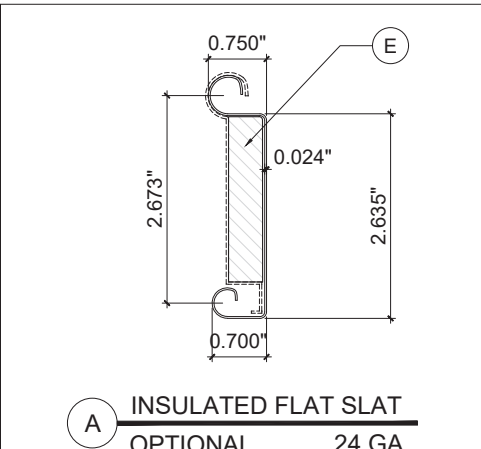
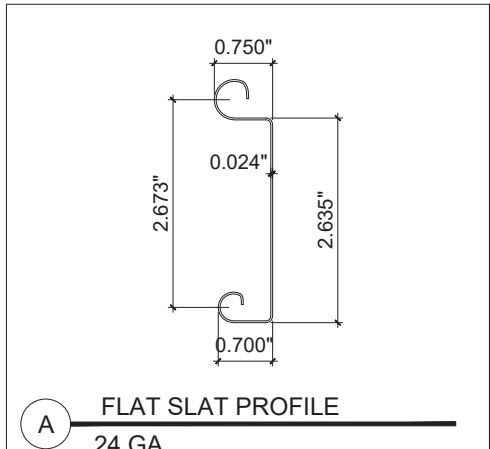
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3590 NW 34TH ST.

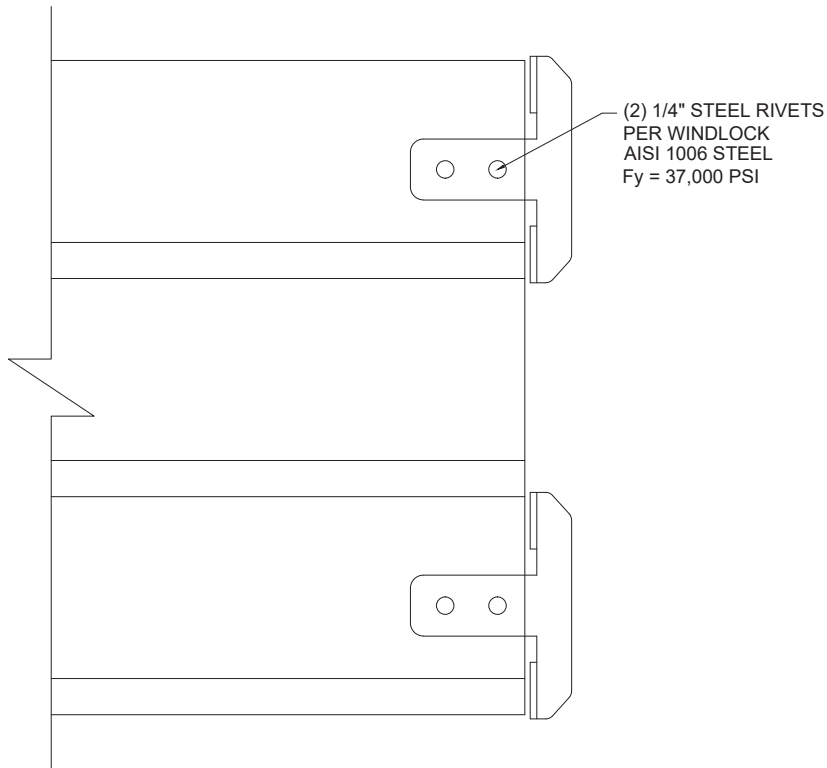
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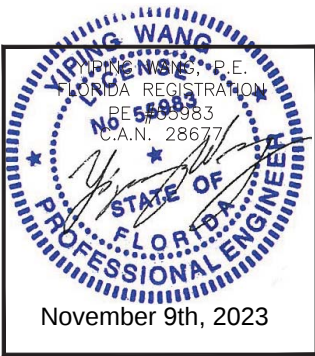
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DRAWING NO.	AD14-11
SHEET	3 of 4



BILL OF MATERIALS				
ITEM #	QTY.	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
A	AS REQD	24GA (0.024") FLAT SLAT	GALVANIZED STEEL OR STAINLESS STEEL	ASTM A653 Fy = 57 KSI OR STAINLESS STEEL AISI 304 Fy = 57KSI . SOUTH FLORIDA ROLLING DOOR, CORP
B	EVERY OTHER SLAT	11 GA WINDLOCKS	PLATED STEEL	ASTM A36 MIN. SOUTH FLORIDA ROLLING DOOR, CORP.
C	2 PER FRAME	ROLLFORMED STEEL TRACK	GALVANIZED STEEL	ASTM A36 MIN.
D	AS REQD.	2 x 2 x 1/4" STEEL ANGLE	GALVANIZED STEEL	ASTM A36 MIN.
E	AS REQD.	EXPANDED POLYSTYRENE BLOCK TYPE INSULATION	POLYSTYRENE	DYPLAST PRODUCTS LLC. (NOA 11-0926.07)



INTERLOCKING SLATS W/ WINDLOCKS
@ EVERY OTHER SLAT



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SHEET 4 of 4