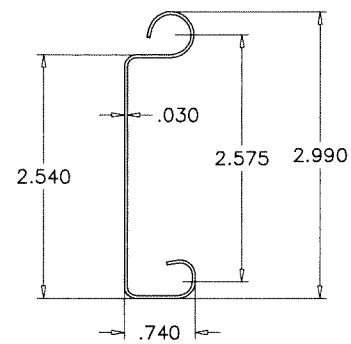
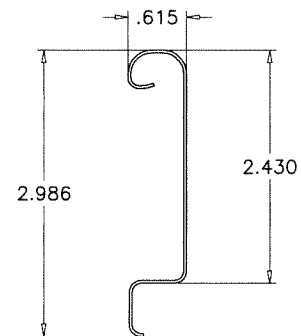




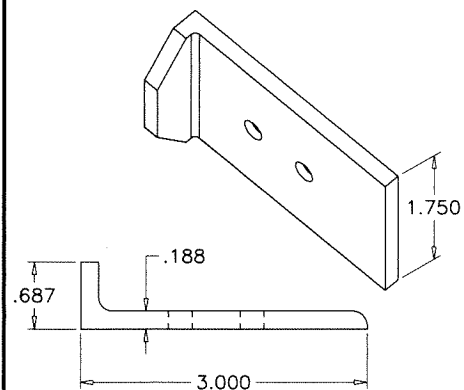
SLAT

22 GA. COLD FORMED STEEL (ASTM A653)
MIN. YIELD STRENGTH OF 50000 PSI
GALVANIZED ACCORDING TO ASTM A-525
WITH A COATING DESIGNATION OF G-90
EXTERIOR AND INTERIOR



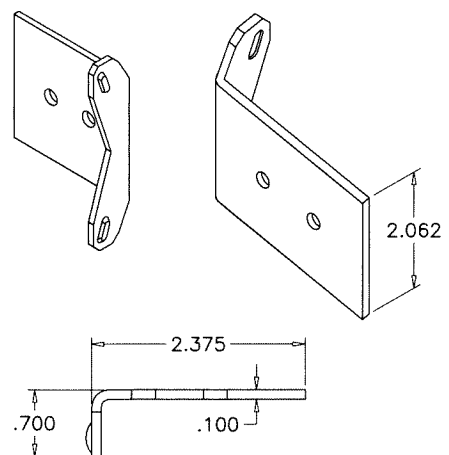
INSULATED SLAT COVER

24 GA. COLD FORMED STEEL



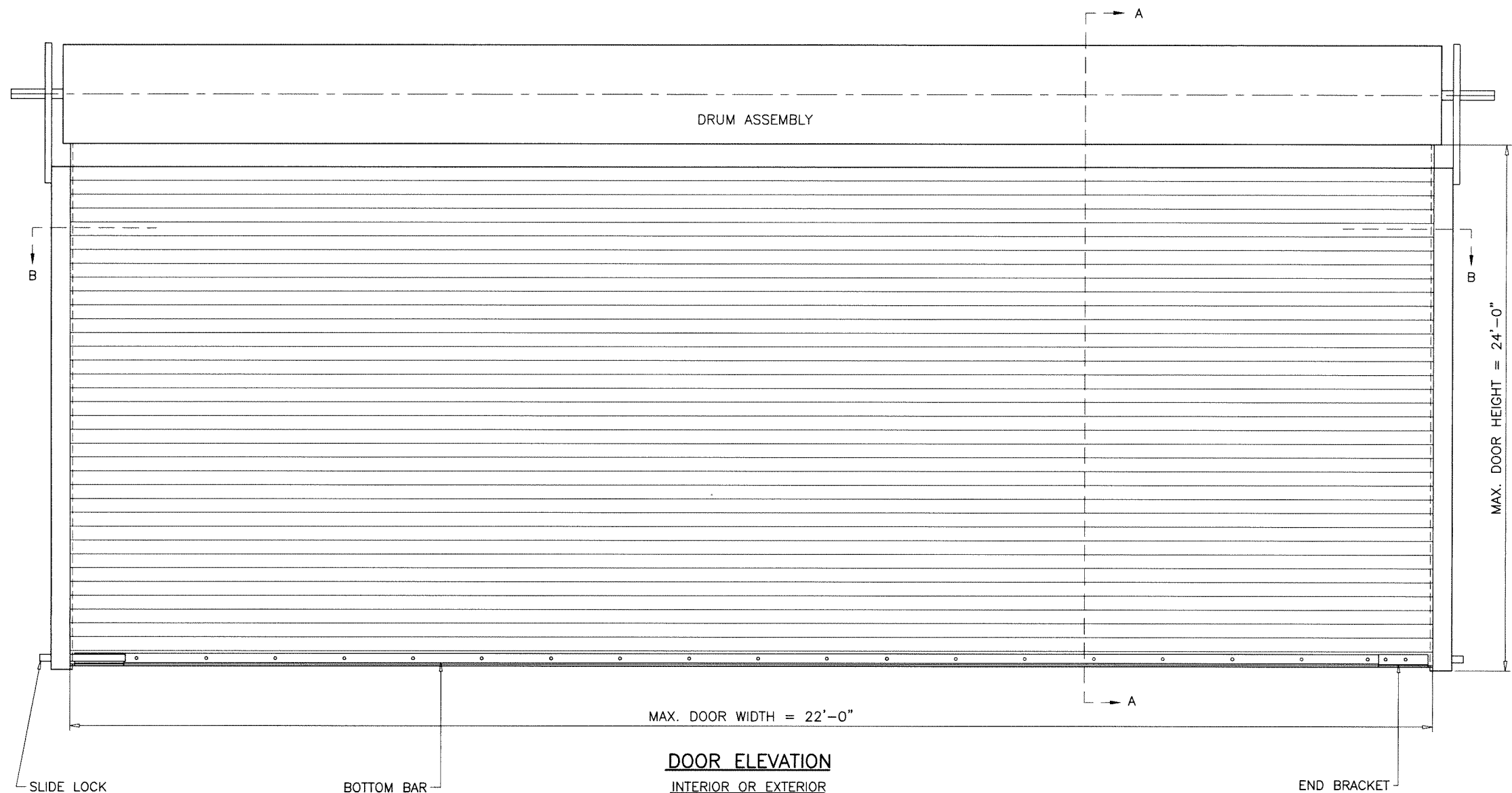
WIND LOCK 'A'

HOT ROLLED STEEL ANGLE



WIND LOCK 'B'

14 GA. COLD FORMED GALV. STEEL



DOOR ELEVATION

INTERIOR OR EXTERIOR

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

THIS PRODUCT IS RATED FOR LARGE MISSILE IMPACT

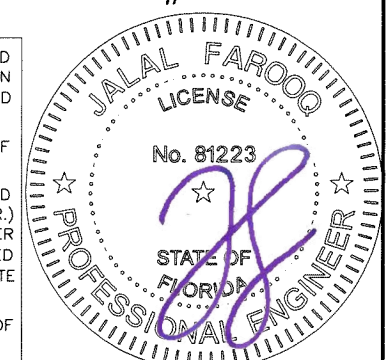
GENERAL NOTES

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION) FLORIDA BUILDING CODE 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.

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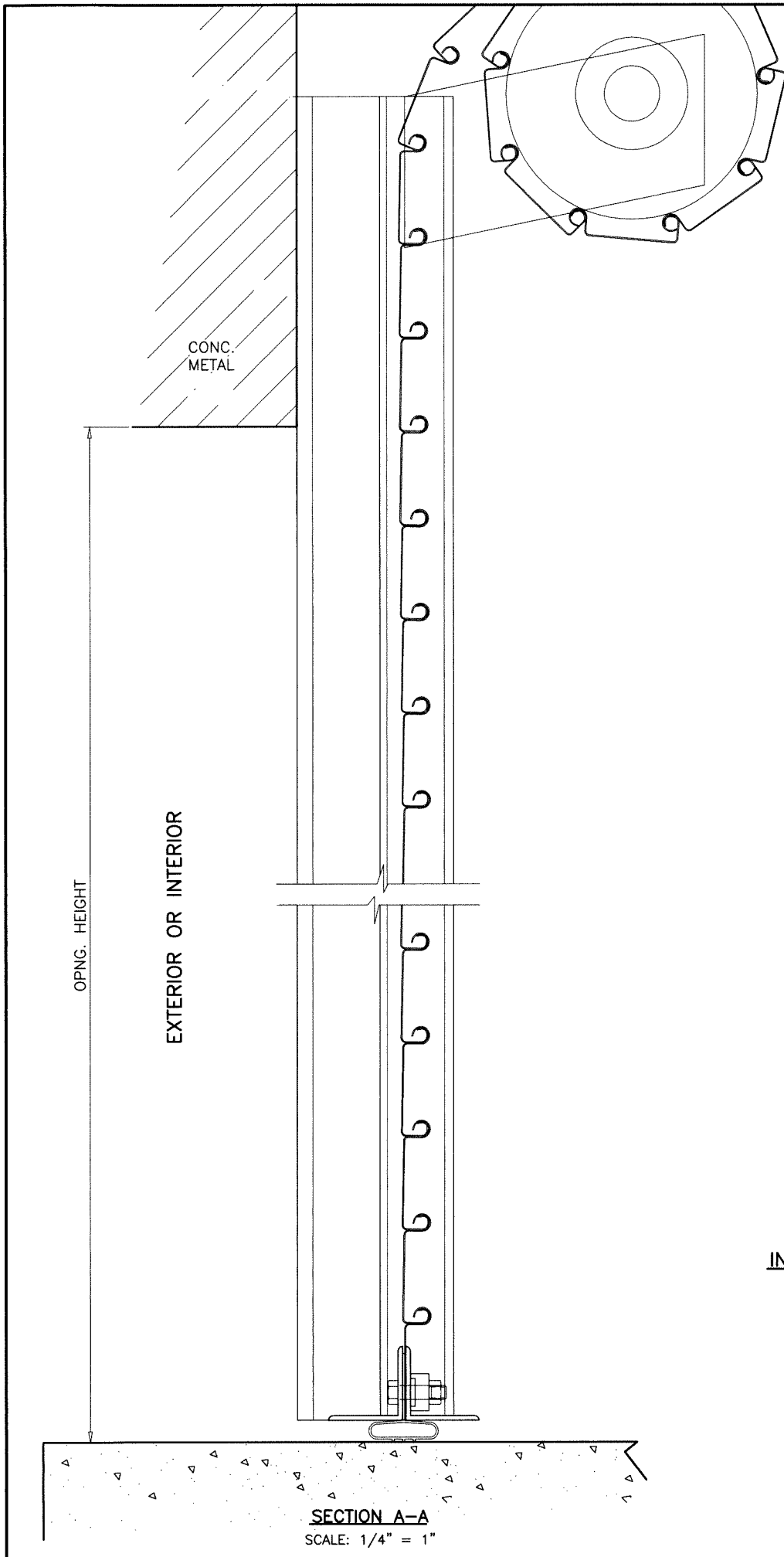
A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
C- SITE 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. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



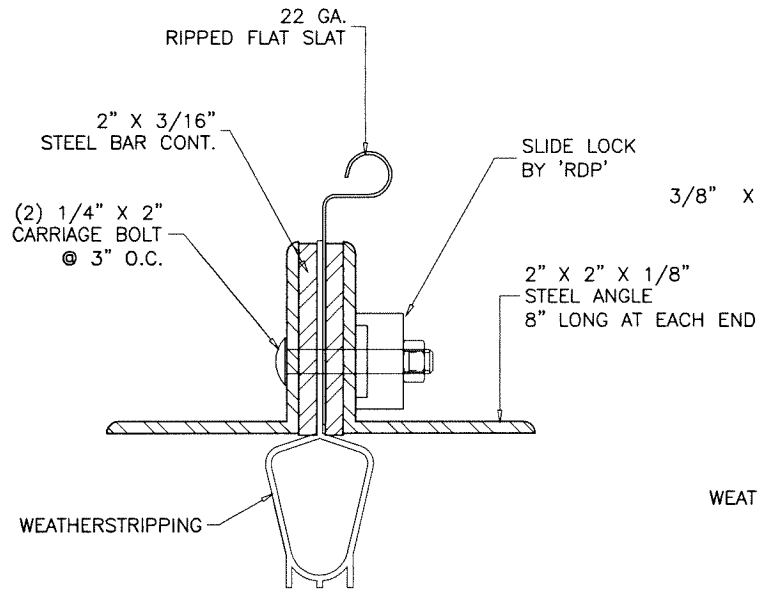
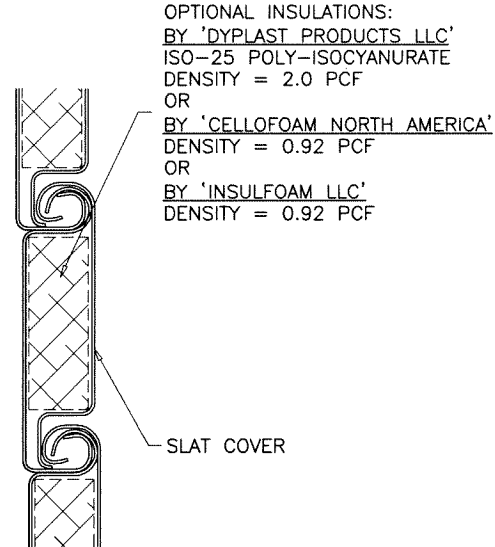
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538
GARAGE\23-42F-UDG

United Door & Gate Manufacturing, Inc.
8187 N.W. 71st Street
Miami, FL. 33166
Phone: (305) 888-5020

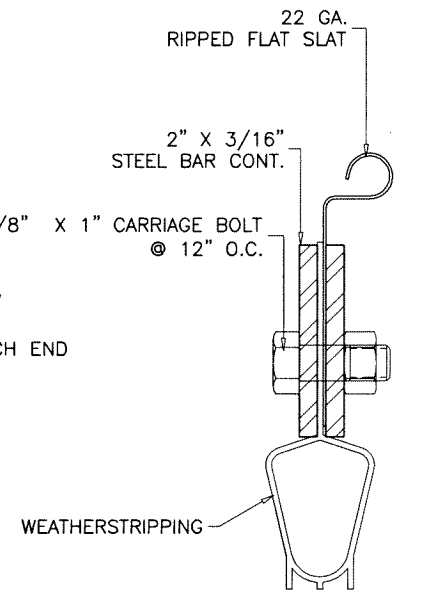
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dr. by:	TARIQ	chk. by:	
drawing no.		23-42F	
sheet		1 of 4	



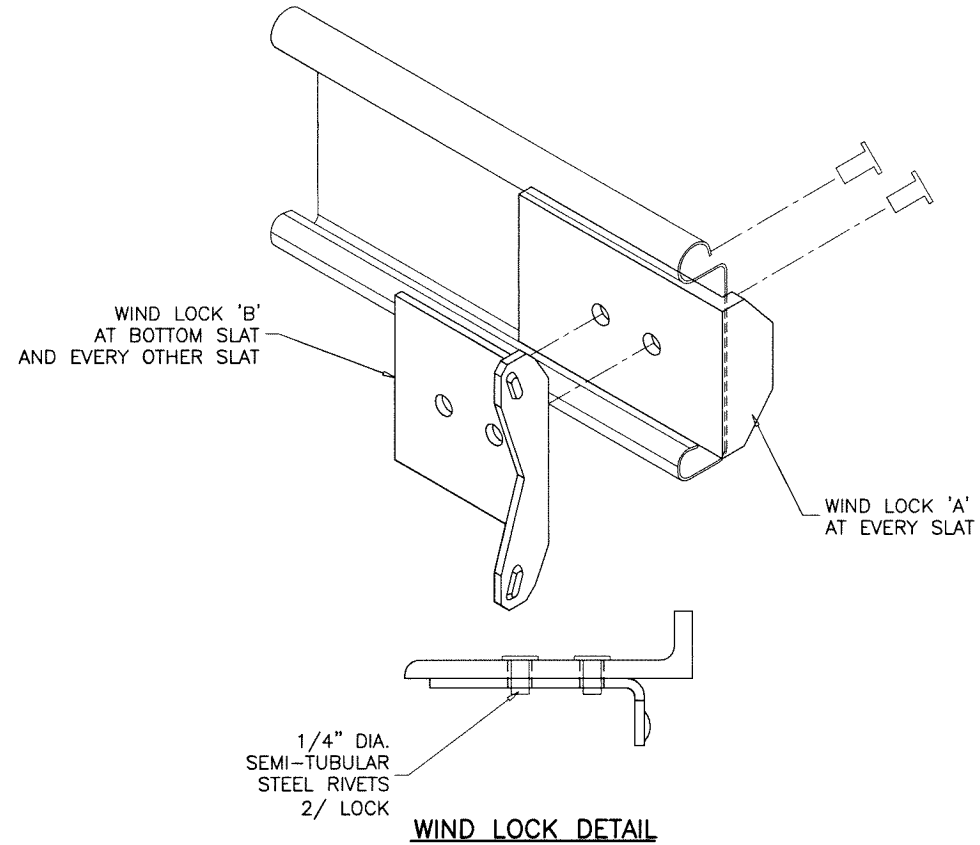
**INSULATED SLAT DETAIL
(OPTIONAL)**



END BRACKET DETAIL

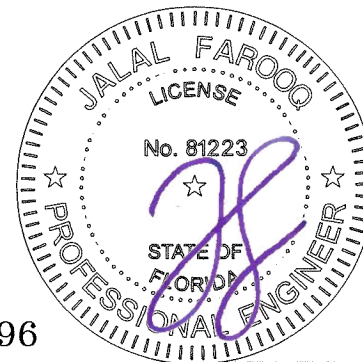


BOTTOM BAR DETAIL



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afc

GARAGE 23-42F-UDG

ROLLING TYPE GARAGE DOOR

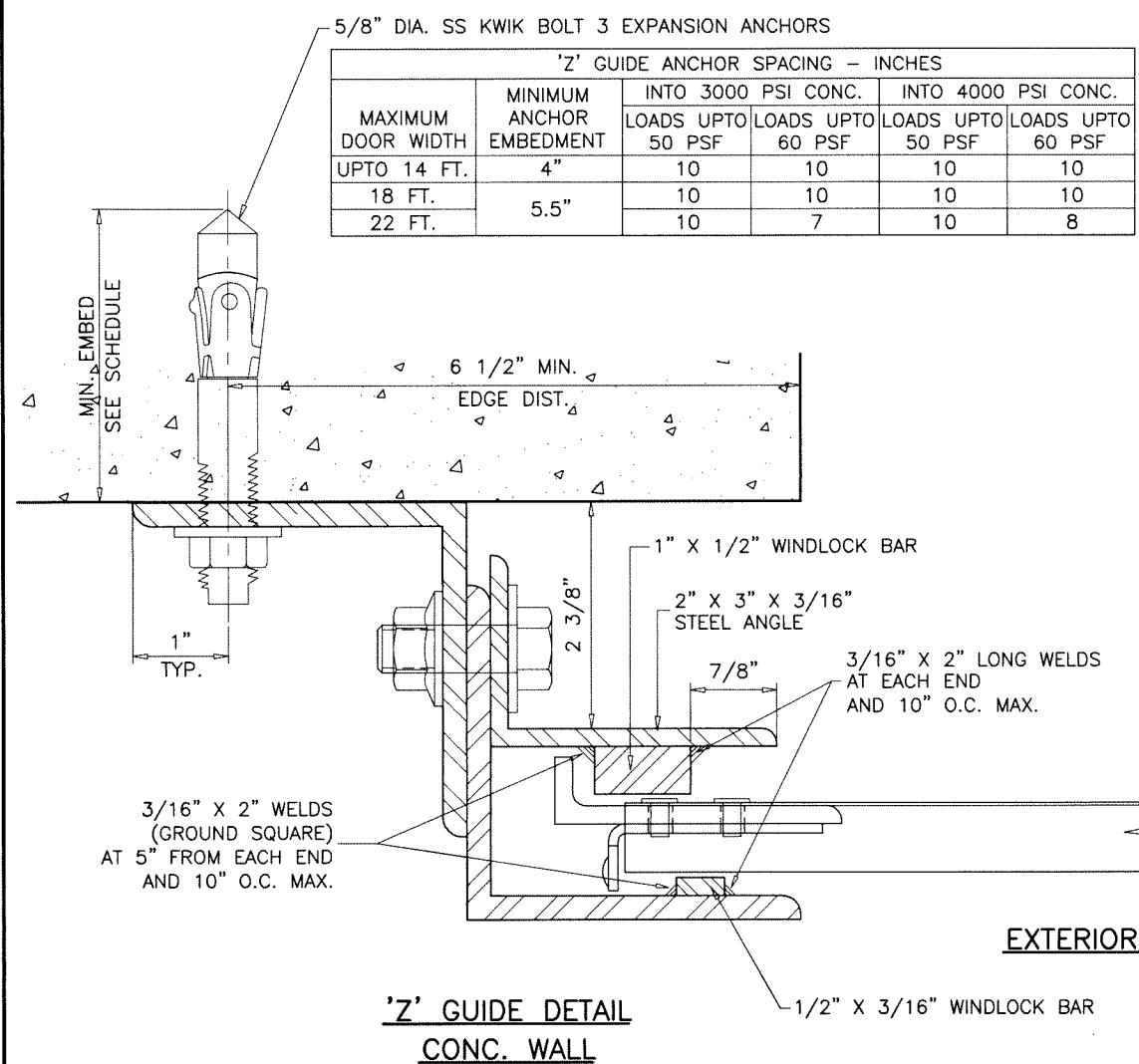
United Door & Gate Manufacturing, Inc.
8187 N.W. 71st Street
Miami, FL. 33166
Phone: (305) 888-5020

revisions:

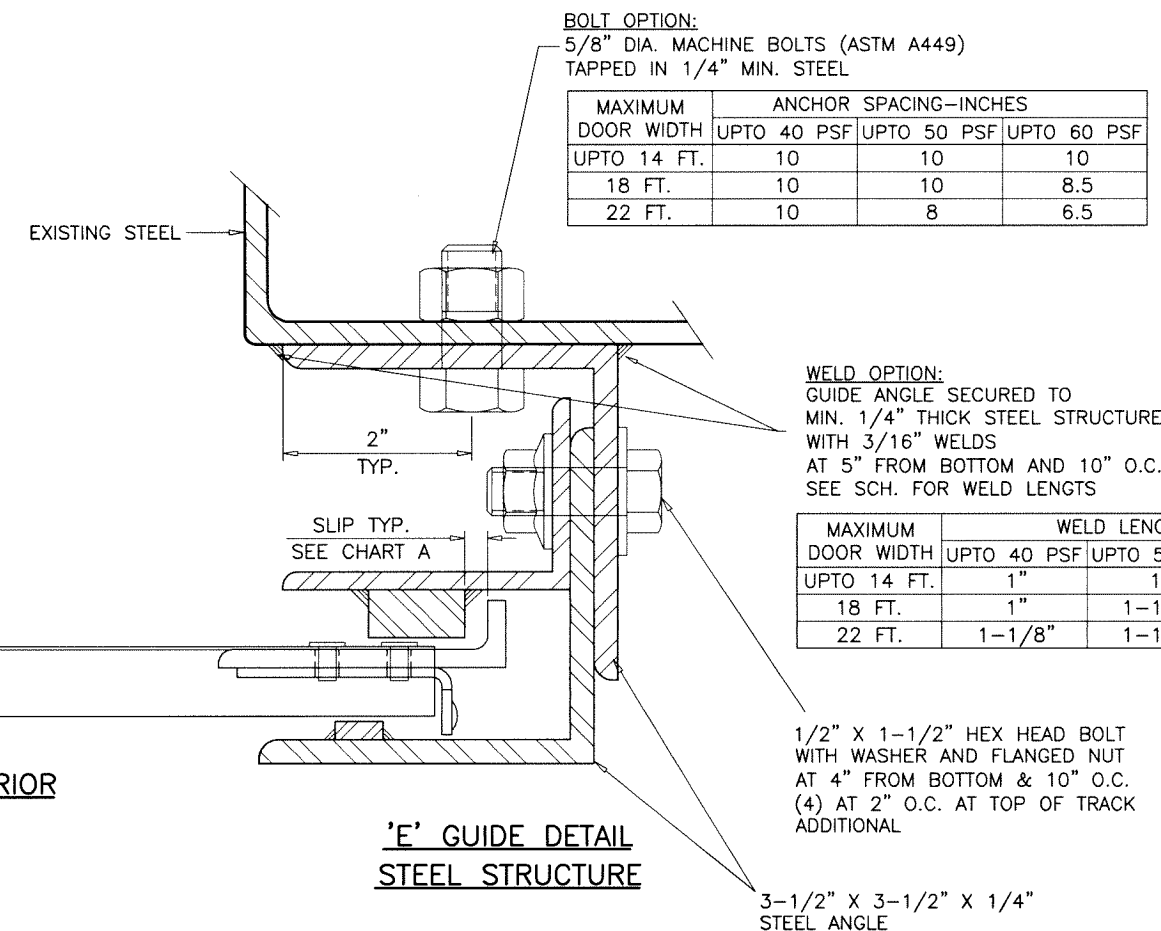
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dr. by: TARIQ
chk. by:

drawing no.
23-42F
sheet 2 of 4



**'Z' GUIDE DETAIL
CONC. WALL**



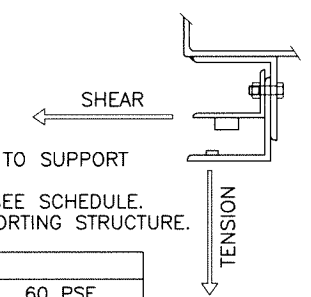
**'E' GUIDE DETAIL
STEEL STRUCTURE**

CHART 'A'

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

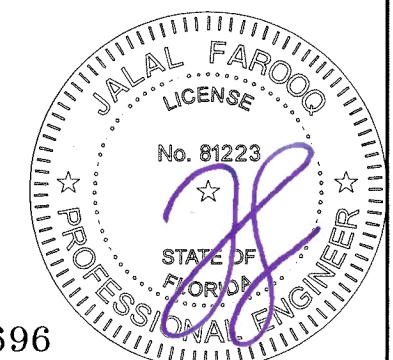
SUPPORTING STRUCTURE MUST BE DESIGNED TO SUPPORT SHEAR & TENSION FORCES AT EACH JAMB. FOR DESIGN VALUES OF SHEAR & TENSION SEE SCHEDULE. ARCH./ENGR. TO VERIFY ADEQUACY OF SUPPORTING STRUCTURE.

MAXIMUM DOOR WIDTH	FORCES ON GUIDE/FT.					
	40 PSF		50 PSF		60 PSF	
	TENSION	SHEAR	TENSION	SHEAR	TENSION	SHEAR
UPTO 14 FT.	293	1018	367	1363	440	1702
18 FT.	373	1565	467	1995	560	2418
22 FT.	453	2024	567	2538	680	3043



GUIDE DETAILS CAN BE USED IN ANY COMBINATIONS.

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ROLLING TYPE GARAGE DOOR

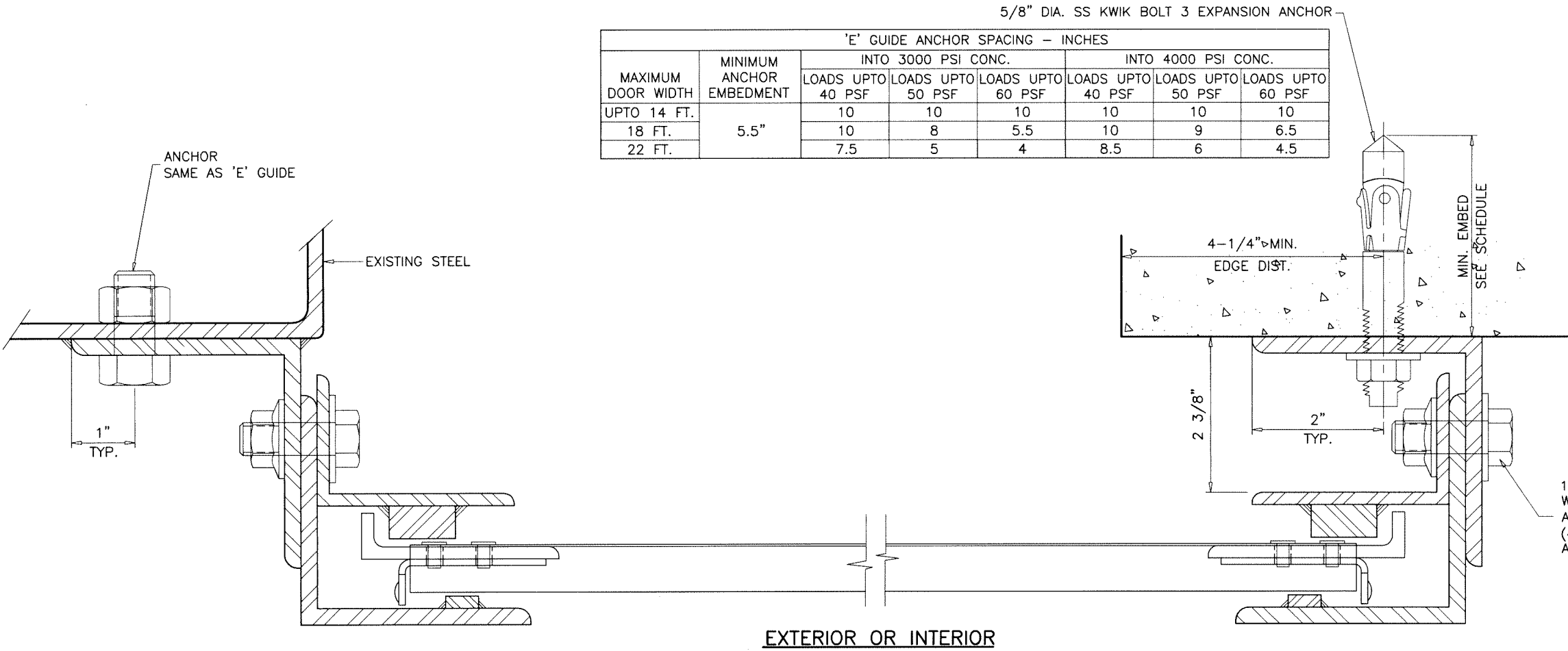
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revisions:

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chk. by:

drawing no. **23-42F**
sheet 3 of 4

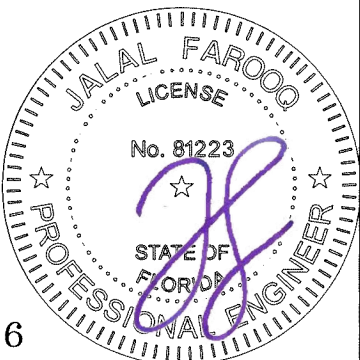


5/8" DIA. SS KWIK BOLT 3 EXPANSION ANCHOR

MAXIMUM DOOR WIDTH		'E' GUIDE ANCHOR SPACING - INCHES					
		INTO 3000 PSI CONC.			INTO 4000 PSI CONC.		
		LOADS UPTO 40 PSF	LOADS UPTO 50 PSF	LOADS UPTO 60 PSF	LOADS UPTO 40 PSF	LOADS UPTO 50 PSF	LOADS UPTO 60 PSF
UPTO 14 FT.	5.5"	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

**'Z' GUIDE DETAIL
STEEL STRUCTURE**

**'E' GUIDE DETAIL
CONC. WALL**



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23-42F	
sheet 4 of 4	