



Product Approval
USER: Public User

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

OFFICE OF THE
SECRETARY

FL #	FL18604-R4								
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	FL18604_R4_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

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](#)

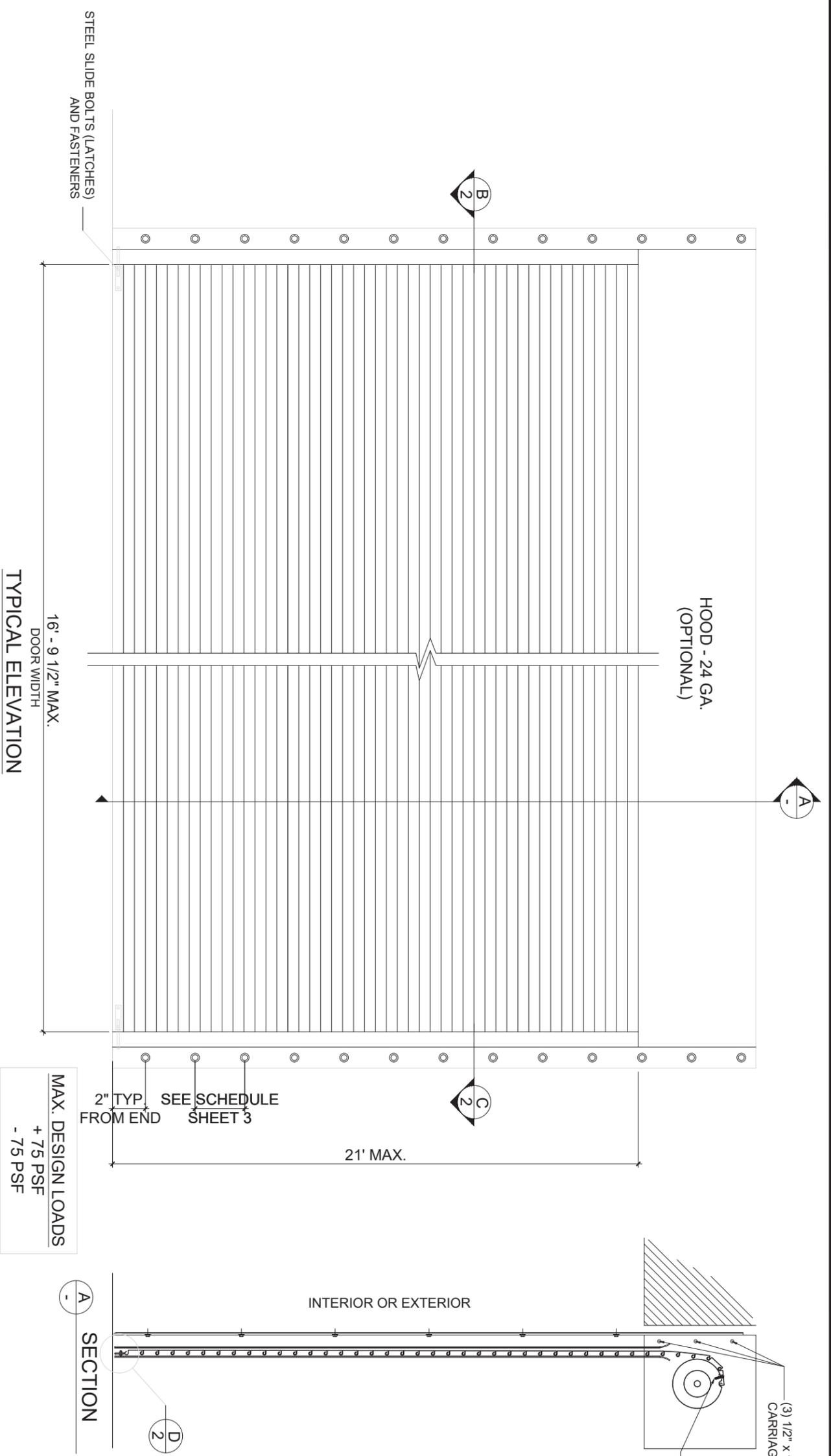
[Contact Us](#) :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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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.

TYPICAL ELEVATION

DOOR WIDTH
16' - 9 1/2" MAX.

MAX. DESIGN LOADS
+ 75 PSF
- 75 PSF

2" TYP. FROM END
SEE SCHEDULE SHEET 3

21' MAX.

INTERIOR OR EXTERIOR

(3) 1/2" x 1 1/2" HH
CARRIAGE BOLT
5/16" - 18 X 1"
LG HH BOLT
17" FROM END
& 44" O.C. MAX.

SECTION

D
2

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. AS PART OF 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 THE SITE CONDITIONS AND BASED HERE 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 PROFESSIONAL ENGINEER AND SHALL 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.

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

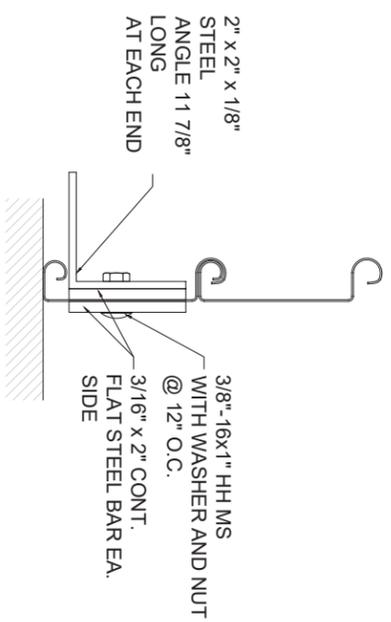
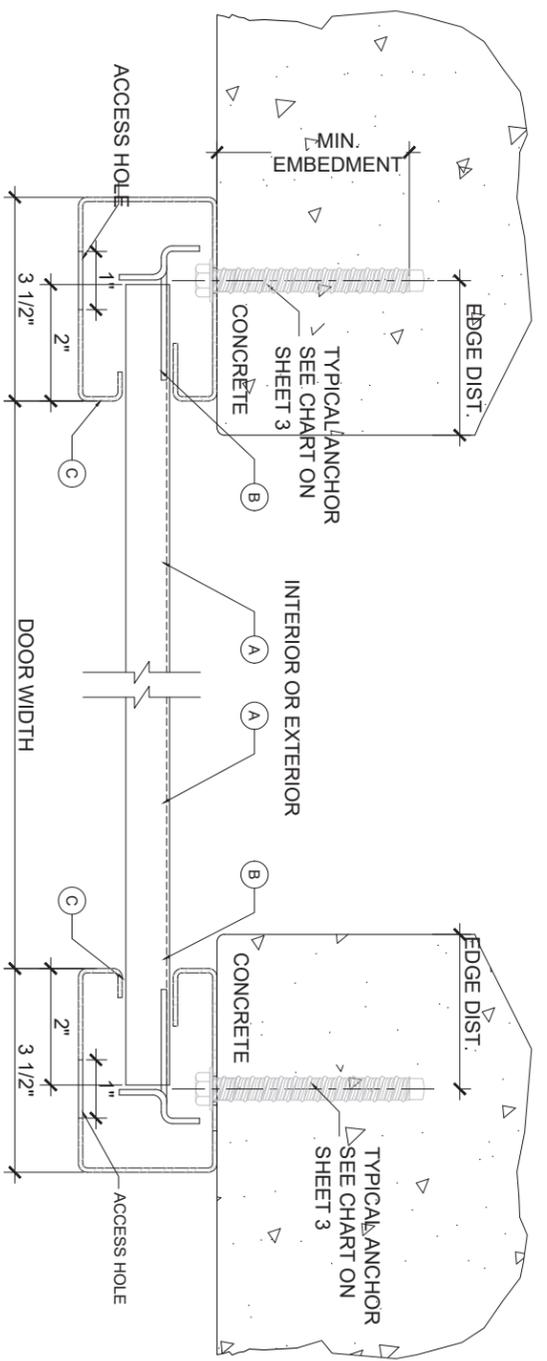
SERIES 1675 ROLLING DOOR (LMI & SMI)
SOUTH FLORIDA ROLLING DOORS, INC.

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

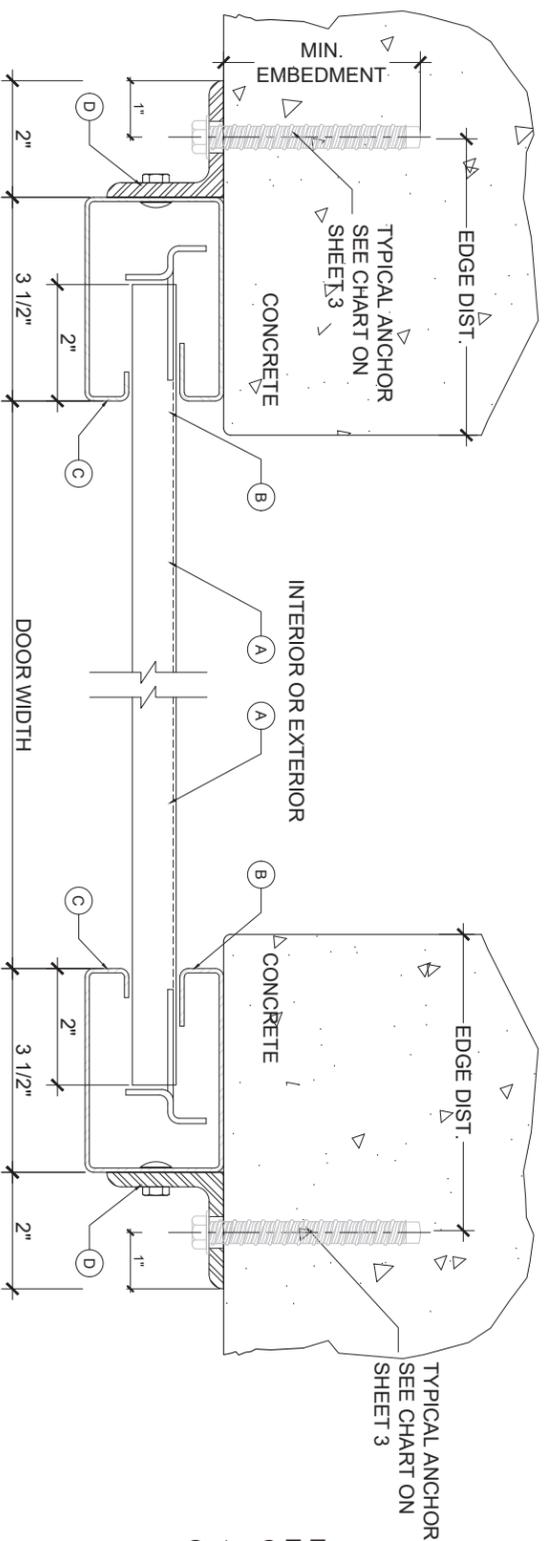
PROFESSIONAL ENGINEER
STATE OF FLORIDA
NO. 55983
C.A. #598377
RONG MANG
LICENSED PROFESSIONAL ENGINEER

November 9th, 2023

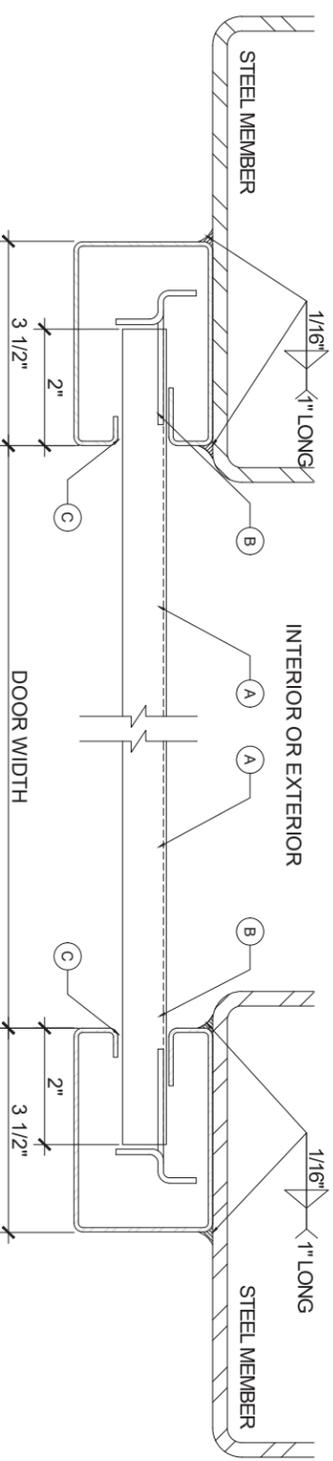
PI#	18604
DATE	11.09.2023
SCALE	AS NOTED
DRAWN	James
DRAWING NO.	AD14-11
SHEET	1 of 4



D BOTTOM BAR DETAIL

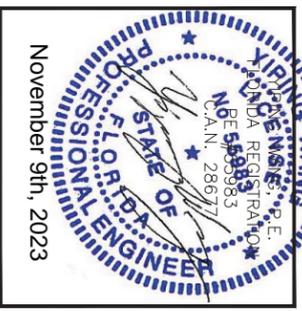


NOTES:
 DOOR MAY BE INSTALLED ON THE INSIDE OR
 OUTSIDE OF AN EXISTING OPENING.
 THE DETAILS CAN BE USED IN ANY
 COMBINATION.



B

C



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		MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 P: 305.271.0117 MIRAMAR, FL 33027 www.MCYEngineering.com MCY@mcyengineering.com		REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>R3</td> <td>11.09.2023</td> <td>UPDATE TO FBC 2023</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	R3	11.09.2023	UPDATE TO FBC 2023						
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R3	11.09.2023	UPDATE TO FBC 2023														
FT.# 18604 DATE 11.09.2023 SCALE AS NOTED DRAWN James	DRAWING NO. AD14-11	SHEET 2 of 4	November 9th, 2023													

MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (IN)	DESIGN SLIP (IN)	Vx (LB/FT)	Vy (LB/FT)	ANCHOR SPACING (INCHES)						
					MOUNTING A1 TYPE D	MOUNTING A2 TYPE A	MOUNTING A2 TYPE B	MOUNTING A2 TYPE C	MOUNTING A3 TYPE A	MOUNTING A3 TYPE B	MOUNTING A3 TYPE C
#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"
#75	132	1/4	1600	394	10"	5 1/4"	8"	8"	6"	8"	8"

MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (IN)	DESIGN SLIP (IN)	Vx (LB/FT)	Vy (LB/FT)	ANCHOR SPACING (INCHES)								
					MOUNTING A1 TYPE D	MOUNTING A2 TYPE A	MOUNTING A2 TYPE B	MOUNTING A2 TYPE C	MOUNTING A3 TYPE A	MOUNTING A3 TYPE B	MOUNTING A3 TYPE C		
#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 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.

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

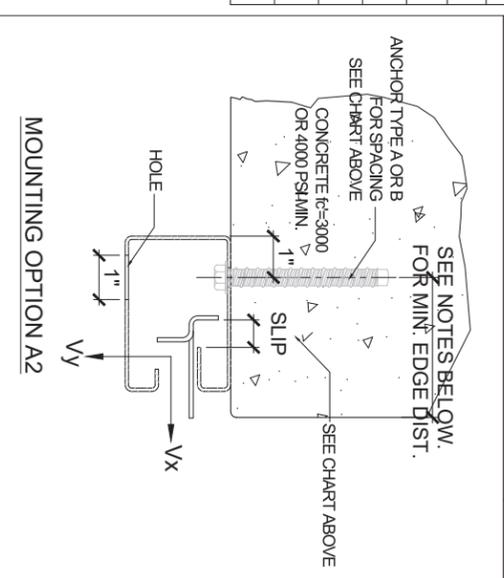
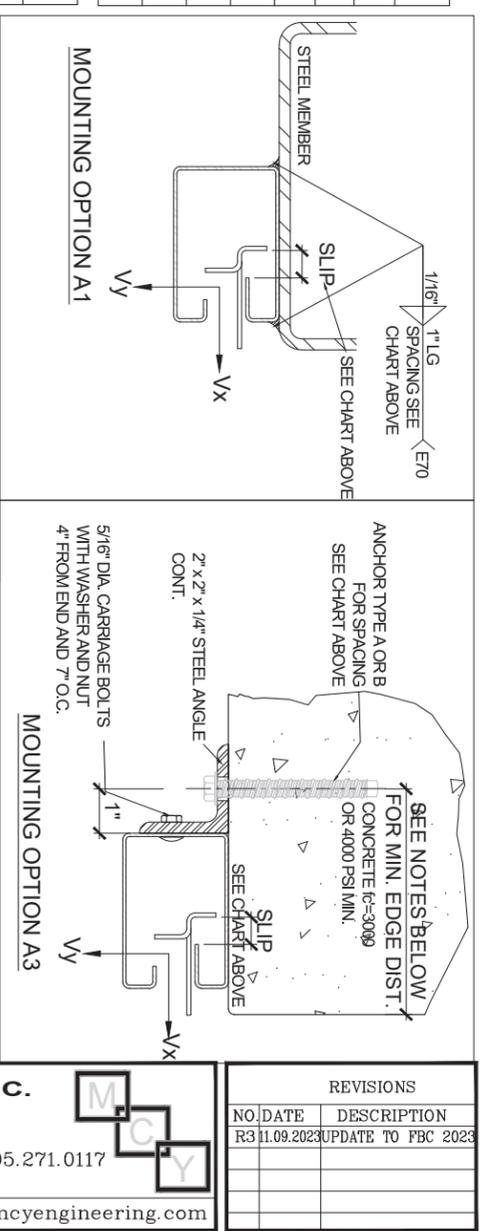
TYPE C. 1/2" DIA. WEDGE BOLT ANCHOR BY POWER

DIRECTLY INTO CONCRETE $f_c=3000$ OR 4000 PSI MIN.

4" MIN. EMBED

MIN EDGE 5" @ MOUNTING A2

MIN EDGE 5" @ MOUNTING A3



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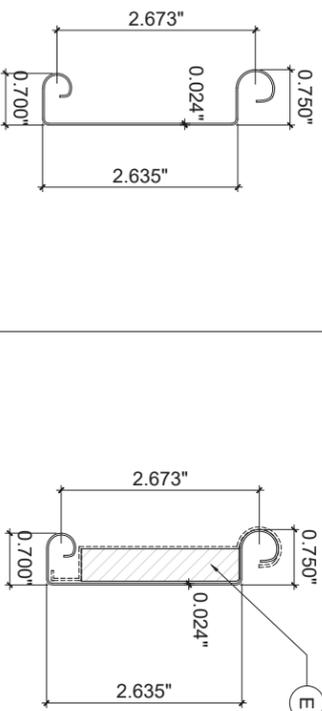
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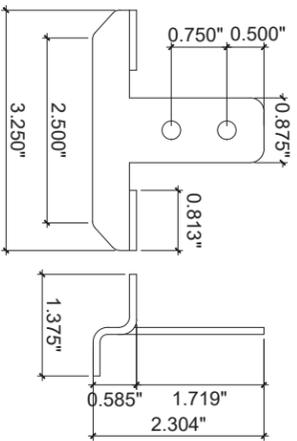


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SHEET	3 of 4

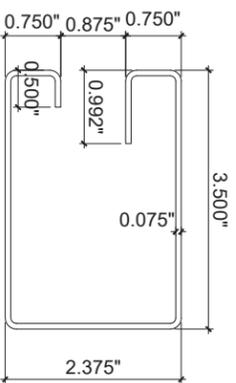
BILL OF MATERIALS				
ITEM #	QTY.	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
A	AS REQD	24GA (0.024") FLAT SLAT	GALVANIZED STEEL OR STAINLESS STEEL	ASTM A653 Fy = 57 KSI OR STAINLESS STEEL AISI 304 Fy = 57KSI . SOUTH FLORIDA ROLLING DOOR, CORP
B	EVERY OTHER SLAT	11 GA WINDLOCKS	PLATED STEEL	ASTM A36 MIN. 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)



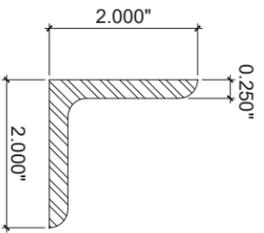
A
INSULATED FLAT SLAT
OPTIONAL
24 GA



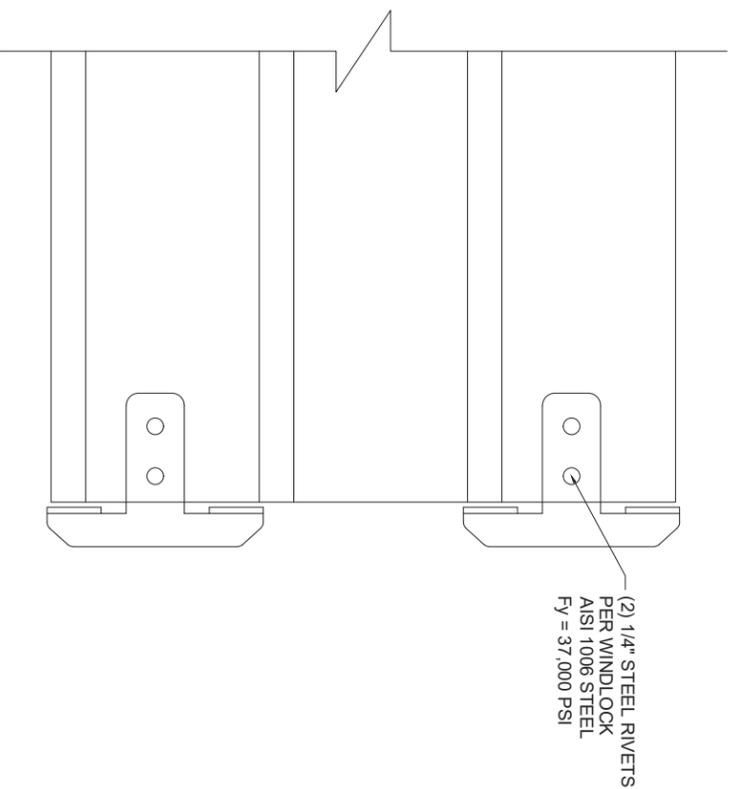
B
WINDLOCKS
11 GA



C
ROLLFORMED STEEL TRACK



D
2 x 2 x 1/4" STEEL ANGLE



INTERLOCKING SLATS W/ WINDLOCKS

@ EVERY OTHER SLAT

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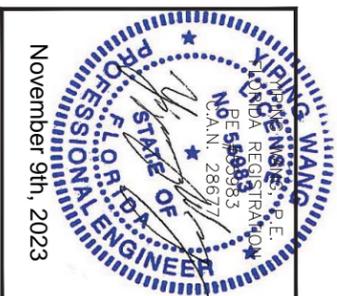
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