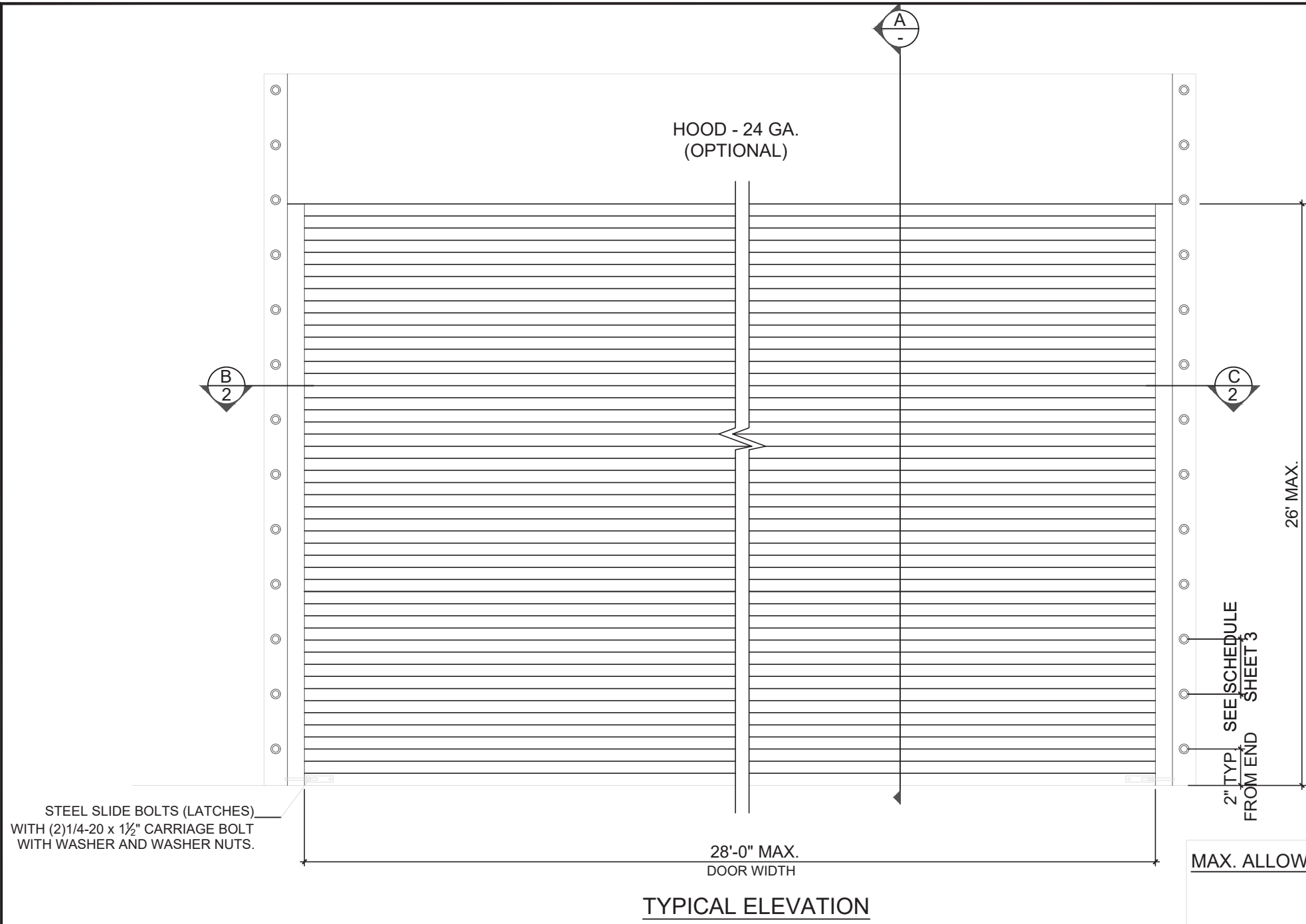


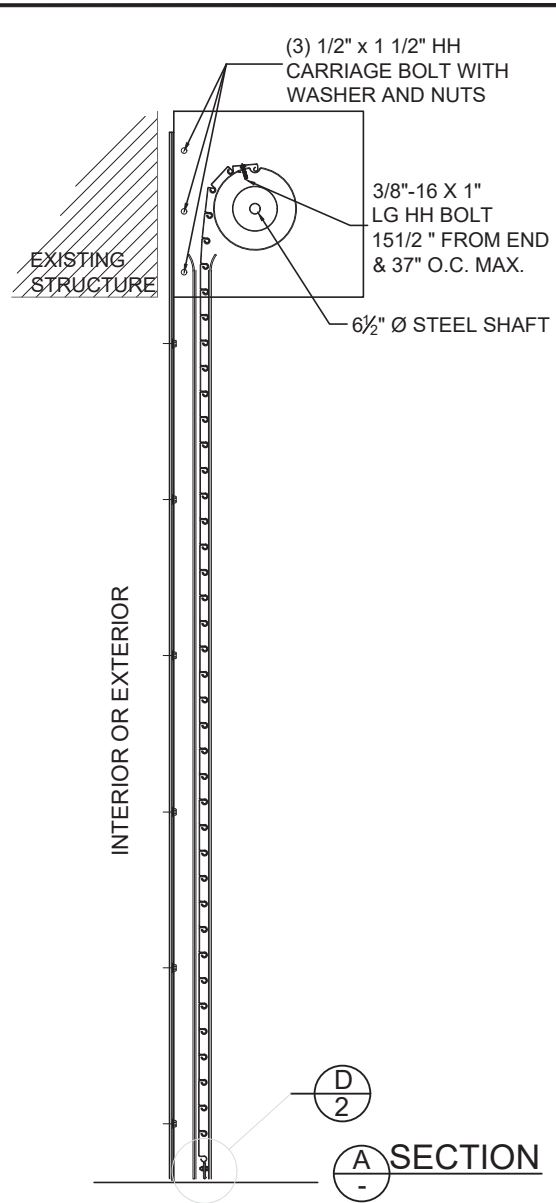


TYPICAL ELEVATION

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), INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- THE ROLL UP DOOR HAS 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.

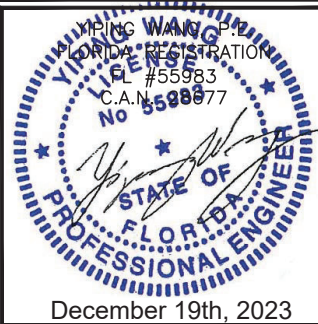
- SLAT TO BE 22 GA. ASTM A653 DESIGNATION G - 90 FINISH TYPE COATING
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 8TH EDITION 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 V_x & V_y FORCES AT BOTH JAMBS. REFER TO SHEET 3 FOR V_x AND V_y.
- 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.



SECTION A-A

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.

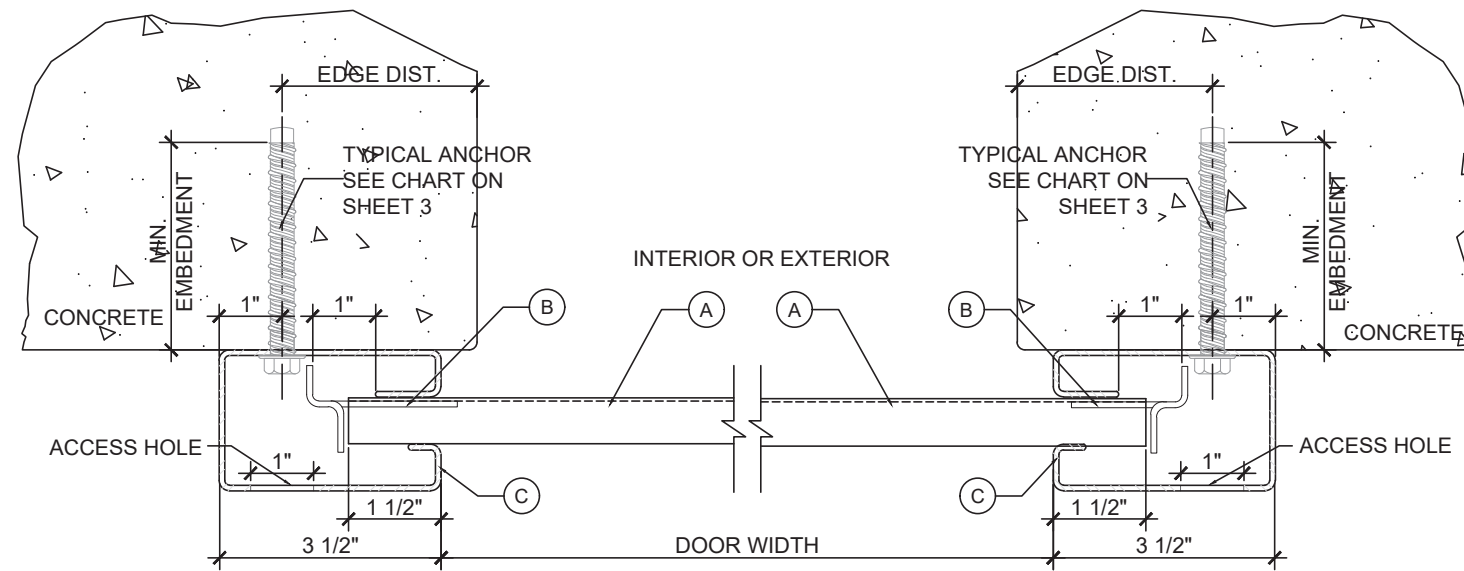


REVISIONS	
NO.	DATE
1	11.09.2023
2	11.09.2023
3	11.09.2023
4	11.09.2023
5	11.09.2023
6	11.09.2023
7	11.09.2023
8	11.09.2023
9	11.09.2023
10	11.09.2023
11	11.09.2023
12	11.09.2023
13	11.09.2023
14	11.09.2023
15	11.09.2023
16	11.09.2023
17	11.09.2023
18	11.09.2023
19	11.09.2023
20	11.09.2023
21	11.09.2023
22	11.09.2023
23	11.09.2023
24	11.09.2023
25	11.09.2023
26	11.09.2023
27	11.09.2023
28	11.09.2023
29	11.09.2023
30	11.09.2023
31	11.09.2023
32	11.09.2023
33	11.09.2023
34	11.09.2023
35	11.09.2023
36	11.09.2023
37	11.09.2023
38	11.09.2023
39	11.09.2023
40	11.09.2023
41	11.09.2023
42	11.09.2023
43	11.09.2023
44	11.09.2023
45	11.09.2023
46	11.09.2023
47	11.09.2023
48	11.09.2023
49	11.09.2023
50	11.09.2023
51	11.09.2023
52	11.09.2023
53	11.09.2023
54	11.09.2023
55	11.09.2023
56	11.09.2023
57	11.09.2023
58	11.09.2023
59	11.09.2023
60	11.09.2023
61	11.09.2023
62	11.09.2023
63	11.09.2023
64	11.09.2023
65	11.09.2023
66	11.09.2023
67	11.09.2023
68	11.09.2023
69	11.09.2023
70	11.09.2023
71	11.09.2023
72	11.09.2023
73	11.09.2023
74	11.09.2023
75	11.09.2023
76	11.09.2023
77	11.09.2023
78	11.09.2023
79	11.09.2023
80	11.09.2023
81	11.09.2023
82	11.09.2023
83	11.09.2023
84	11.09.2023
85	11.09.2023
86	11.09.2023
87	11.09.2023
88	11.09.2023
89	11.09.2023
90	11.09.2023
91	11.09.2023
92	11.09.2023
93	11.09.2023
94	11.09.2023
95	11.09.2023
96	11.09.2023
97	11.09.2023
98	11.09.2023
99	11.09.2023
100	11.09.2023

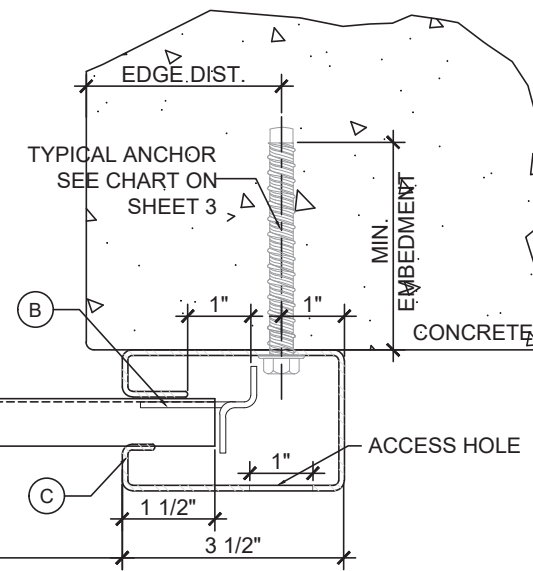
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR, FL 33027
www.MCYEngineering.com
MCY@mcyengineering.com

SERIES 2865 GARAGE DOOR (LMI & SMI)
SOUTH FLORIDA ROLLING DOORS, INC.
3590 NW 34TH ST.
MIAMI, FL. 33142
P: (305) 556 - 6633 F: (305) 556 - 2609

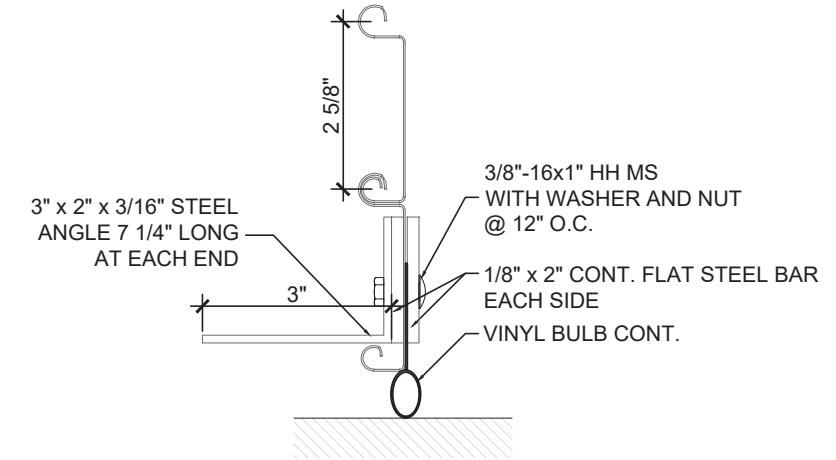
FLORIDA APPROVAL	
FL #20399	
DATE	11.09.2023
SCALE	AS SHOWN
DRAWN	James
PROJECT	MCY 16-015
DRAWING NO.	
AD16-07	
SHEET 1 of 4	



B

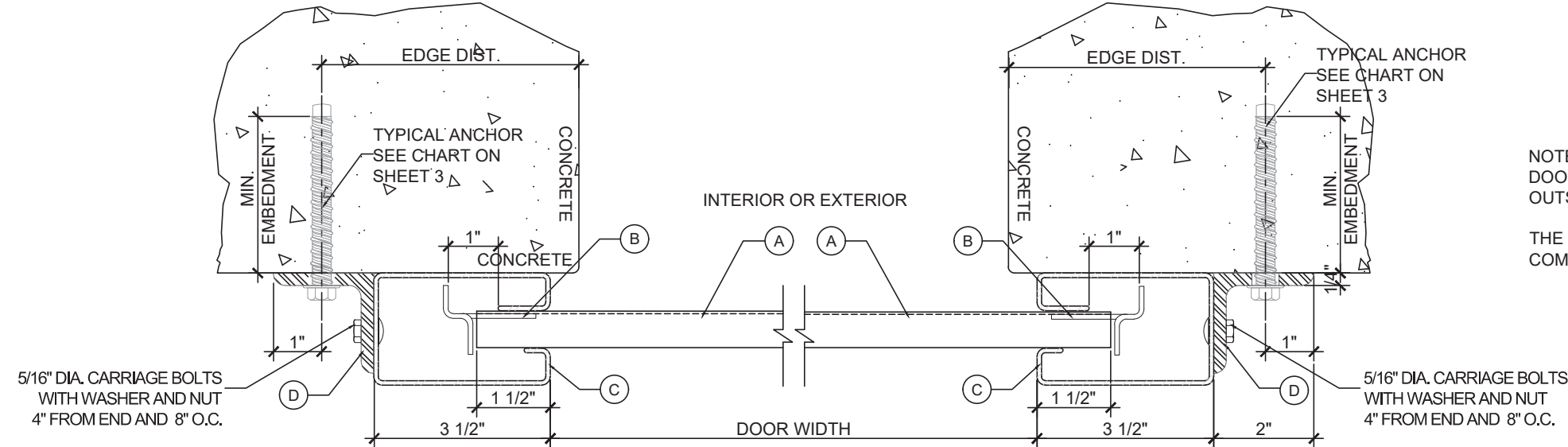


C

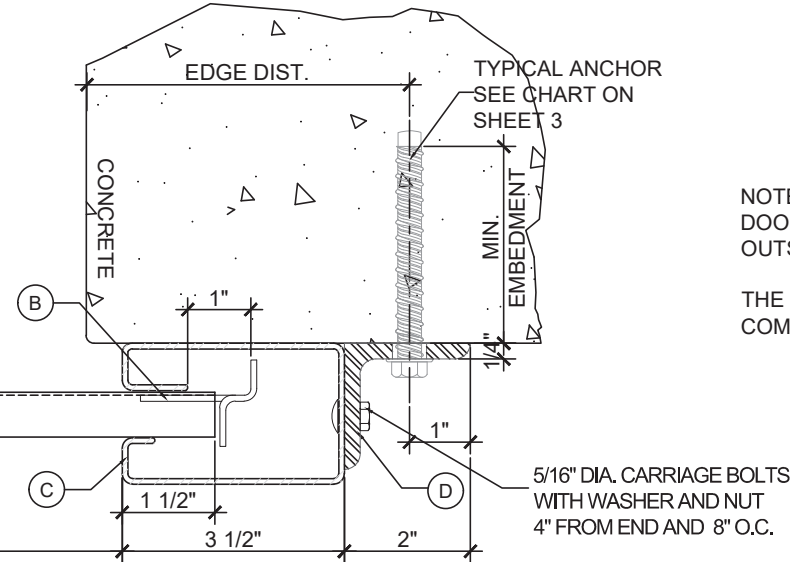


D BOTTOM BAR DETAIL

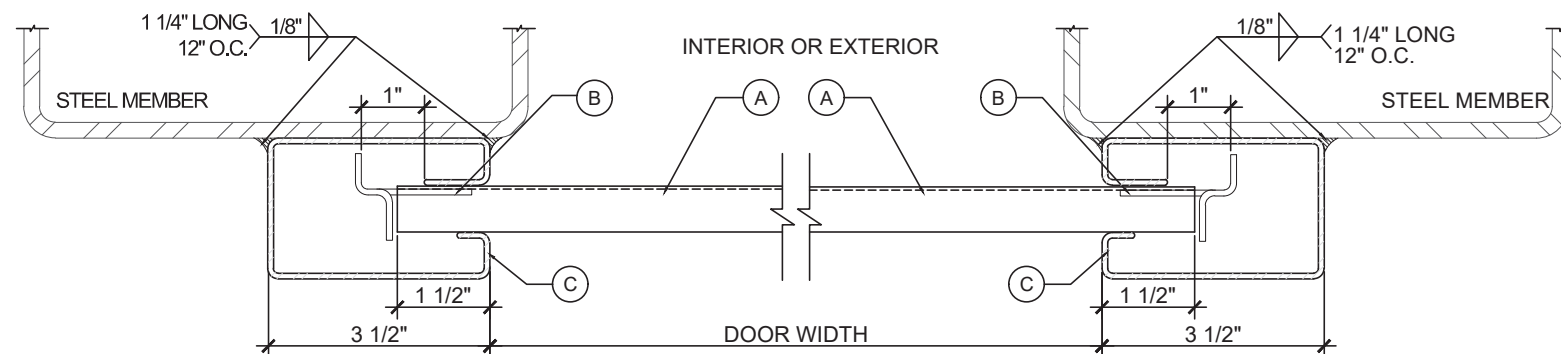
NOTES:
DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXISTING OPENING.
THE DETAILS CAN BE USED IN ANY COMBINATION.



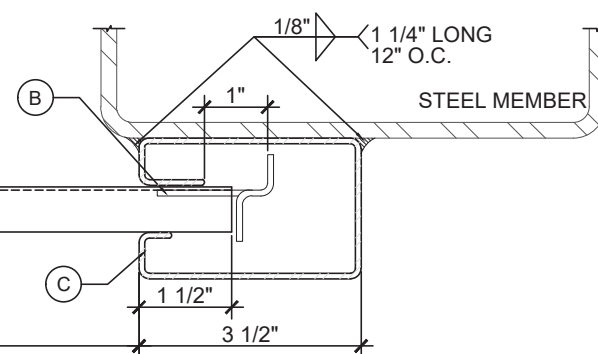
B



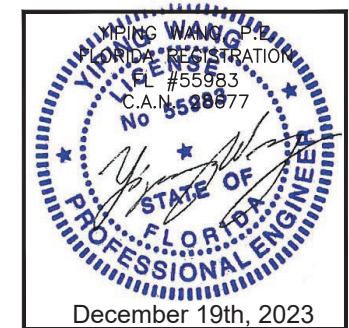
C



B



C



REVISIONS	NO.	DATE	DESCRIPTION
	R3	11.09.2023	UPDATE PBC 2023

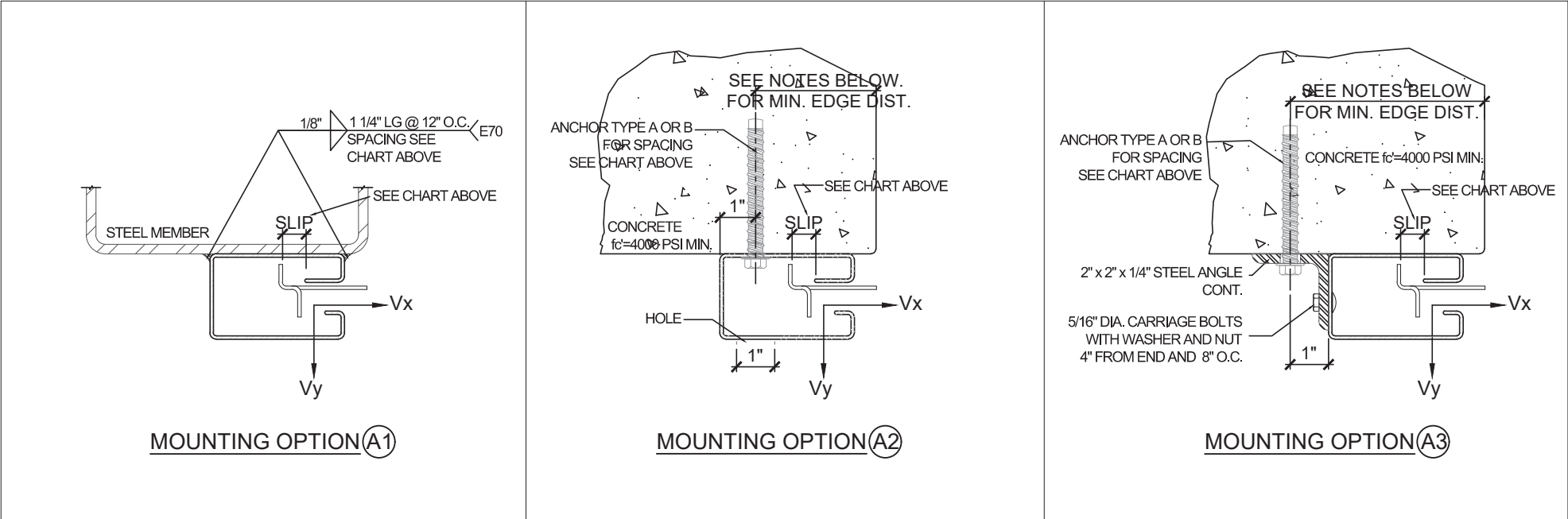
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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

SERIES 2865 GARAGE DOOR (LMI & SMI)
SOUTH FLORIDA ROLLING DOORS, INC.
3590 NW 34TH ST.
MIAMI, FL. 33142
P: (305) 556 - 6633 F: (305) 556 - 2609

FLORIDA APPROVAL FL #20399	
DATE	11.09.2023
SCALE	AS SHOWN
DRAWN	James
PROJECT	MCY 16-015
DRAWING NO. AD16-07	
SHEET 2 of 4	

			MAX. LOADS AT EACH SIDE OF JAMB		ANCHOR SPACING (INCHES)				
MAXIMUM DESIGN LOAD (PSF)	DOOR WIDTH (FT)	DESIGN SLIP (IN)	V _x (LB/FT)	V _y (LB/FT)	MOUNTING (A1)	MOUNTING (A2)		MOUNTING (A3)	
					TYPE C	TYPE A	TYPE B	TYPE A	TYPE B
					STEEL	f _c ' = 4000 (PSI) MIN.			
±65	28	1	3611	929	12"	4 1/4"	5"	4 1/4"	5"
	26	1	3268	864	12"	4 3/4"	5 1/2"	4 3/4"	5 1/2"
	24	1	2925	799	12"	5 1/4"	6"	5 1/4"	6"
	22	1	2583	734	12"	6"	6 3/4"	6"	6 3/4"
	20	1	2239	669	12"	6 3/4"	7 3/4"	6 3/4"	7 3/4"
	18	1	1892	604	12"	8"	8"	8"	8"



TYPICAL ANCHOR TYPES:

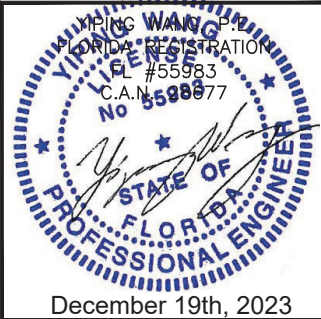
(SEE CHART FOR SPACING)

TYPE A. 3/8" DIA. WEDGE BOLT ANCHOR BY POWERS
DIRECTLY INTO CONCRETE f_c'=4000 PSI MIN.
3 1/2" MIN. EMBED
4 1/2" MIN. EDGE DIST.
4" MIN. SPACING

TYPE B. 1/2" DIA. WEDGE BOLT ANCHOR BY POWERS
DIRECTLY INTO CONCRETE f_c'=4000 PSI MIN.
4" MIN. EMBED
5" MIN. EDGE DIST.
5" MIN. SPACING

TYPE C. 1/8" x 1 1/4" LONG WELDS ELECTRODE E70
WELDED TO STEEL 3/16" MIN. THICK STEEL : F_y = 36 KSI MIN.
MOUNTING A1 ONLY

STRUCTURE TO BE DETERMINATED
BY PROJECT DEDICATED ENGINEER.

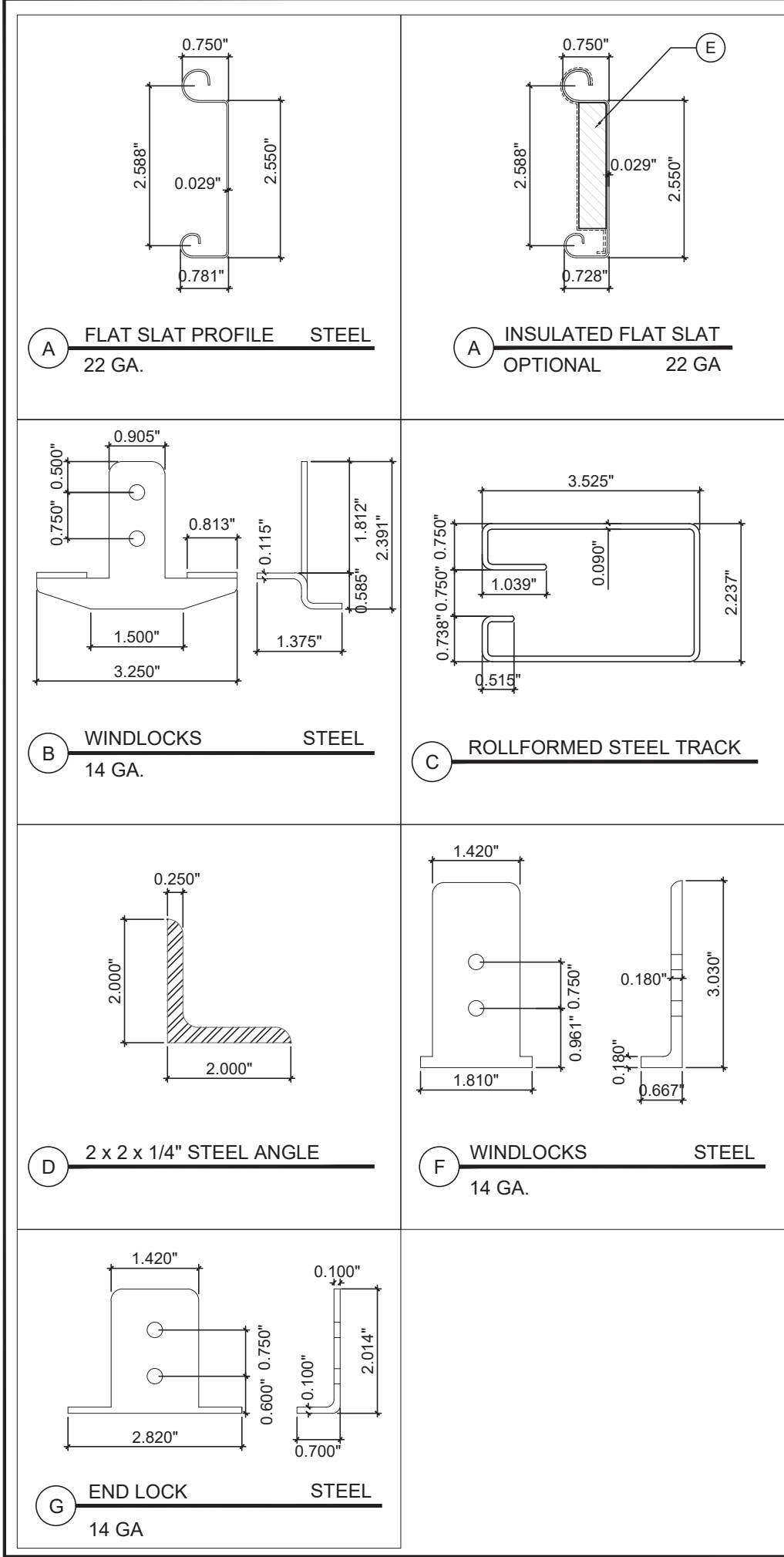


REVISIONS	
NO.	DESCRIPTION
R3	11.09.2023 UPDATE FBC 2023

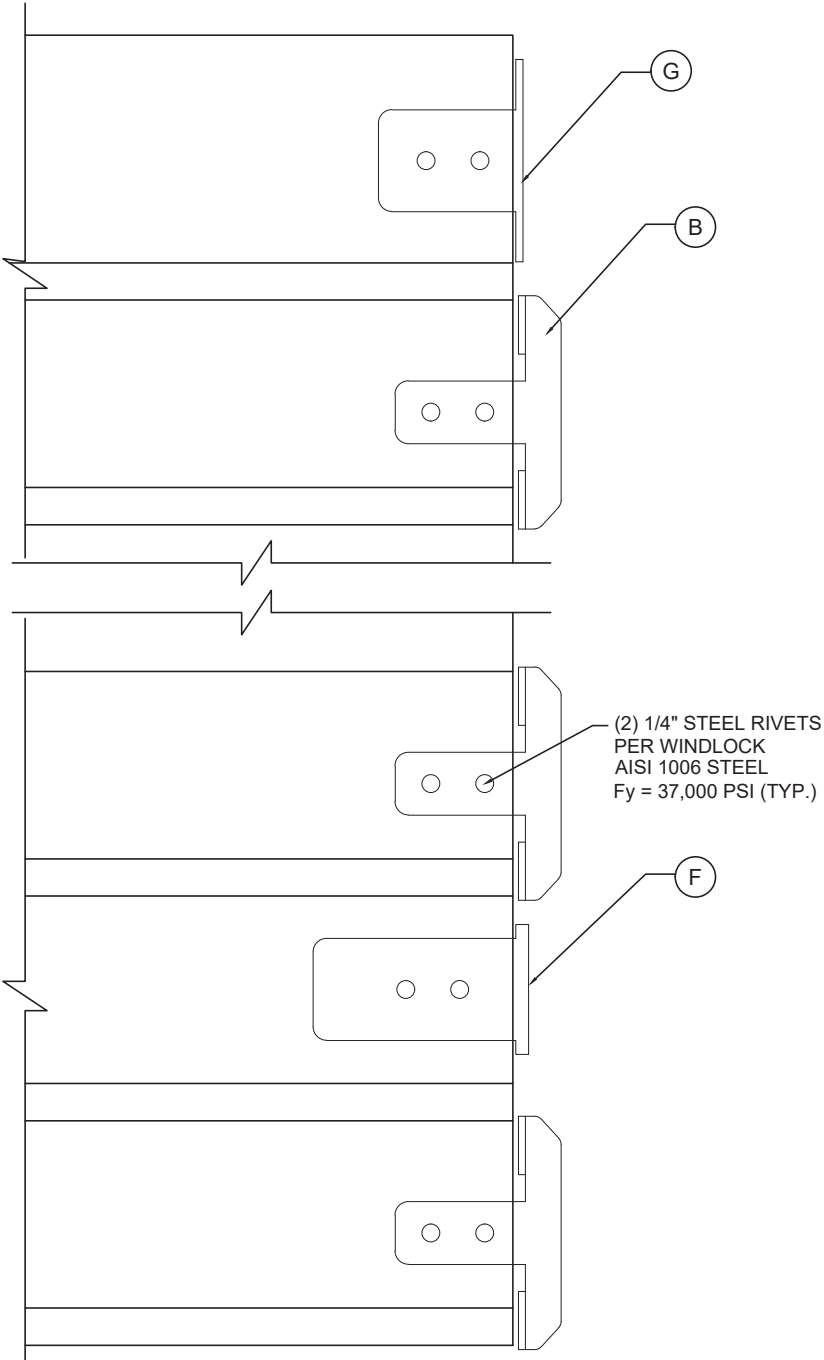
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR, FL 33027
www.MCYEngineering.com

SERIES 2865 GARAGE DOOR (LMI & SMI)
SOUTH FLORIDA ROLLING DOORS, INC.
3590 NW 34TH ST.
MIAMI, FL. 33142
P: (305) 556 - 6633 F: (305) 556 - 2609

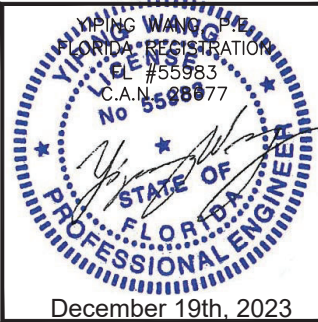
FLORIDA APPROVAL FL #20399	
DATE	11.09.2023
SCALE	AS SHOWN
DRAWN	James
PROJECT	MCY 16-015
DRAWING NO. AD16-07	
SHEET 3 of 4	



BILL OF MATERIALS				
ITEM #	QTY.	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
A	AS REQD.	22 GA. (0.029") FLAT SLAT	GALVANIZED STEEL OR STAINLESS STEEL	ASTM A653 Fy = 62 KSI OR STAINLESS STEEL AISI 304 Fy = 62 KSI . SOUTH FLORIDA ROLLING DOOR, CORP
B	EVERY OTHER SLAT	14 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)
F	EVERY OTHER SLAT	14 GA. WINDLOCKS	PLATED STEEL	ASTM A36 MIN. SOUTH FLORIDA ROLLING DOOR, CORP.
G	6 AT LAST TOP SLAT	14 GA. ENDLOCKS	PLATED STEEL	ASTM A36 MIN. SOUTH FLORIDA ROLLING DOOR, CORP.



INTERLOCKING SLATS AND WINDLOCKS DETAIL



REVISIONS		
NO.	DATE	DESCRIPTION
1	11.09.2023	UPDATE P&C 2023



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

SERIES 2865 GARAGE DOOR (LMI & SMI)

SOUTH FLORIDA ROLLING DOORS, INC.
3590 NW 34TH ST.
MIAMI, FL. 33142
P: (305) 556 - 6633 F: (305) 556 - 2609

FLORIDA APPROVAL: FL #20399	
DATE	11.09.2023
SCALE	AS SHOWN
DRAWN	James
PROJECT	MCY 16-015
DRAWING NO. AD16-07	
SHEET 4 of 4	