

GENERAL NOTES

1. THIS PRODUCT HAS BEEN TESTED AND DESIGNED TO MEET THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE USING TAS 201–94, TAS 202–94 AND TAS 203–94 PERFORMANCE STANDARDS.
2. THE LOCKING PANIC HARDWARE PRODUCTS LISTED IN THIS PRODUCT APPROVAL DOCUMENT CAN BE USED IN CONJUNCTION WITH CURRENT FLORIDA PRODUCT APPROVALS OR MIAMI–DADE NOAS UTILIZING SIMILAR COMPONENTS. DESIGN PRESSURE RATING WILL BE LIMITED BY THE LOWEST RATED APPROVAL. THIS PRODUCT CAN BE USED WITH COMMERCIAL HOLLOW–METAL STEEL DOORS/FRAMES HOLDING CURRENT FLORIDA PRODUCT APPROVAL OR MIAMI–DADE NOA.
3. FOR DESIGN PRESSURE RATING SEE TABLE 1.
4. THE LOCKING PANIC HARDWARE PRODUCTS LISTED IN THIS PRODUCT APPROVAL DOCUMENT MEET THE IMPACT PROTECTION REQUIREMENTS FOR WIND BORNE DEBRIS REGIONS INCLUDING THE HIGH VELOCITY HURRICANE ZONE DEFINED IN THE CURRENT EDITION OF THE FLORIDA BUILDING CODE BY TESTING TO TAS 201–94, TAS 202–94 AND TAS 203–94 PERFORMANCE STANDARDS.

LIMITATION AND SPECIFICATION NOTES

1. THIS PRODUCT IS APPROVED AS AN ALTERNATIVE TO BE USED IN A SINGLE AND/OR DOUBLE STEEL DOOR/FRAME ELEVATION, HOLDING CURRENT FLORIDA PRODUCT APPROVAL OR MIAMI–DADE NOA. THE LOWEST DESIGN PRESSURE RATING SHALL APPLY.
2. DOOR PANEL SHALL BE CORE FILLED WITH APPROVED PAPER HONEYCOMB, POLYSTYRENE, POLYURETHANE, STEEL STIFFENED, OR MINERAL CORE OPTIONS, WITH MINIMUM OVERALL 1.75” THICKNESS.
3. DOOR PANEL FACE SHEETS TO BE MINIMUM 16 GA. OR BETTER, FLUSH (WITHOUT LITE OR LOUVER CUTOUTS). LOCK EDGE SHALL BE REINFORCED WITH 12 GA. VERTICAL CHANNEL, FULL HEIGHT OF DOOR.
4. FRAME JAMB/HEAD SECTIONS SHALL HAVE 2” FACE MIN., 5/8” MIN. HIGH STOP, AND 5.75” MIN. DEPTH. MATERIAL: STEEL 16 GA. OR BETTER.
5. HORIZONTALLY MOUNTED DEVICE SHALL BE INSTALLED IN A SINGLE DOOR NO WIDER THAN 48.0” AND HIGHER THAN 96.0” (SEE DESIGN PRESSURE TABLE).
6. VERTICALLY MOUNTED DEVICE SHALL BE INSTALLED IN A SINGLE OR DOUBLE DOORS NO WIDER THAN 48.0” EACH AND HIGHER THAN 96.0” (SEE DESIGN PRESSURE TABLE).

R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG KW	01/12/05	
B	REV. TO CURRENT FBC EDITION	04/21/15	RJA
C	REV. TO 9TH ED. (2026) FBC	07/23/26	RJA

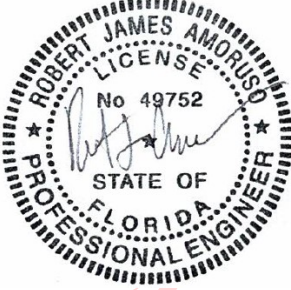
DESIGN PRESSURE RATING		
HARDWARE MODEL	DOOR SIZE, TYPE & SWING	DESIGN PRESSURE
POSITIVE LOCK THPA(H)–40 HORIZONTALLY MOUNTED PANIC DEVICE	4’0” X 8’0” SINGLE STEEL (1.75” THICK, 16 GA MIN) OUT–SWING	+ 100 PSF
		– 100 PSF
POSITIVE LOCK THPA(H)–80 VERTICALLY MOUNTED PANIC DEVICE	4’0” X 8’0” SINGLE OR 8’0” X 8’0” DOUBLE STEEL (1.75” THICK,16 GA MIN) OUT–SWING	+ 100 PSF
		– 100 PSF

This item has been digitally signed and sealed by Robert J. Amoruso, PE on the date adjacent to the seal. Signature must be verified on any electronic copies.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	GENERAL NOTES & APPROVED HARDWARE MODELS
2	TYPICAL JAMB AND DOOR CROSS SECTIONS
3	POSITIVE LOCK THPA(H)–40 HORIZONTAL DEVICE
4	POSITIVE LOCK THPA(H)–80 VERTICAL DEVICE

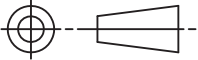
AMORUSO CONSULTING ENG., LLC
FBPE REGISTRATION NO. 38327
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Robert J. Amoruso, P.E.
FL P.E. No. 49752



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Date: 2026.08.19 15:36:15 -04'00'
Project No. ACE–2025–143

BEND RADIUS



THIRD ANGLE PROJECTION

DRAWN
KW

CHECKED

DATE
01/15/05

APPROVED

ENG. APPVL



Made in the U.S.A.

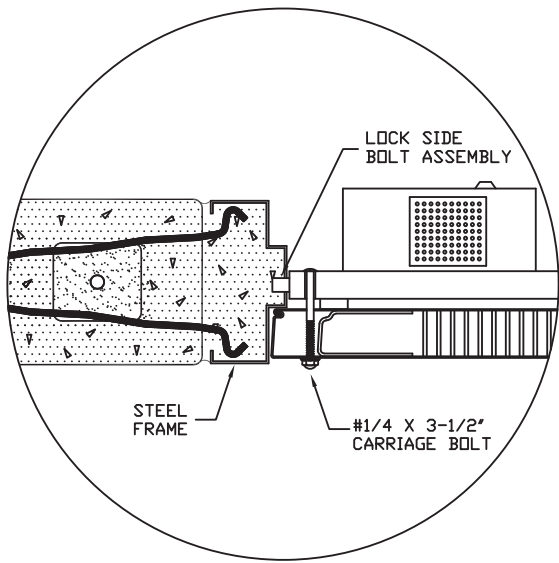
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POSITIVE LOCK
GENERAL NOTES AND APPROVED HARDWARE MODELS
MODEL THPA(H)

SIZE
FLAT

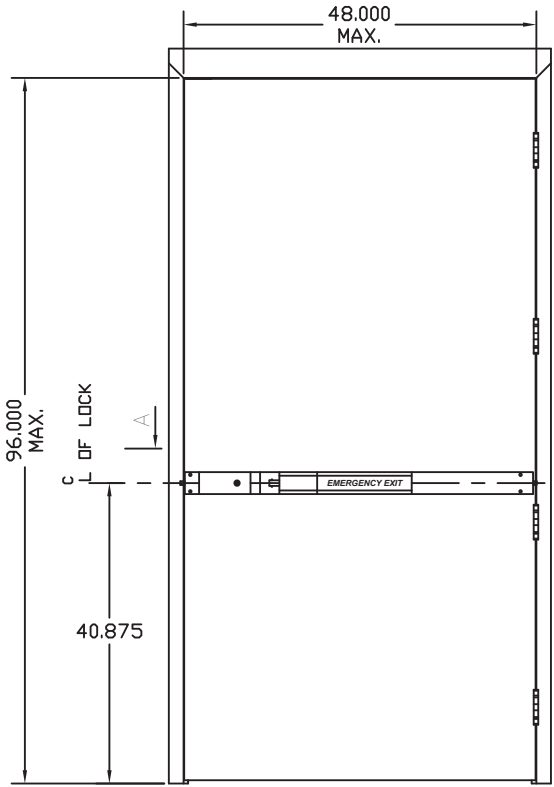
DWG NO.
PL–815W SHEET 1 OF 4

REV
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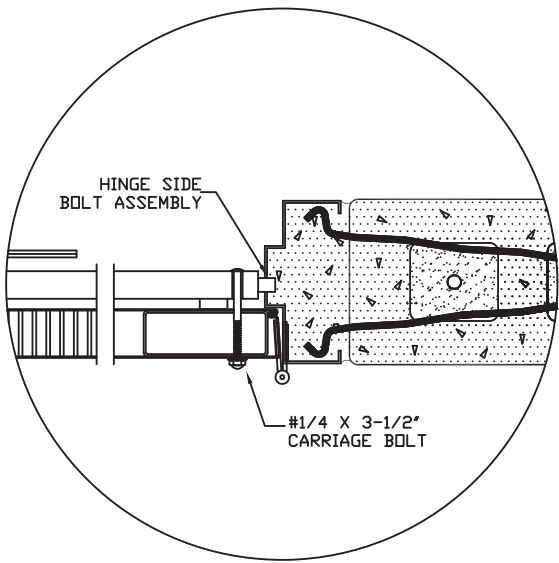
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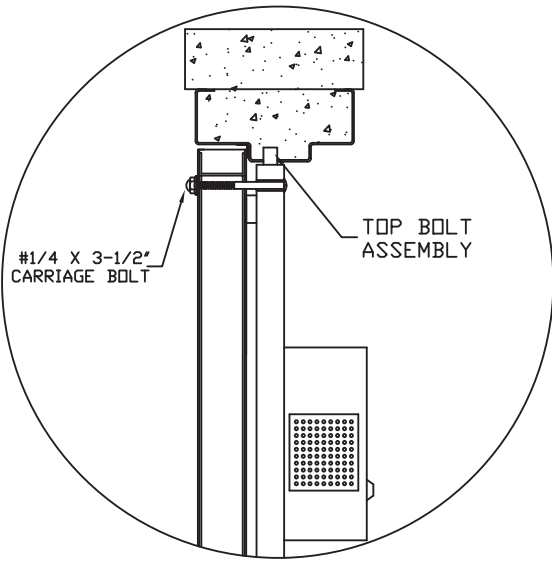
SECTION A-A
HORIZONTAL DEVICE
POSITIVE LOCK THPA(H)-40
LOCK SIDE



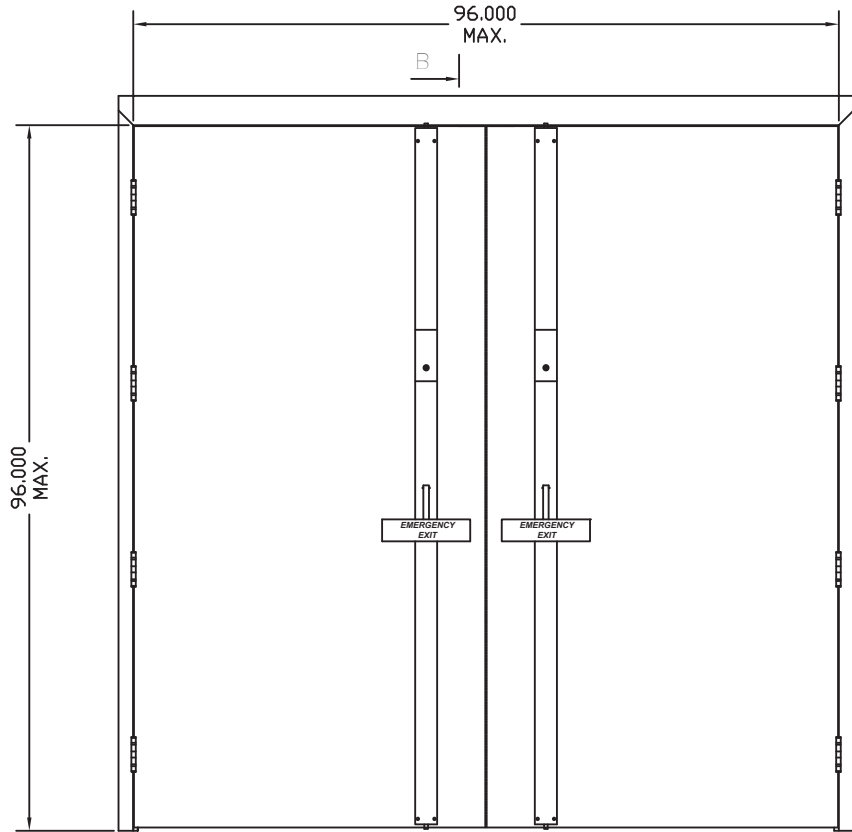
OUTSWING DOOR
WITH HORIZONTALLY
MOUNTED DEVICE



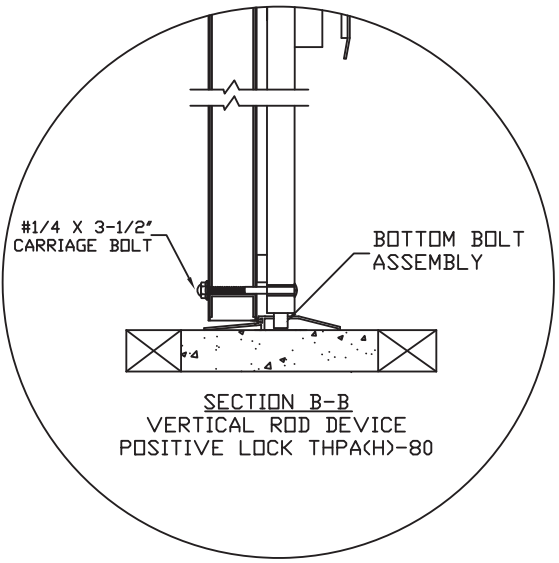
SECTION A-A
HORIZONTAL DEVICE
POSITIVE LOCK THPA(H)-40
HINGE SIDE



SECTION B-B
VERTICAL DEVICE
POSITIVE LOCK THPA(H)-80
TOP OF DOOR



OUTSWING DOORS
WITH VERTICALLY
MOUNTED DEVICES

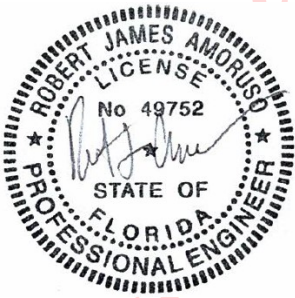


SECTION B-B
VERTICAL ROD DEVICE
POSITIVE LOCK THPA(H)-80

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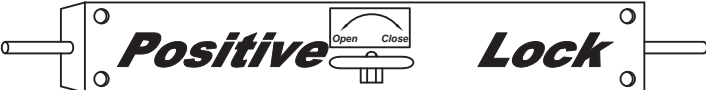
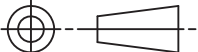
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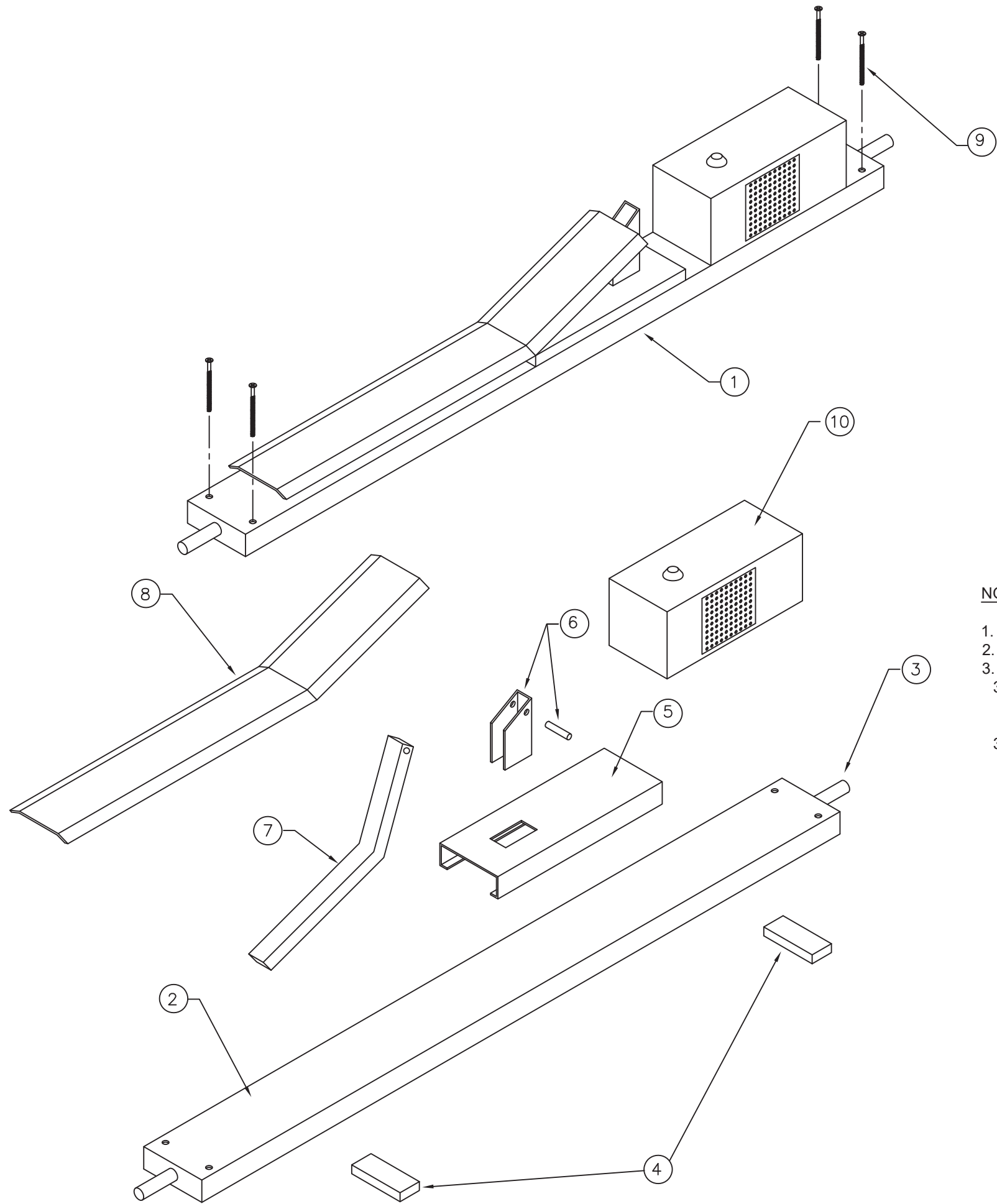
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Robert J
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Project No. ACE-2025-143

BEND RADIUS				402 East 39th Street Russellville, AR 72802			
		TITLE					
THIRD ANGLE PROJECTION		JAMB TO BUCK & DOOR CROSS SECTIONS POSITIVE LOCK THPA(H)					
DRAWN KW	DATE 01/15/05	JAMB TO BUCK & DOOR CROSS SECTIONS POSITIVE LOCK THPA(H)					
CHECKED							
APPROVED		SIZE	FLAT	DWG NO. PL-815W SHEET 2 OF 4	REV C		
ENG. APPVL		SCALE: NTS		AUTOCAD			



HORIZONTAL ROD DEVICE
POSITIVE LOCK THPA(H)

R E V I S I O N S

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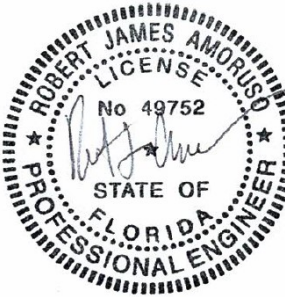
ITEM	DESCRIPTION
1	HORIZONTAL DEVICE ASSEMBLY
2	STEEL CASE 1”X3”XLENGTH, .078” THK
3	LATCH BOLT $\varnothing$ 1/2” X 18–1/8” STEEL
4	SPACER BLOCK 1”X2.5”X.399”
5	COVER
6	AXLE ASSEMBLY
7	STEEL LEVER 12”X.75”X.5”
8	STEEL PADDLE 18”X3”X.109”
9	1/4” X 3–1/2” CARRIAGE BOLT (SEE NOTE 3)
10	KEY-CONTROLLED BATTERY OPERATED EXIT ALARM (OPTIONAL)

NOTES:

1. MODELS OFFERED FOR 3'0" AND 4'0" DOOR WIDTHS.
2. OFFERED WITH OR WITHOUT EXTERIOR ACCESS.
3. FASTENER CORROSION PROTECTION:
 - 3.1. INSTALLATION SCREWS NOT PART OF THE LOCK ASSEMBLY SHALL BE CORROSION RESISTANT MATERIAL OR HAVE CORROSION RESISTANT COATING. SEE NOTE 3.2 BELOW.
 - 3.2. FASTENERS EXPOSED TO SALTWATER ENVIRONMENTS WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL COMPLY WITH SECTION 1711 OF THE 9TH EDITION (2026) FLORIDA BUILDING CODE AND SECTION R332 OF THE 9TH EDITION (2026) FLORIDA RESIDENTIAL CODE WHEN APPLICABLE.

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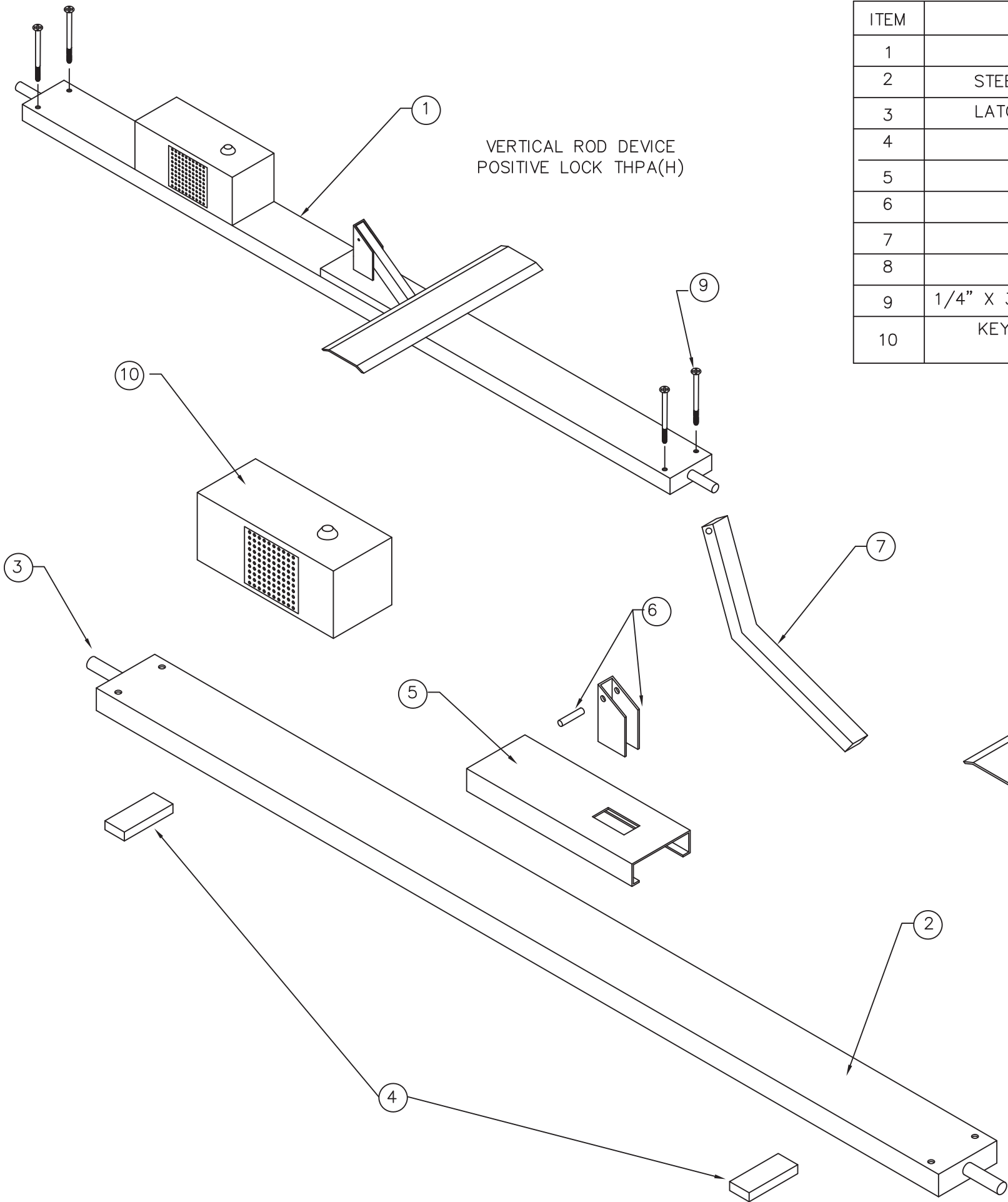


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Project No. ACE–2025–143

BEND RADIUS					
THIRD ANGLE PROJECTION		TITLE			
DRAWN KW	DATE 01/12/05	POSITIVE LOCK HORIZONTAL DEVICE MODEL THPA(H) ASSEMBLY VIEW & BOM			
CHECKED		SIZE	FLAT	DWG NO. PL–815W SHEET 3 OF 4	REV C
APPROVED		SCALE: NTS AUTOCAD			
ENG. APPVL					

402 East 39th Street
Russellville, AR 72802



ITEM	DESCRIPTION
1	VERTICAL DEVICE ASSEMBLY
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REVISIONS

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NOTES:

- MODELS OFFERED FOR 6'8", 7'0" AND 8'0" DOOR HEIGHTS.
- OFFERED WITH OR WITHOUT EXTERIOR ACCESS.
- FASTENER CORROSION PROTECTION:
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Project No. ACE-2025-143

BEND RADIUS					
THIRD ANGLE PROJECTION		TITLE			
DRAWN	DATE	POSITIVE LOCK VERTICAL ROD DEVICE THPA(H) MODEL ASSEMBLY VIEW & BOM			
KW	01/12/05				
CHECKED					
APPROVED		SIZE	FLAT	DWG NO.	REV
ENG. APPVL				PL-815W SHEET 4 OF 4	C
		SCALE:	NTS	AUTOCAD	