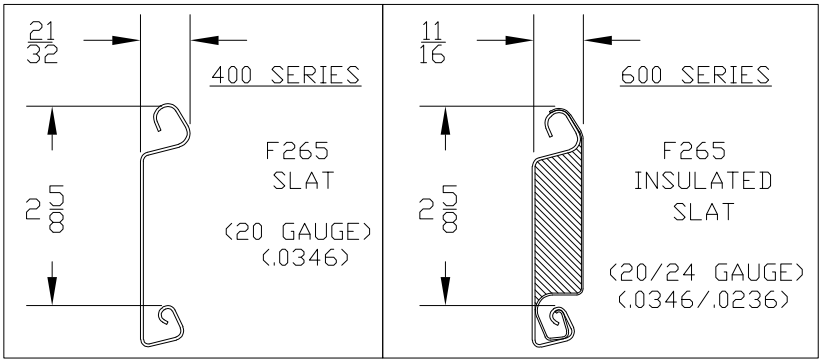
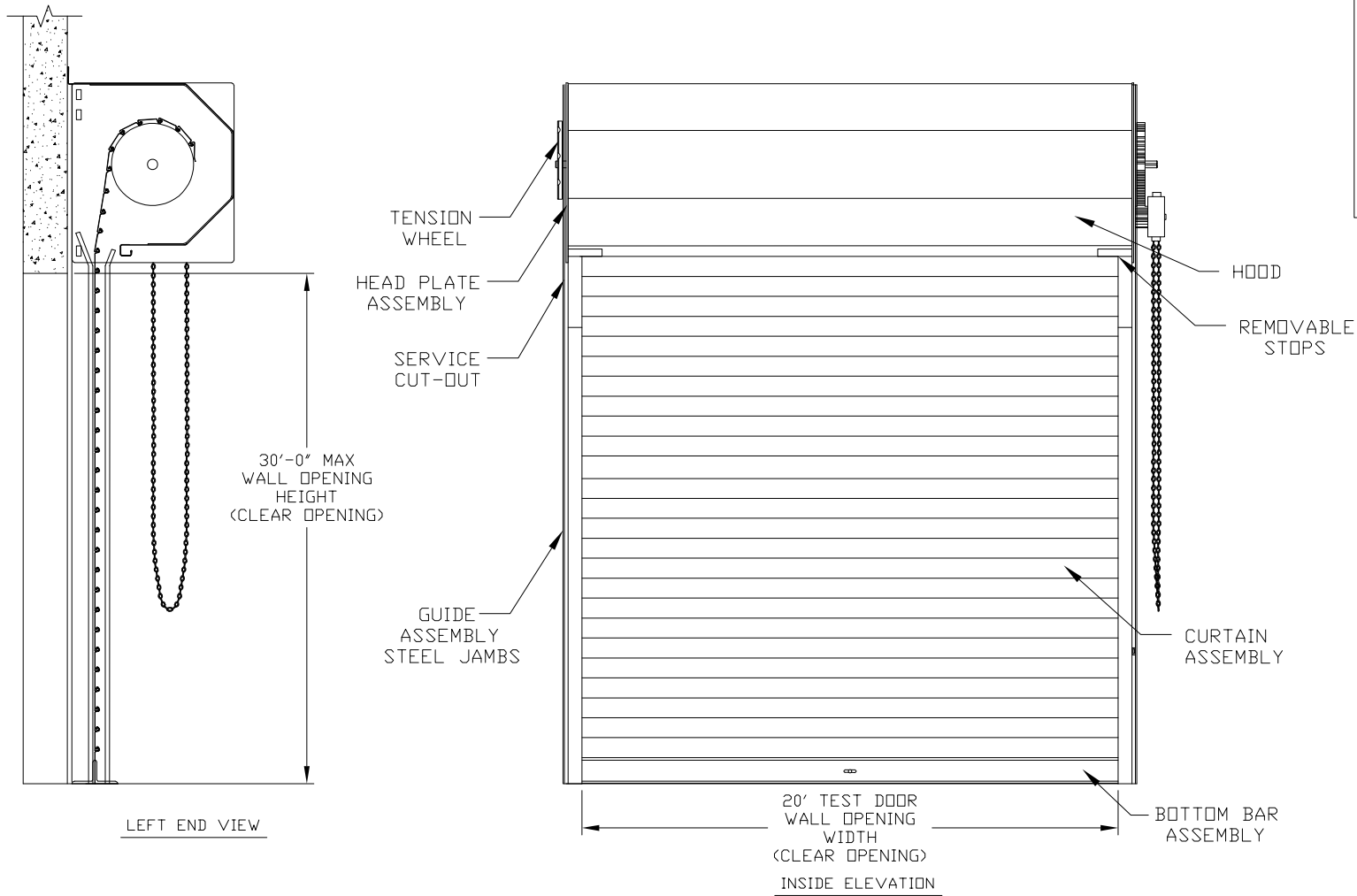
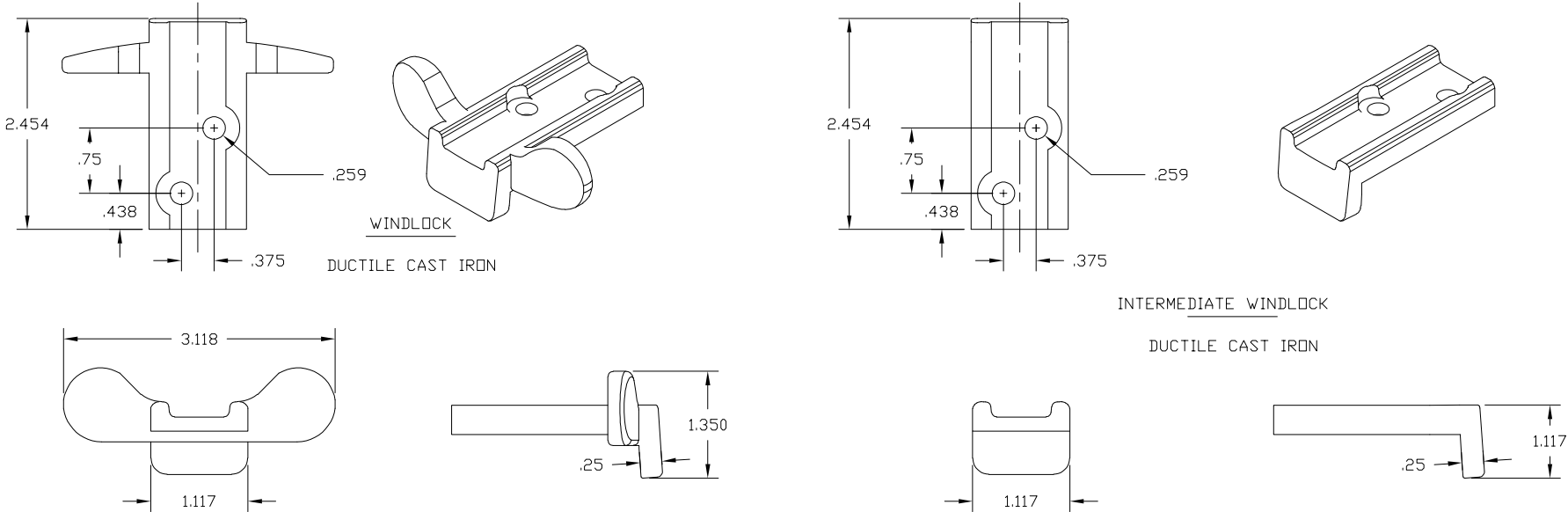
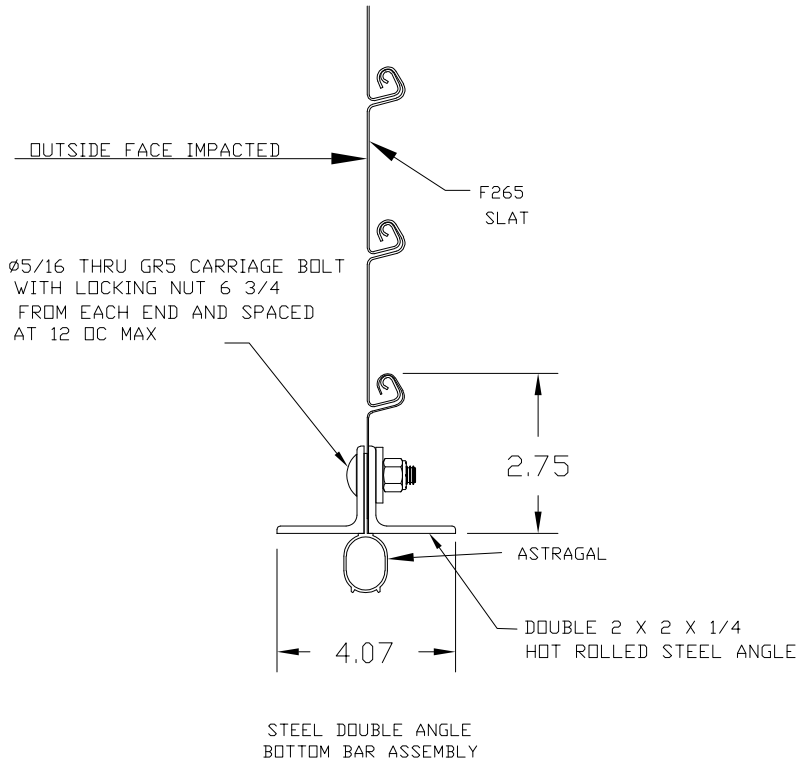


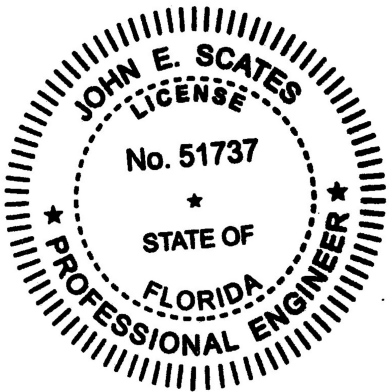


ASTM A653 GR 40 ZINC COATED STEEL
PRE-PAINTED WITH
FULL COAT OF PRIMER AND
BAKED SILICONIZED
POLYESTER FINISH COAT
INSULATION FOAM IN PLACE
POLYURETHANE



Digitally signed by John E Scates
Date: 2023.06.26 13:00:01 -05'00'

John E. Scates, P.E.
2560 King Arthur Blvd, Ste 124-54
Lewisville, TX 75056
FL PE 51737
TX PE 56308 / F2203



Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies."

SEE SHEET 2 FOR NOTES

CERTIFIED WIND LOAD AND IMPACT RATED MISSILE E
400HD-IM/600HD-IM SERIES ROLL-UP DOOR



ASTA America
638 Cassville White Rd NW
Cartersville, GA 30121
(770) 562-2850 Fax: (770) 562-1991
Web Site: www.astaamerica.com

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE				APPROVALS		DATE	APPROVALS		DATE	PART NUMBER	DRAWING NUMBER 400HD-IM					
DRAWN				ADAM HICKS		3-31-23	APPROVED SCOTT ROBILLARD		3-31-23	NA						
CHECKED				SCOTT ROBILLARD		3-31-23				MATERIAL	NA					
THESE CONFIDENTIAL DOCUMENTS SUBMITTED BY ASTA CONTAIN INFORMATION OF A PROPRIETARY NATURE AND MAY NOT BE REPRDUCED OR USED TO MANUFACTURE ANYTHING IN PART OR IN WHOLE FOR ANY PURPOSE OTHER THAN THAT WHICH IS NECESSARY FOR PREPARATION OF BIDS OR ENGINEERING WITHOUT THE EXPRESS PERMISSION OF ASTA WHICH MAY RECALL DOCUMENTS AT ANY TIME.											UNIT OF MEASURE	SIZE	SCALE	SHEET	OF	REV
											NA	B	NONE	1	2	

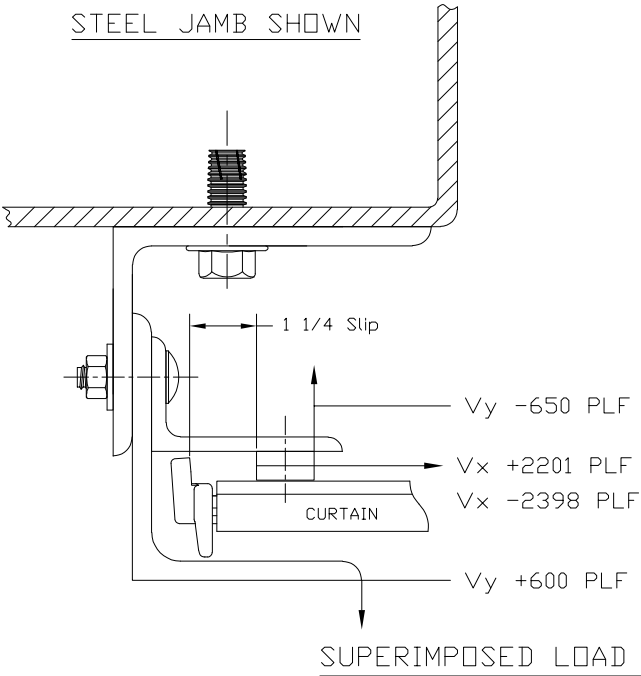
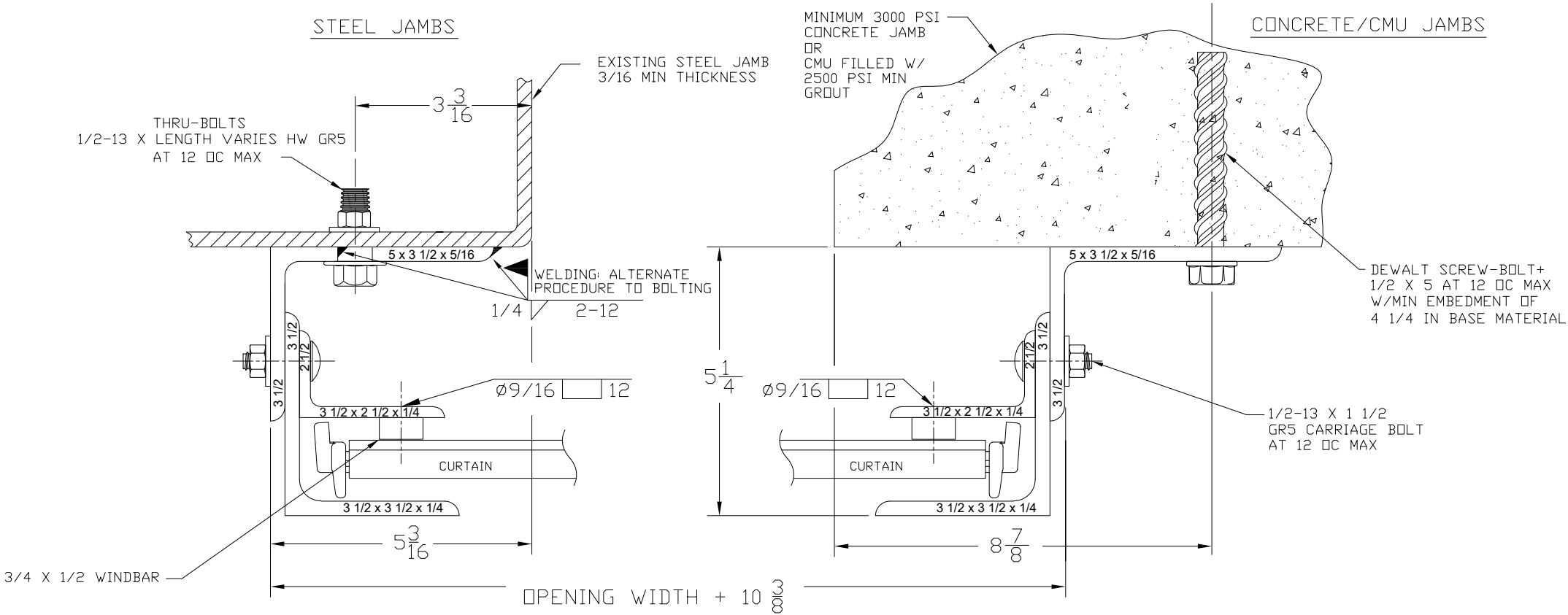
GENERAL NOTES

1. THIS ROLL-UP DOOR SYSTEM IS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND THE INTERNATIONAL BUILDING CODE. THE REQUIRED DESIGN WIND PRESSURES FOR A DOOR IN ANY PARTICULAR BUILDING SHALL BE DETERMINED IN ACCORDANCE WITH LOCAL REQUIREMENTS. COMPLIES WITH THE WINDLOAD REQUIREMENTS OF THE IRC/IBC 2018.
2. THIS ROLL-UP DOOR HAS BEEN SUCCESSFULLY TESTED ACCORDING TO THE UNIFORM STATIC AIR PRESSURE TEST PER TAS 202 TO RESIST A POSITIVE AND NEGATIVE WIND LOAD AS NOTED BELOW. TEST DOOR WALL OPENING SIZE: 20'-0" x 10'-0". A TEST LOAD OF 1.5 X DESIGN LOAD HAS BEEN USED.

DESIGN LOAD = +60.0 PSF
-65.0
3. THIS ROLL-UP DOOR HAS BEEN SUCCESSFULLY TESTED ACCORDING TO THE LARGE MISSILE IMPACT TEST PER TAS 201 (80 FEET PER SECOND) WITH THE DIRECTION OF IMPACT BEING TOWARD THE OUTSIDE FACE OF THE CURTAIN SLATS. DOOR IS IMPACT RATED ONLY WHEN INSTALLED ON INSIDE OF AN EXTERIOR WALL. DOOR ALSO SUCCESSFULLY TESTED ACCORDING TO THE CYCLIC WIND PRESSURE LOADING TEST PER TAS 203.
4. WIND LOADS FOR BUILDING OPENINGS SHALL BE DETERMINED BY A PROFESSIONAL ENGINEER USING APPROPRIATE WIND SPEED AND DESIGN CRITERIA. THIS DOOR MAY BE USED WHERE THE DESIGN LOAD MEETS OR EXCEEDS THE DESIGN LOAD FOR THE BUILDING OPENING.
5. SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNATED AS Vx AND Vy HEREIN. CONTRACTORS SHALL HAVE BUILDING ENGINEER VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOADS Vx, Vy
6. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO AWS A5.1 GRADE E-60.
7. BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI EXCEPT WHERE OTHERWISE SPECIFIED.
8. ANCHOR NOTES:

A. EMBEDMENT LENGTH DOES NOT INCLUDE STUCCO FINISH.

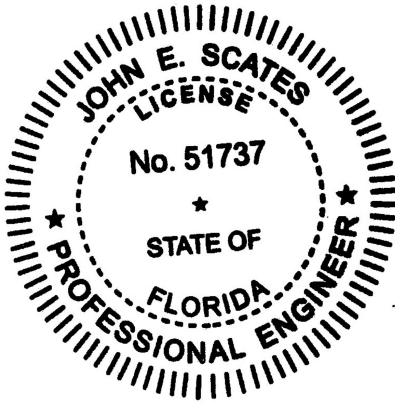
B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
9. GUIDE TO JAMB ATTACHMENT FASTENERS IN OPENING AREA BEGIN 2" FROM FLOOR AND ARE SPACED 12" OC MAX THROUGH TOP OF WALL OPENING.
10. WINDLOCKS ATTACHED TO EVERY SLAT THROUGH OPENING HEIGHT BEGINNING AT BOTTOM SLAT. WINDLOCKS FASTENED TO SLATS UTILIZING TWO SWAGED MALLEABLE CAST STUDS, .24 BASE DIAMETER, PER WINDLOCK.
11. ALTERNATE SLAT GAUGE OF 18 (.0466) MAY BE SUBSTITUTED, BUT WITH NO INCREASE IN DESIGN LOAD RATING.
12. SLIP AND SUPERIMPOSED LOADS ARE THE SAME FOR ALL JAMB TYPES.
13. PROFESSIONAL ENGINEER'S SEAL PROVIDED ONLY FOR VERIFICATION OF WINDLOAD CONSTRUCTION DETAILS.



CERTIFIED WIND LOAD AND IMPACT RATED MISSILE E
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	DRAWN		3-31-23		APPROVED		3-31-23		NA		400HD-IM	
	CHECKED		3-31-23						MATERIAL		APPLIED FINISH	
	SCOTT ROBILLARD		NA						NA			
	THESE CONFIDENTIAL DOCUMENTS SUBMITTED BY ASTA CONTAIN INFORMATION OF A PROPRIETARY NATURE AND MAY NOT BE REPRDUCED OR USED TO MANUFACTURE ANYTHING IN PART OR IN WHOLE FOR ANY PURPOSE OTHER THAN THAT WHICH IS NECESSARY FOR PREPARATION OF BIDS OR ENGINEERING WITHOUT THE EXPRESS PERMISSION OF ASTA WHICH MAY RECALL DOCUMENTS AT ANY TIME.		UNIT OF MEASURE		SIZE		SCALE		SHEET OF		REV	
		NA		B		NONE		2 2				

ANGLES ± 0° 30' DECIMAL .XX ±.03 .XXX ±.005 FRACTIONS ± 1/16	HOLE DIAMETERS				THESE CONFIDENTIAL DOCUMENTS SUBMITTED BY ASTA CONTAIN INFORMATION OF A PROPRIETARY NATURE AND MAY NOT BE REPRDUCED OR USED TO MANUFACTURE ANYTHING IN PART OR IN WHOLE FOR ANY PURPOSE OTHER THAN THAT WHICH IS NECESSARY FOR PREPARATION OF BIDS OR ENGINEERING WITHOUT THE EXPRESS PERMISSION OF ASTA WHICH MAY RECALL DOCUMENTS AT ANY TIME.		UNIT OF MEASURE		SIZE		SCALE		SHEET OF		REV	
	UNDER .251		-.003				NA		B		NONE		2 2			
	.251 TO .500		-.003													
	OVER .500		-.003													