

The Door Store of America, Inc.

Complete Collection, Single and Double Doors, Inswing

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT WAS TESTED AND DESIGNED TO COMPLY WITH THE 9TH EDITION (2026) FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL REQUIREMENTS INCLUDING SECTION 1709.5.2, FBC AND SECTION R609.5, FRC AND EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AT THE DESIGN PRESSURE(S) STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. ATLNC 0624.01-19 DATED 5/13/20 AND ASSOCIATED LABORATORY STAMPED DRAWINGS, SIGNED AND SEALED BY DAVID WESLEY JOHNSON, FL PE NO. 61915. TESTING WAS PERFORMED TO THE FOLLOWING:

1.1. ASTM E330-02, ASTM E331-00, ASTM E283-04

1.2. TAS 201-94, TAS 202-94 AND TAS 203-94

2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.

3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.

4. IN AREAS WHERE WIND-BORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED WITH THIS PRODUCT.

5. DOOR FRAME AND PANEL MATERIAL: MAHOGANY, KNOTTY-ALDER, AND ACCOYA

6. GLAZING:

6.1. 1" OVERALL THICKNESS: 5/32" TEMPERED, AIR SPACE (XL EDGE SPACER), 5/16" LAMINATED (1/8" ANNEALED x KURARAY AMERICA 0.090 SG INTERLAYER x 1/8" ANNEALED). GLAZED USING DOW 995 STRUCTURAL ADHESIVE GRADE SEALANT.

6.2. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-16

6.3. GLASS SHALL COMPLY WITH THE SAFETY GLAZING REQUIREMENTS OF THE FLORIDA BUILDING CODE, SECTION 2406.

6.4. ALL SETTING BLOCKS SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER.

7. SITE CONDITIONS THAT DEVIATE FROM THE DETAILS OF THIS DRAWING REQUIRE FURTHER ENGINEERING EVALUATION BY A LICENSED ENGINEER OR REGISTERED ARCHITECT.

8. DESIGNATIONS "X" AND "O" (WHERE APPLICABLE) STAND FOR THE FOLLOWING:

8.1. X: OPERABLE PANEL AND O: FIXED PANEL

9. HARDWARE (AS-TESTED; SUBSTITUTIONS ALLOWED PER FBC REQUIREMENTS):

9.1. MULTI-POINT LOCK AND HANDLES BY ASHLAND HARDWARE; MODEL V-5100-560.

9.2. HINGES: (10) STEEL 4-1/2" X 4-1/2" BALL BEARING HINGES BY PHILADELPHIA HARDWARE.

9.3. THRESHOLD: HYDROSILL 2200 SERIES FOR INSWING BY SHLEGEL.

10. INTERIOR AND EXTERIOR FINISHING AND PERIMETER SEALING ARE FOR ILLUSTRATIVE PURPOSES ONLY. THESE DRAWINGS CERTIFY THE DOOR INSTALLATION ONLY. WATER SEALING OF THE INSTALLED DOOR IS NOT PART OF THIS INSTALLATION CERTIFICATION. WATER SEALING SHALL BE THE RESPONSIBILITY OF THE INSTALLER.

10.1. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH THE FBC RESIDENTIAL AND BUILDING AND WITH FMA/AAMA/WDMA PROTOCOLS OR AS RECOMMENDED BY THE MANUFACTURER.

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INSTALLATION NOTES:

1. INSTALLATION ANCHORAGE SHALL BE LOCATED AS SHOWN IN THE FOLLOWING ELEVATION VIEWS.

1.1. 2X WOOD FRAMING OR BUCKING SUBSTRATES SHOWN ON SHEET 3

1.2. CONCRETE AND MASONRY SUBSTRATES AS SHOWN ON SHEET 4.

2. SPECIFIC INSTALLATION DETAILS ARE SHOWN ON THE FOLLOWING SHEETS.

2.1. 2X WOOD FRAMING OR BUCKING AT HEAD, SILLS OR JAMBS

2.1.1. SEE DETAILS ON SHEET 6 FOR HEAD AND SILL INSTALLATION ANCHORAGE REQUIREMENTS.

2.1.2. SEE DETAILS ON SHEET 7 FOR JAMB INSTALLATION ANCHORAGE REQUIREMENTS.

2.2. CONCRETE OR MASONRY AT HEAD, SILLS OR JAMBS (OPTIONAL 1X WOOD BUCK ALLOWED)

2.1.1. SEE DETAILS ON SHEET 8 FOR HEAD AND SILL INSTALLATION ANCHORAGE REQUIREMENTS.

2.1.2. SEE DETAILS ON SHEET 9 FOR JAMB INSTALLATION ANCHORAGE REQUIREMENTS.

3. VERTICAL AND HORIZONTAL SECTION VIEWS ARE SHOWN ON THE FOLLOWING SHEETS.

3.1. 2X WOOD FRAMING OR BUCKING AT HEAD, SILLS OR JAMBS

3.1.1. SEE DETAILS ON SHEET 11 FOR VERTICAL SECTION VIEWS OF HEAD AND SILL.

3.1.2. SEE DETAILS ON SHEET 12 FOR HORIZONTAL SECTION VIEWS OF JAMBS.

3.2. CONCRETE OR MASONRY AT HEAD, SILLS OR JAMBS (OPTIONAL 1X WOOD BUCK ALLOWED)

3.1.1. SEE DETAILS ON SHEET 13 FOR VERTICAL SECTION VIEWS OF HEAD AND SILL.

3.1.2. SEE DETAILS ON SHEET 14 FOR HORIZONTAL SECTION VIEWS OF JAMBS.

4. INSTALLATION SCREW (ANCHORAGE) SPECIFICATION

4.1. NO. 14 WOOD SCREWS.

4.1.1. WOOD SCREWS SHALL MEET ANSI B18.6.1 AND BE A MINIMUM GRADE 2 STRENGTH

4.1.2. MINIMUM EMBEDMENT IS 1-1/2". WOOD SCREW LENGTHS CAN BE VARIED IF NEEDED AS LONG AS MINIMUM EMBEDMENT IS MAINTAINED. THIS REQUIREMENT APPLICABLE TO SUBSTRATE EMBEDDED SCREWS ONLY.

4.1.3. MINIMUM EDGE DISTANCE AND SPACING BETWEEN SCREW IS 1".

4.2. 1/4" DIAMETER DEWALT ULTRAICON CONCRETE SCREWS

4.2.1. MINIMUM EMBEDMENT IS 1-3/4" IN CONCRETE AND 1-1/4" IN MASONRY (CMU).

4.2.2. MINIMUM EDGE DISTANCE IS 2-1/2".

4.2.3. MINIMUM SPACING BETWEEN SCREWS IS 4".

4.2.3.1. EXCEPTION: HINGE ANCHORAGE AS SHOWN ON SHEET 9, DETAIL10 HAS BEEN ACCOUNTED FOR. THE 3.39" SPACING BETWEEN ANCHORS IS ACCEPTABLE.

4.3. ALL FASTENERS TO BE CORROSION RESISTANT, OR HAVE A CORROSION RESISTANT COATING, OR MEET SECTION 1711, 9TH EDITION (2026) FBC AND SECTION R332, 9TH EDITION (2026) FRC WHEN APPLICABLE.

5. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION AT THE MAXIMUM UNIT SIZE SHOWN. SMALLER UNIT SIZES CAN HAVE LESS ANCHORS AS LONG AS THE EDGE DISTANCE AND ON CENTER (O.C.) SPACING ARE THE SAME AS OR LESS THAN THAT SHOWN. INSTALLATION ANCHORS AT THE STRIKE PLATES AND HINGES SHALL REMAIN THE SAME.

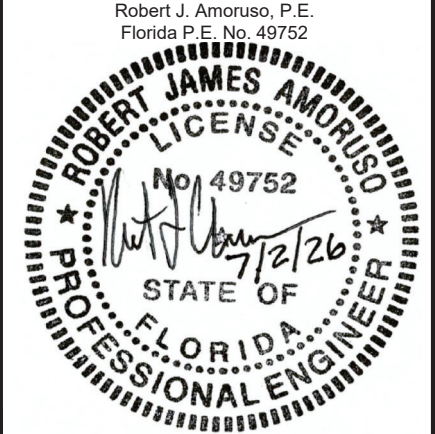
6. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM SIZE IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. SHIMS MAY NOT BE SHOWN IN THE SECTION VIEWS OF THIS DRAWING FOR CLARITY

7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING).

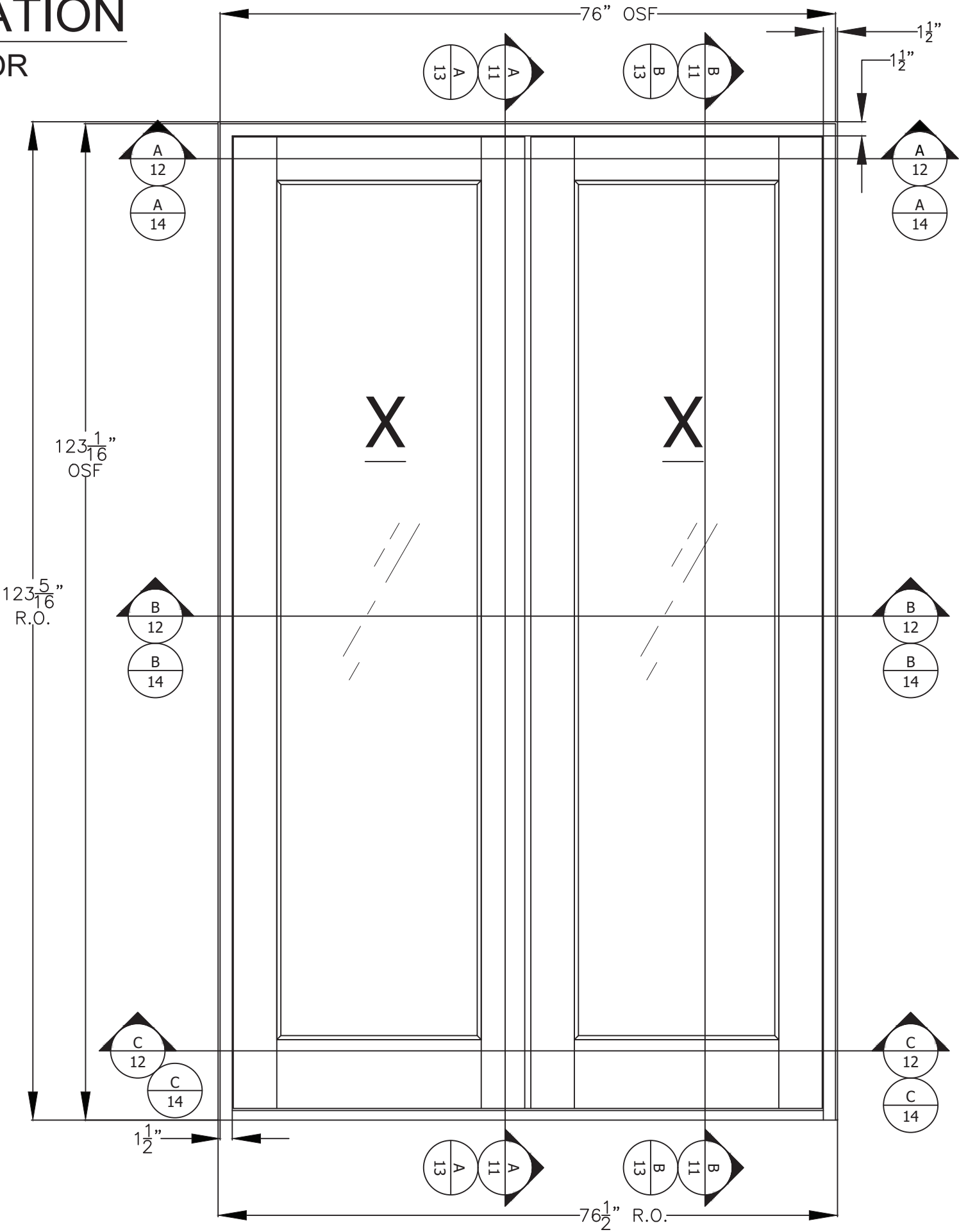
8. SINGLE DOOR IS APPROVED AND SHALL BE INSTALLED IN A MANNER IN COMPLIANCE WITH THE REQUIREMENTS OF THIS PRODUCT APPROVAL DOCUMENT.

PERFORMANCE RATING			
MAXIMUM UNIT DIMENSIONS	DESIGN PRESSURE RATING (PSF)	WATER PENETRATION RATING	IMPACT RATING
76" X 123-1/16" XX INSWING	±70.0	SEE NOTE 1 & 3	WIND ZONE 4 MISSILE LEVEL D
	+19.5 / -70	SEE NOTE 1 & 2	
NOTE 1: PRODUCT TESTED FOR LIMITED WATER PENETRATION RESISTANCE AT 19.5 PSF POSITIVE DESIGN PRESSURE. NOTE 2: THE PRODUCT MUST BE USED WHERE WATER PENETRATION IS NOT REQUIRED OR WHERE AN OVERHANG MEETING THE REQUIREMENTS OF THE 9th EDITION (2026) FLORIDA BUILDING CODE, SECTION 1709.5.2 HAS BEEN EMPLOYED. NOTE 3: FULL DESIGN PRESSURE RATING APPLICABLE TO DOOR ASSEMBLIES INSTALLED IN NONHABITABLE AREAS WHERE THE DOOR ASSEMBLY AND AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.			

The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617				PROJECT #ACE-2025-135							
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM				TITLE: Complete Collection, Single and Double Doors, Inswing NOTES - GENERAL & INSTALLATION							
				DRAWN BY: RJA		DATE: 10/10/2020					
				SCALE: N.T.S.		DRAWING NO: DSA0006					
				REV: B		SHEET: 1 OF 19					
				B		UPDATED TO 9TH EDITION (2026) FBC		7/1/26		RJA	
				A		UPDATED TO 8th EDITION (2023) FBC		7/10/23		RJA	
				REV		DESCRIPTION		DATE		BY	



XX ELEVATION
EXTERIOR



PRODUCT LIMITATIONS:

- 1. MAXIMUM OVERALL (O.A.) FRAME SIZE
 - 1.1. 76" X 123-1/16"
- 2. MAXIMUM PANEL SIZE
 - 2.1. 36" X 120"
- 3. MINIMUM PANEL THICKNESS
 - 3.1. 2-1/4" (NOMINAL)
- 4. MAXIMUM DAYLIGHT OPENING (D.L.O.) TDL
 - 4.1. MAXIMUM CLEAR WATER LITE D.L.O. 24-1/4" X 105-5/8"

The Door Store of America, Inc.
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing

ELEVATION XX

AMORUSO CONSULTING ENG., LLC
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226 N NOVA RD, NO. 142
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DRAWN BY: RJA

DATE: 10/10/2020

SCALE: N.T.S.

DRAWING NO: DSA0006

REV: B

SHEET: 2 OF 19

PROJECT #ACE-2025-135

UPDATED TO 9TH EDITION (2026) FBC

RJA

UPDATED TO 8th EDITION (2023) FBC

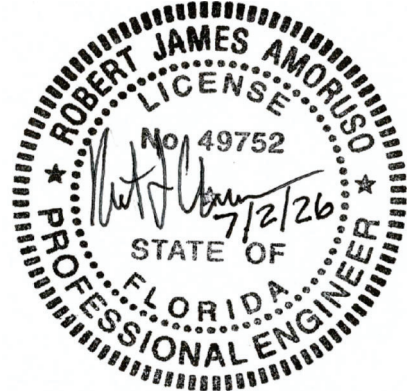
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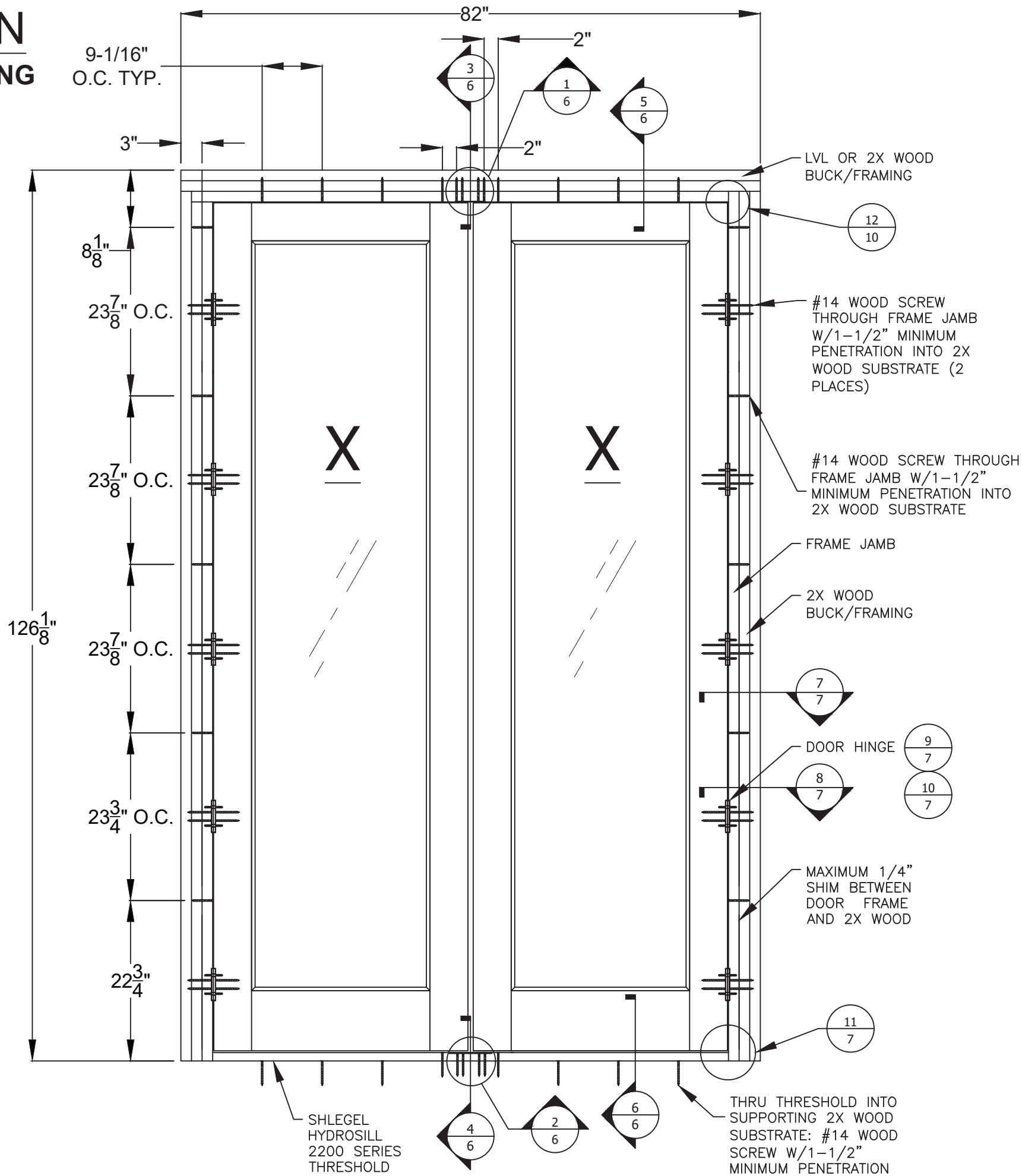
DATE

BY

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



XX ELEVATION
2X WOOD BUCK/FRAMING
INSTALLATION



PROJECT #ACE-2025-135

REV	DESCRIPTION	DATE	BY
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A	UPDATED TO 8th EDITION (2023) FBC	7/10/23	RJA

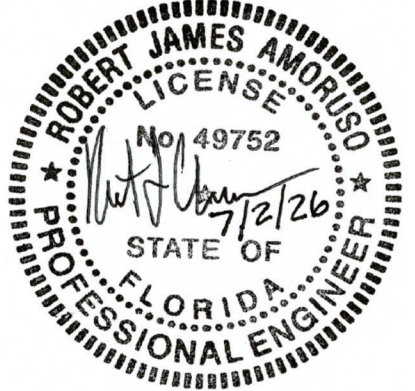
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Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing
ELEVATION - ANCHOR LAYOUT - WOOD

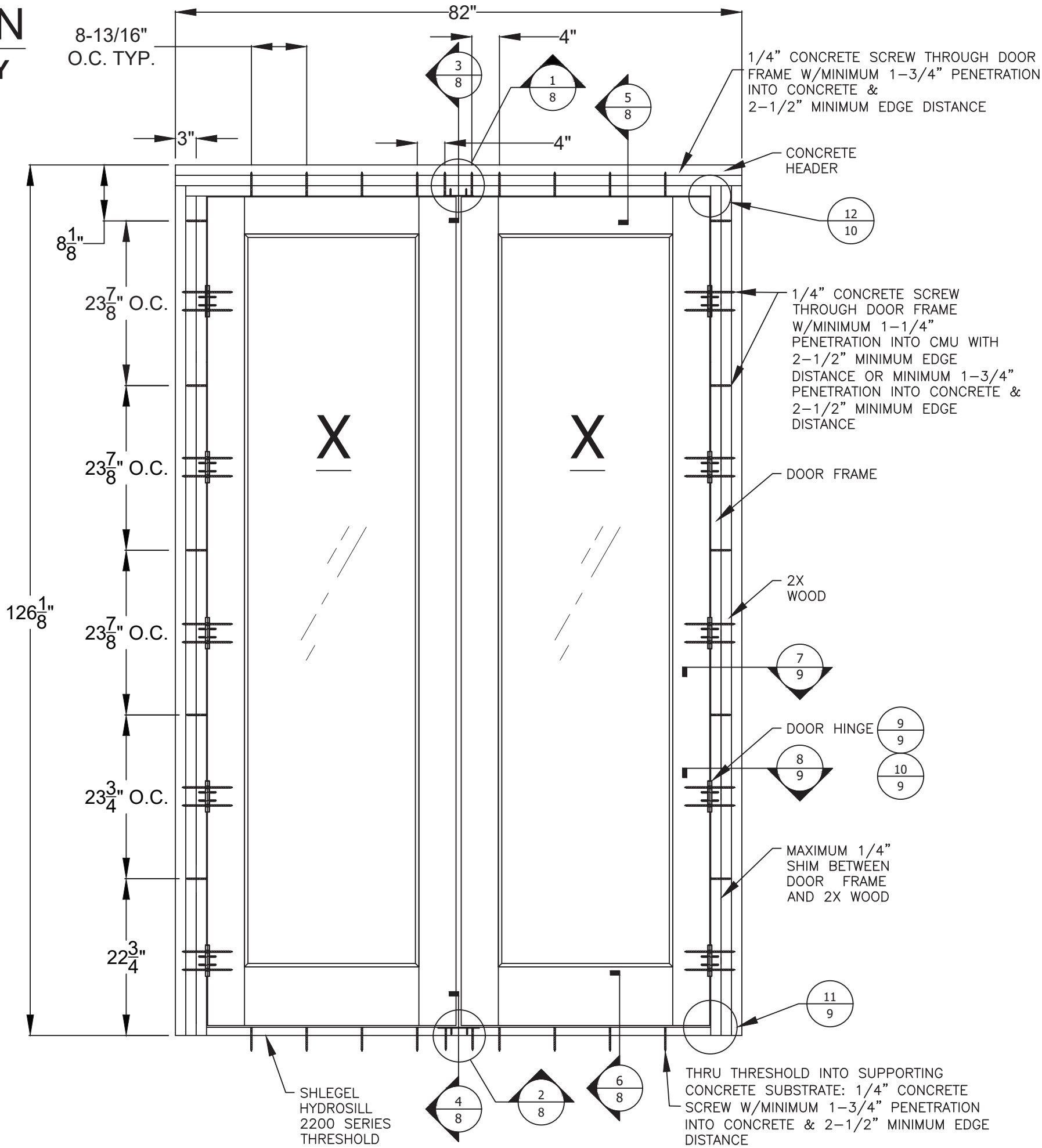
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SCALE:	N.T.S.	DRAWING NO:	DSA0006
REV:	B	SHEET:	3 OF 19

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XX ELEVATION
CONCRETE/MASONRY
INSTALLATION



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Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing
ELEVATION - ANCHOR LAYOUT - CONCRETE/MASONRY

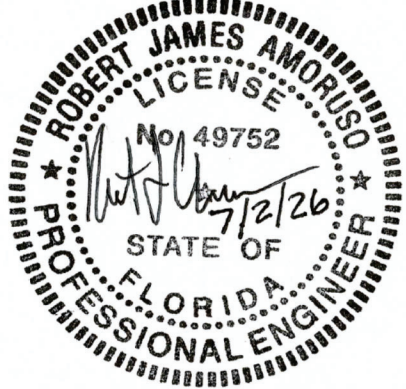
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SCALE:	N.T.S.	DRAWING NO:	DSA0006
REV:	B	SHEET:	4 OF 19

AMORUSO CONSULTING ENG., LLC
FBPE REGISTRATION NO. 38327
226 N NOVA RD, NO. 142
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM

PROJECT #ACE-2025-135

REV	DESCRIPTION	DATE	BY
B	UPDATED TO 9TH EDITION (2026) FBC	7/1/26	RJA
A	UPDATED TO 8th EDITION (2023) FBC	7/10/23	RJA

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Technical drawing of a double door unit showing dimensions and installation details. The drawing includes the following dimensions and features:

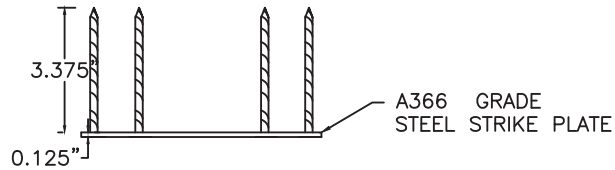
- Top Dimension:** $1\frac{1}{2}"$ (indicated by a downward arrow from the top edge).
- Left Side Dimensions (from top to bottom):**
 - $13"$ OR LESS (indicated by a double-headed vertical arrow).
 - $19\frac{1}{2}"$ (indicated by a double-headed vertical arrow).
 - $19\frac{1}{2}"$ (indicated by a double-headed vertical arrow).
 - $19\frac{1}{8}"$ (indicated by a double-headed vertical arrow).
 - $19\frac{1}{4}"$ (indicated by a double-headed vertical arrow).
 - $7\frac{1}{8}"$ (indicated by a double-headed vertical arrow).
- Right Side Dimensions:**
 - $1\frac{1}{2}"$ (indicated by a double-headed vertical arrow at the bottom).
- Door Features:**
 - Two large rectangular panels, each marked with a large "X" and diagonal lines, indicating glass or a specific material.
 - Small rectangular details (possibly handles or hinges) are shown along the vertical edges of the door panels.

AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM	DRAWN BY: RJA SCALE: N.T.S. REV: B	DATE: 10/10/2020 DRAWING NO: DSA0006 SHEET: 5 OF 19
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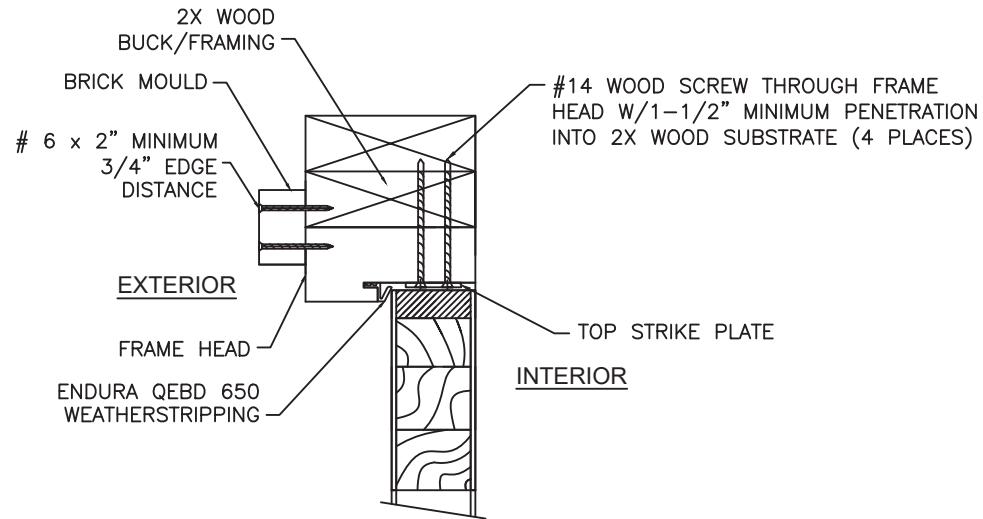
B	UPDATED TO 9TH EDITION (2026) FBC	7/1/26	RJA
A	UPDATED TO 8th EDITION (2023) FBC	7/10/23	RJA
REV	DESCRIPTION	DATE	BY

A circular professional engineer seal for Robert James Amoroso, State of Florida. The seal contains the text "ROBERT JAMES AMOROSO", "LICENSE", "No 49752", "7/2/26", "STATE OF", and "FLORIDA". The outer ring of the seal reads "PROFESSIONAL ENGINEER" and "P.E." is visible on the left side. The seal is stamped in black ink on a white background.

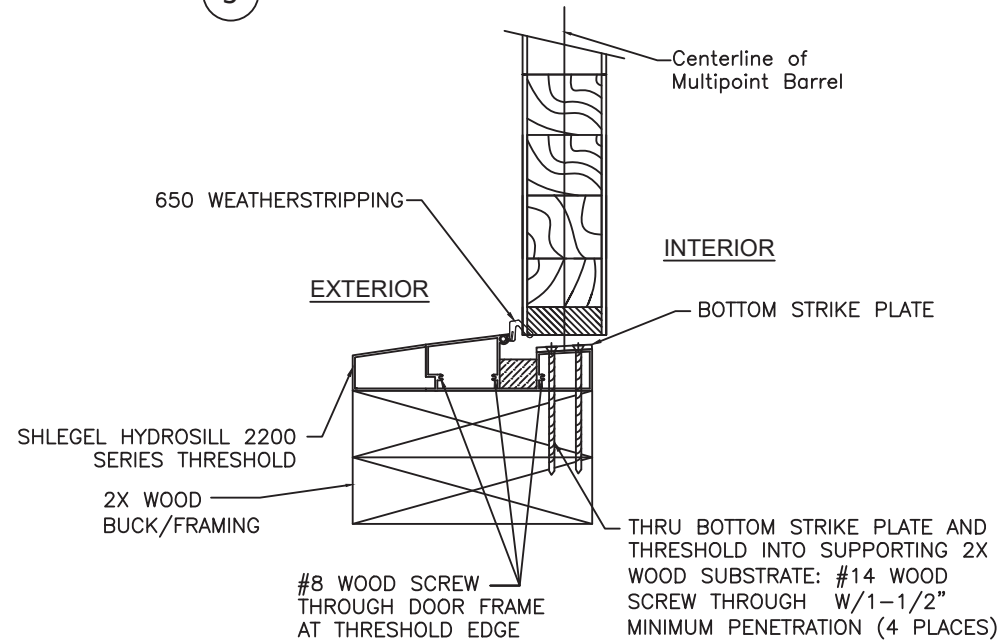
DETAILS



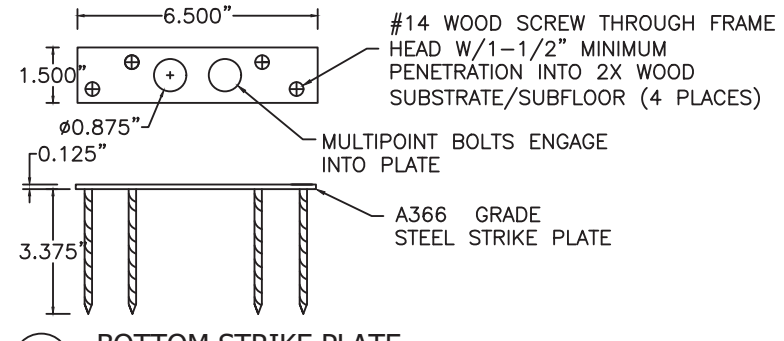
1 TOP STRIKE PLATE



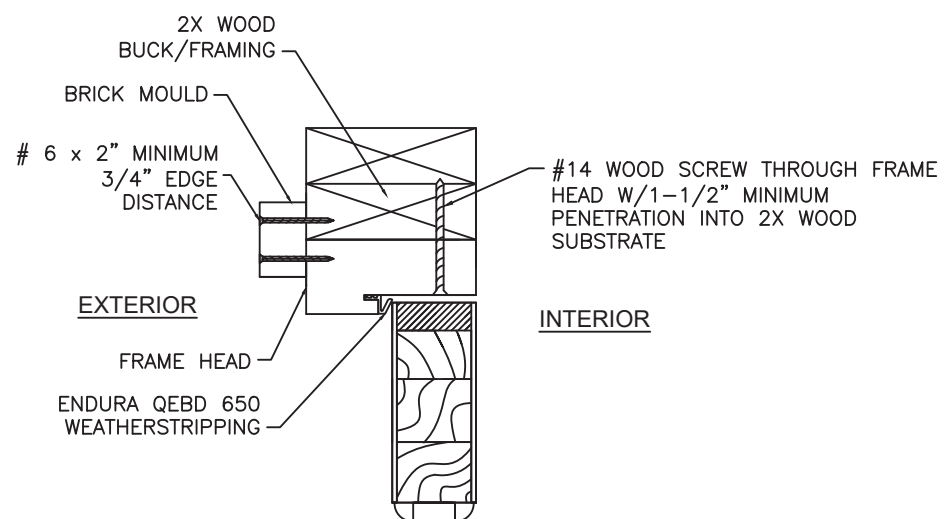
3 HEAD ANCHORAGE AT STRIKE PLATE



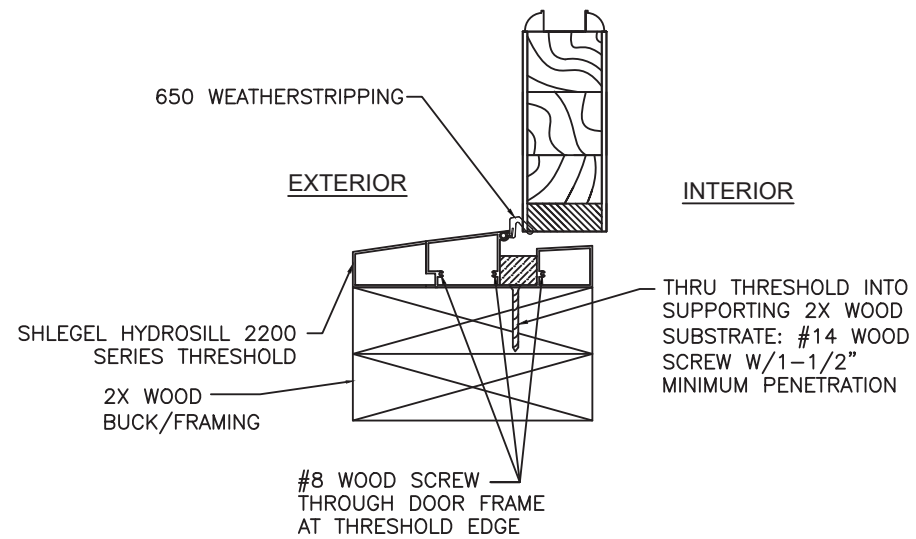
4 THRESHOLD SECTION AT STRIKE PLATE



2 BOTTOM STRIKE PLATE



5 HEAD ANCHORAGE AT FRAME HEAD



6 THRESHOLD SECTION AT SILL

PROJECT #ACE-2025-135

**10681 World Trade Blvd
Raleigh, NC 27617**

WOOD INSTALLATION - DETAILS 1 THRU 6

AMORUSO CONSULTING ENG., LLC	RJA	10/10/2020
FBPE REGISTRATION NO. 38327	SCALE:	DRAWING NO:
226 N NOVA RD. NO. 142	N T C	DSA0000

REV	DESCRIPTION	DATE	BY
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6 OF 19

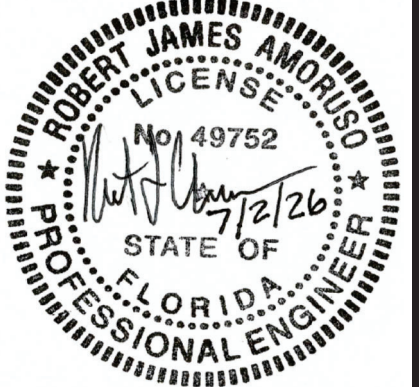
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6 OF 19

REV	DESCRIPTION	DATE	BY
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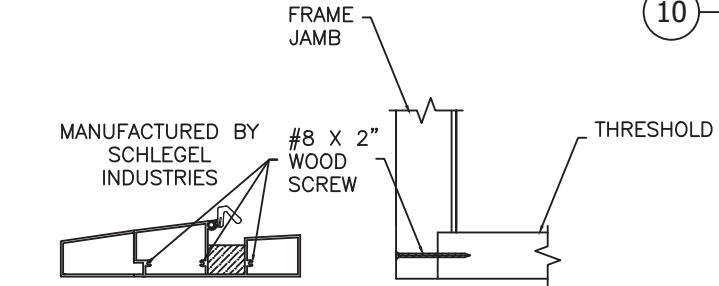
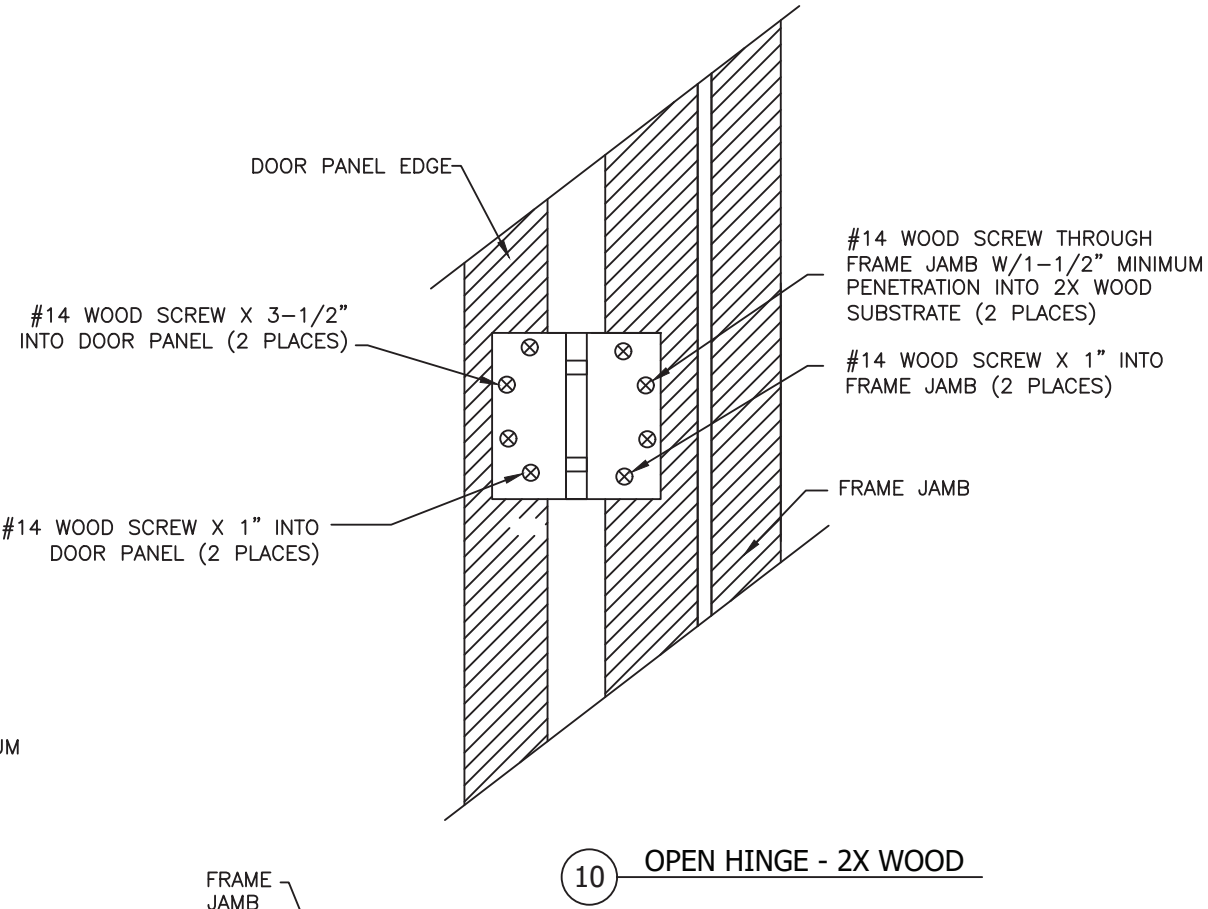
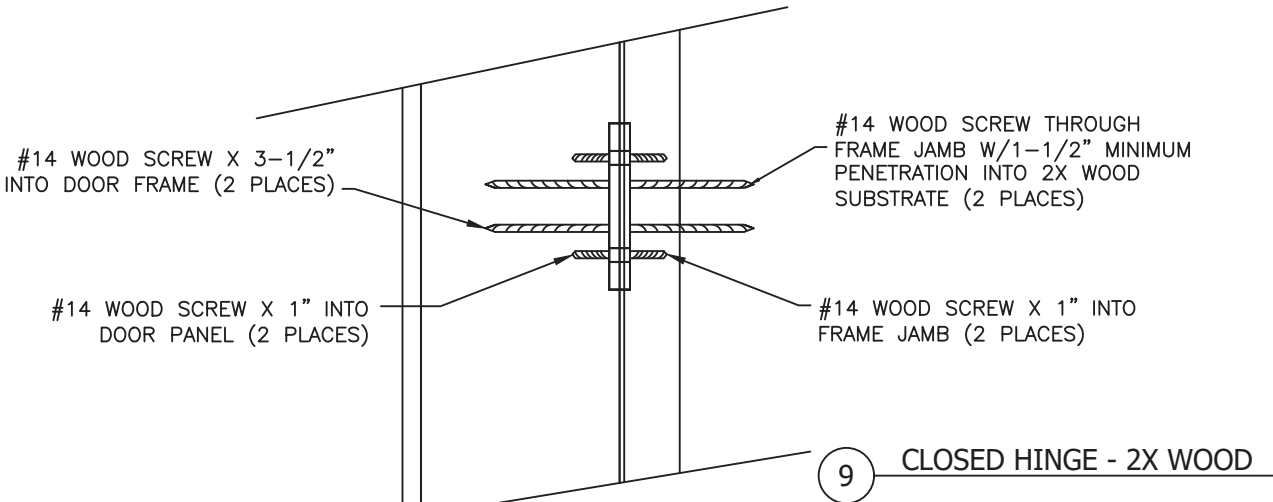
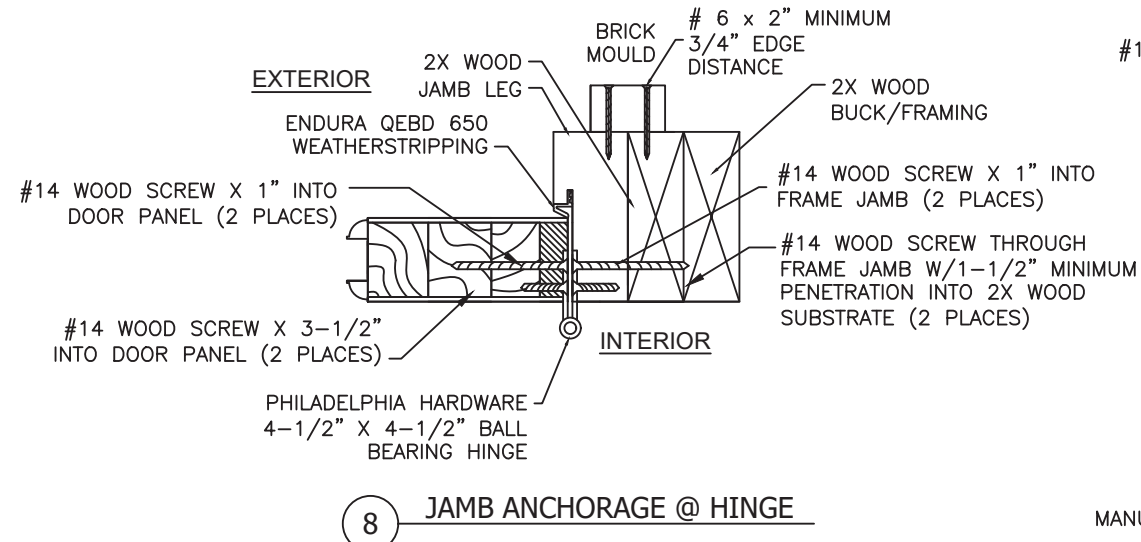
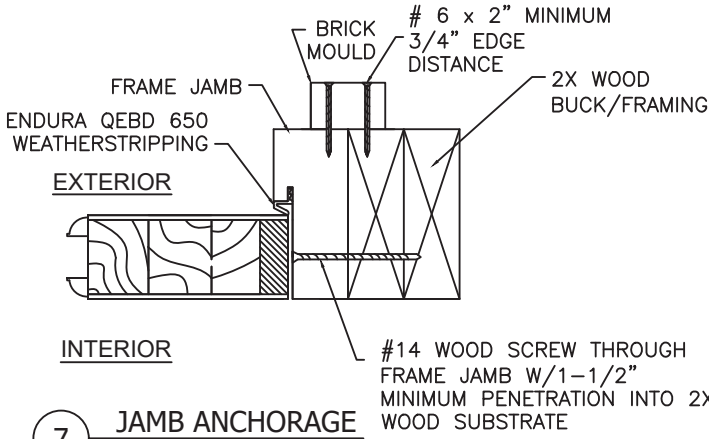
6 OF 19

Robert J. Amoruso, P.E.
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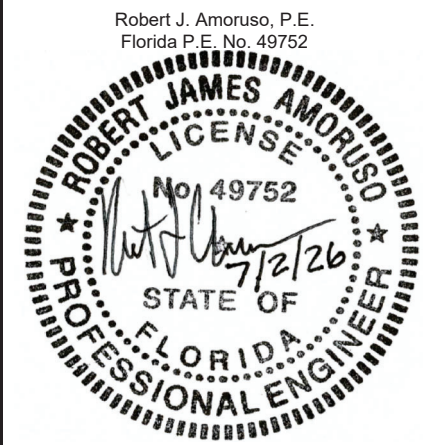
DETAILS

2X WOOD BUCK/FRAMING
INSTALLATION



PROJECT #ACE-2025-135			RJA	RJA	BY
		7/1/26			
	UPDATED TO 9TH EDITION (2026) FBC		B		
	UPDATED TO 8th EDITION (2023) FBC	7/1/23	A		
	DESCRIPTION	DATE	REV		

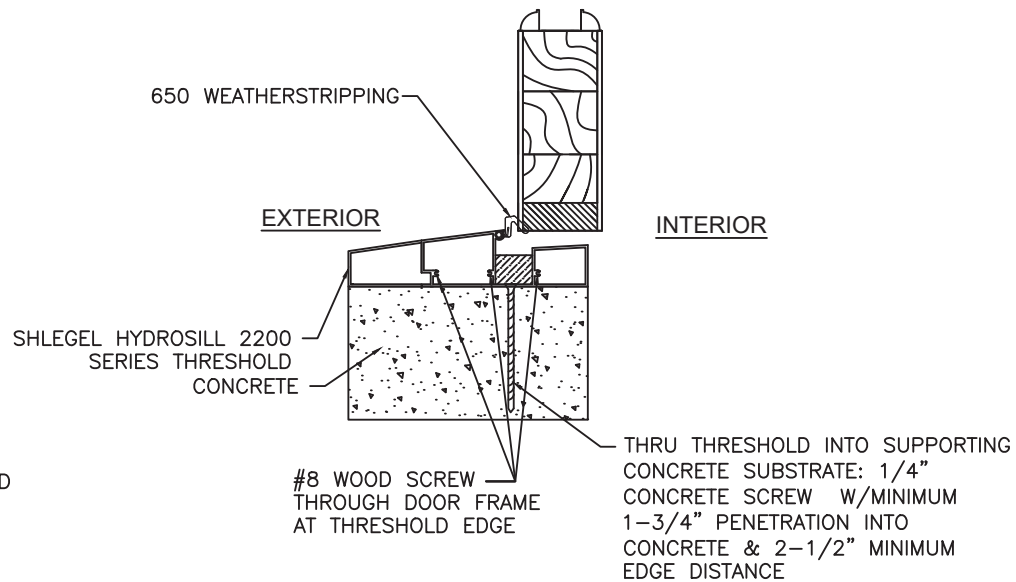
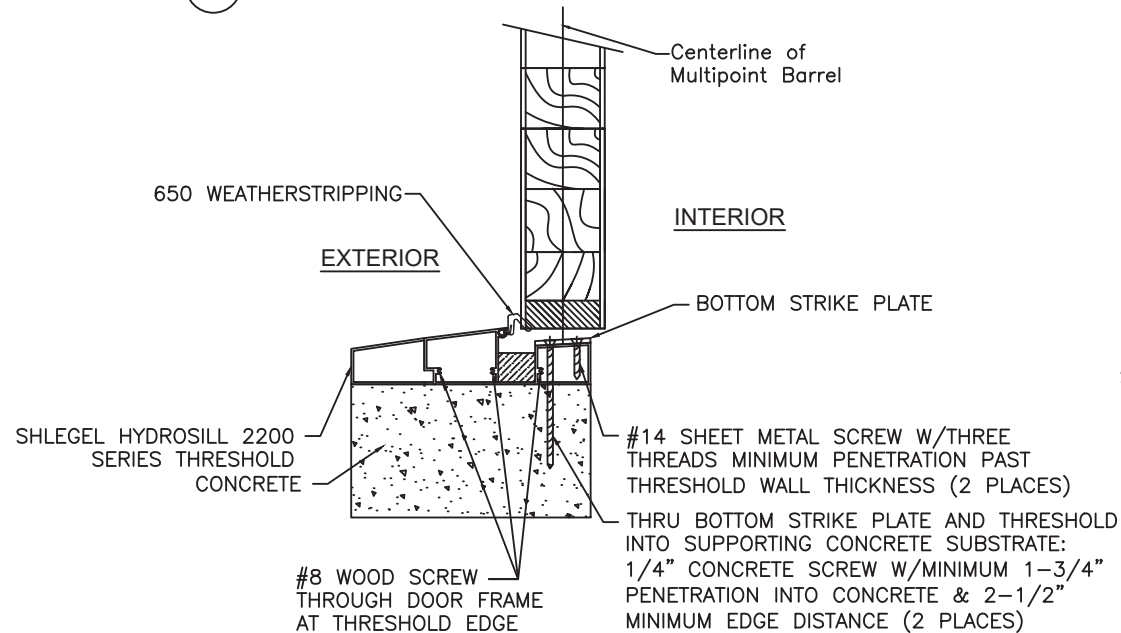
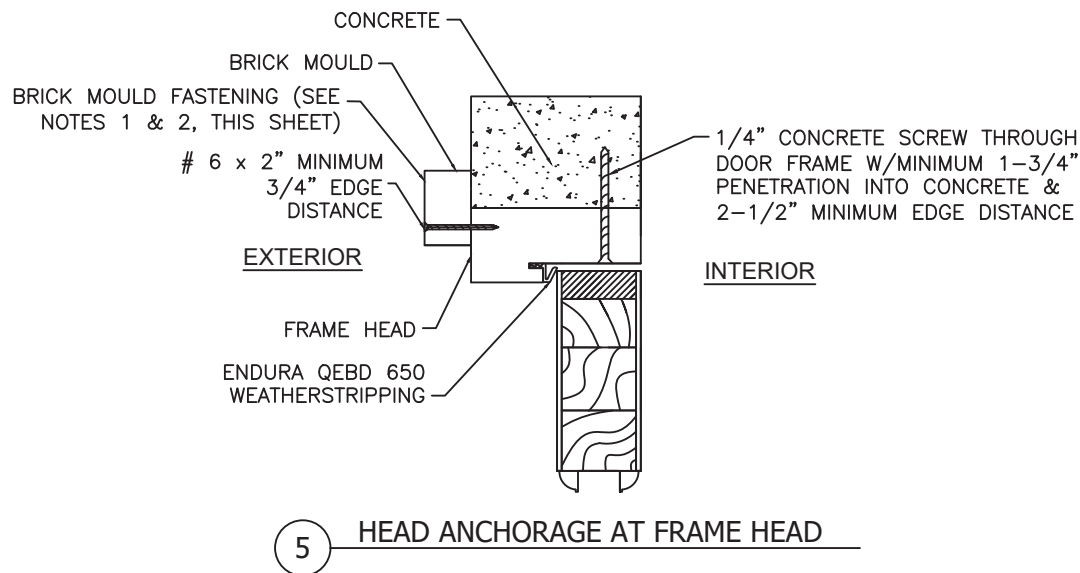
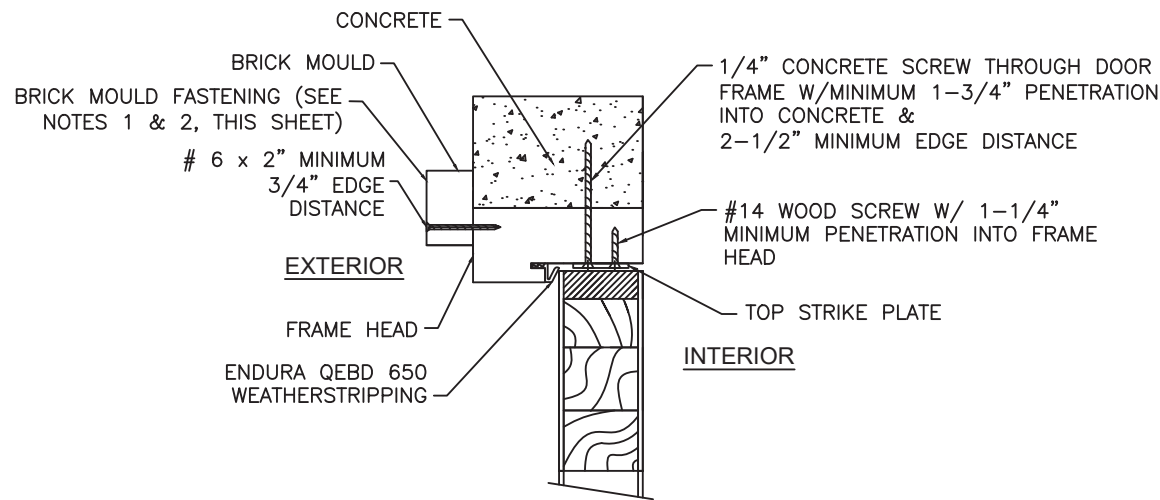
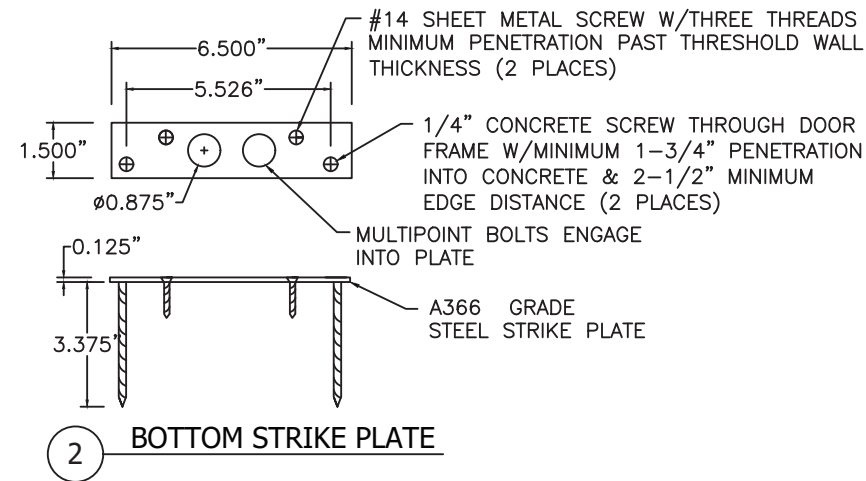
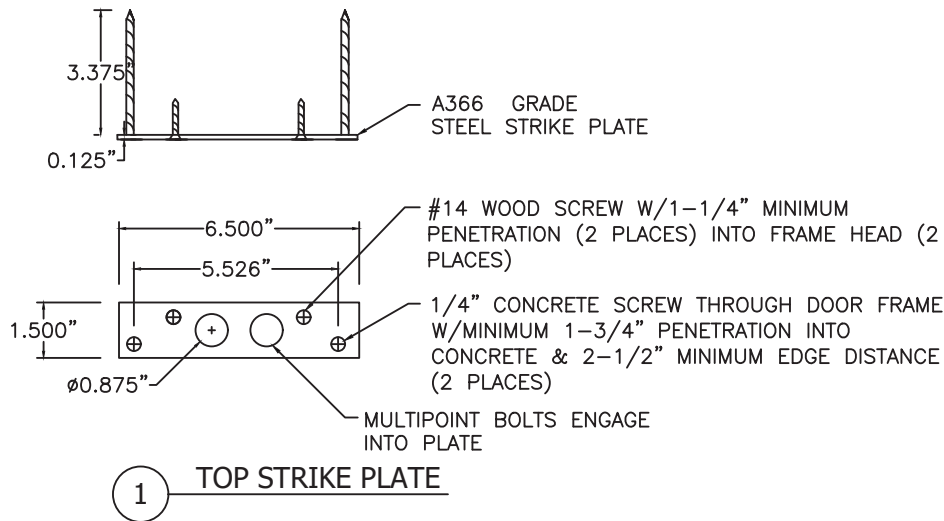
The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617		DATE: 10/10/2020		DRAWING NO: DSA0006		SHEET: 7 OF 19	
TITLE: Complete Collection, Single and Double Doors, Inswing WOOD INSTALLATION - DETAILS 7 THRU 11		DRAWN BY: RJA		SCALE: N.T.S.		REV: B	
		AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM					



DETAILS
CONCRETE
INSTALLATION

NOTES:

- 1. BRICK MOULD INSTALLATION SHALL USE NO. 6 WOOD SCREW X 2" MINIMUM LENGTH FOR BRICK MOULD-TO-DOOR FRAME INSTALLATION
- 2. ALL ADDITIONAL FASTENING INCLUDING THE USE OF SEALANTS SHALL BE AT THE DISCRETION OF THE INSTALLER OR AS RECOMMENDED BY THE DOOR MANUFACTURER.



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TITLE: Complete Collection, Single and Double Doors, Inswing
CONCRETE INSTALLATION - DETAILS 1 THRU 6

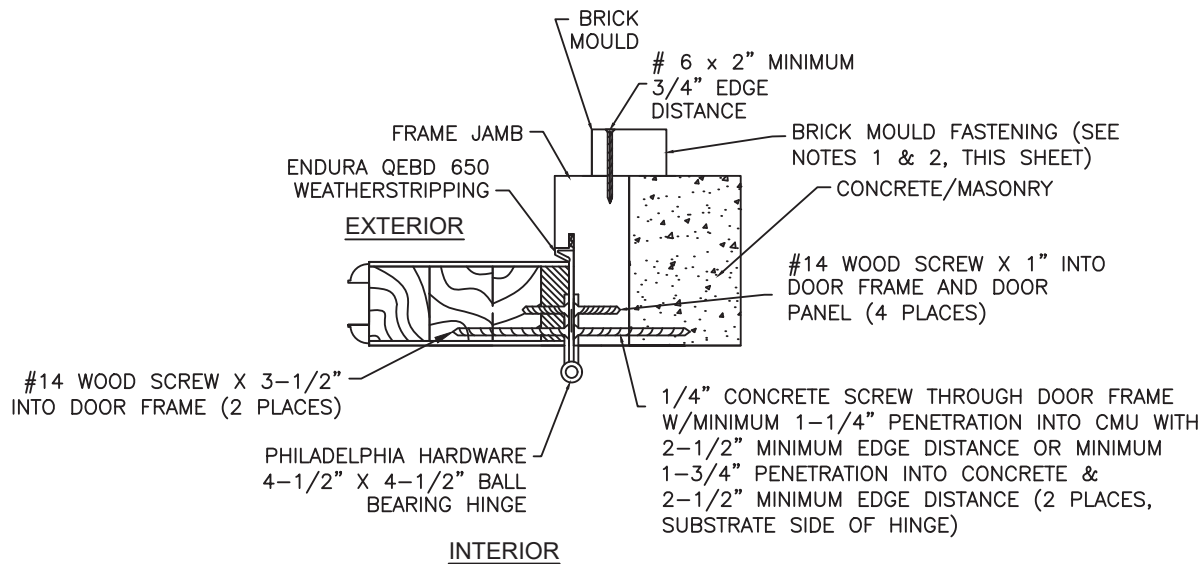
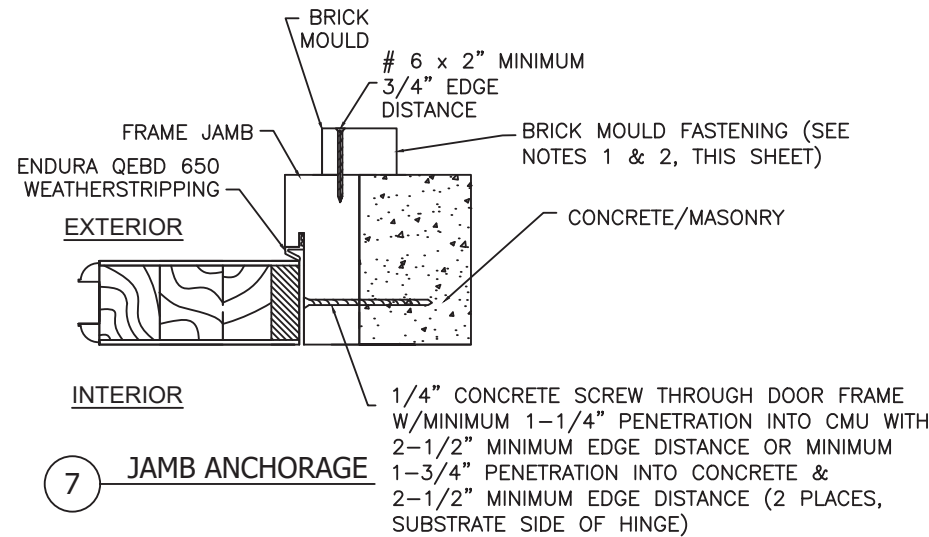
DRAWN BY: RJA
SCALE: N.T.S.
REV: B
DATE: 10/10/2020
DRAWING NO: DSA0006
SHEET: 8 OF 19

BY: RJA
DATE: 7/1/26
DESCRIPTION: UPDATED TO 9TH EDITION (2026) FBC
REV: A
DATE: 7/1/23
DESCRIPTION: UPDATED TO 8th EDITION (2023) FBC

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

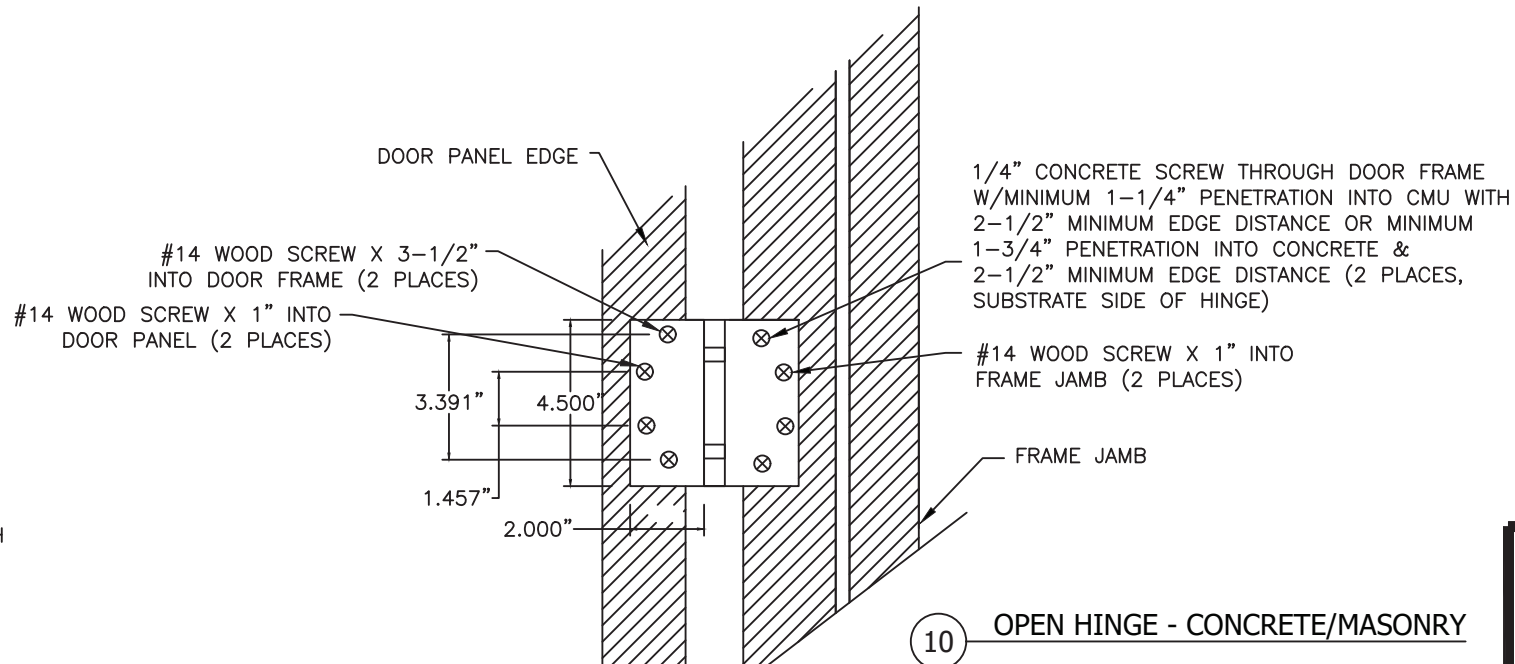
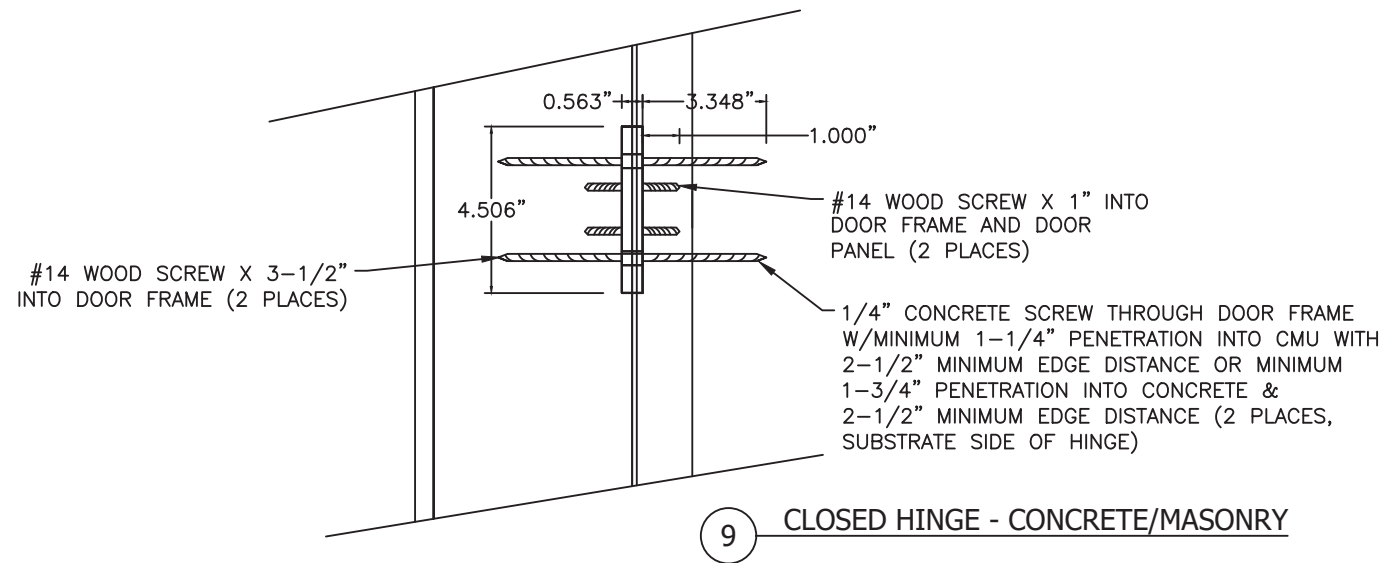
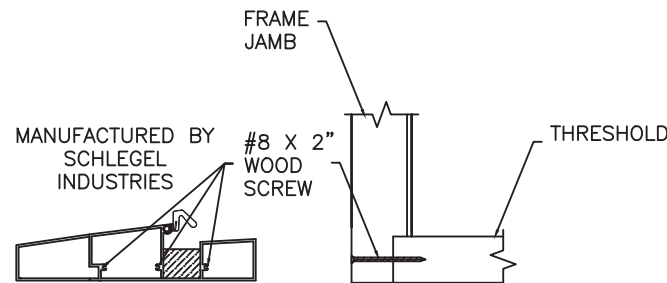


DETAILS
CONCRETE/MASONRY
INSTALLATION



NOTES:

- BRICK MOULD INSTALLATION SHALL USE NO. 6 WOOD SCREW X 2" MINIMUM LENGTH FOR BRICK MOULD-TO-DOOR FRAME INSTALLATION
- ALL ADDITIONAL FASTENING INCLUDING THE USE OF SEALANTS SHALL BE AT THE DISCRETION OF THE INSTALLER OR AS RECOMMENDED BY THE DOOR MANUFACTURER.



PROJECT #ACE-2025-135

The Door Store of America, Inc.
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing
CONCRETE/MASONRY INSTALLATION - DETAILS 7 THRU 11

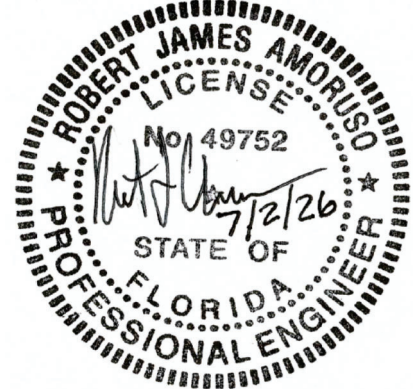
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SCALE: N.T.S.
REV: B

DATE: 10/10/2020
DRAWING NO: DSA0006
SHEET: 9 OF 19

UPDATED TO 9TH EDITION (2026) FBC
UPDATED TO 8th EDITION (2023) FBC

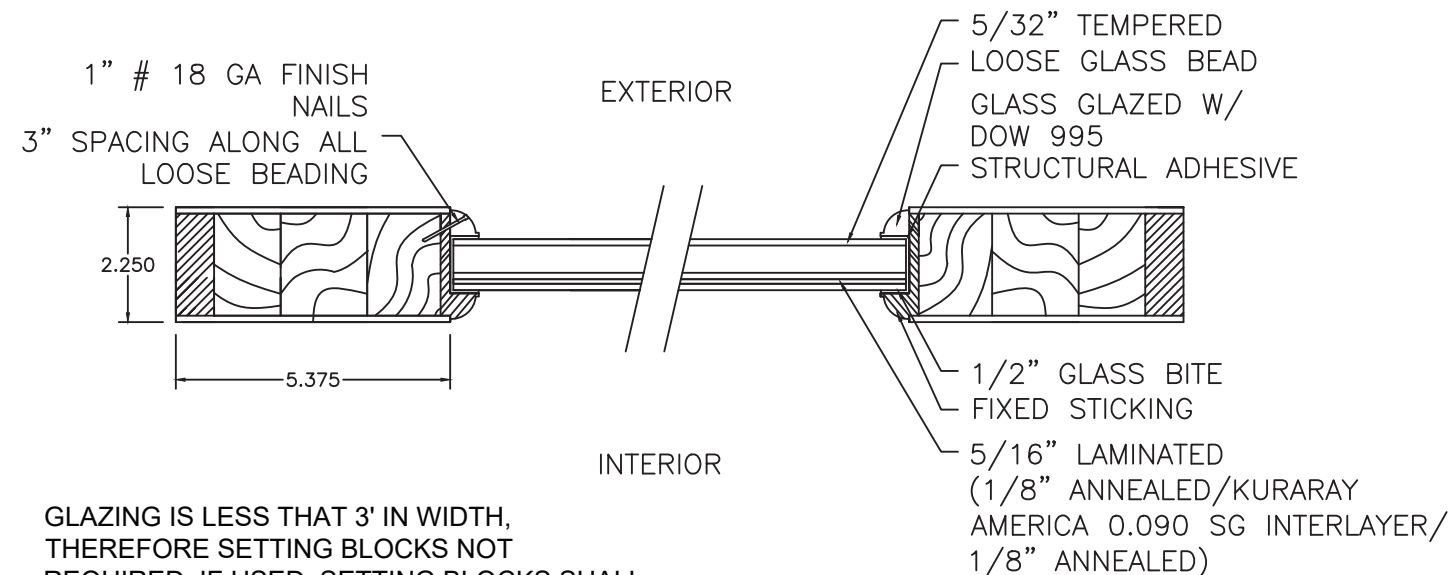
DESCRIPTION
DATE
BY

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



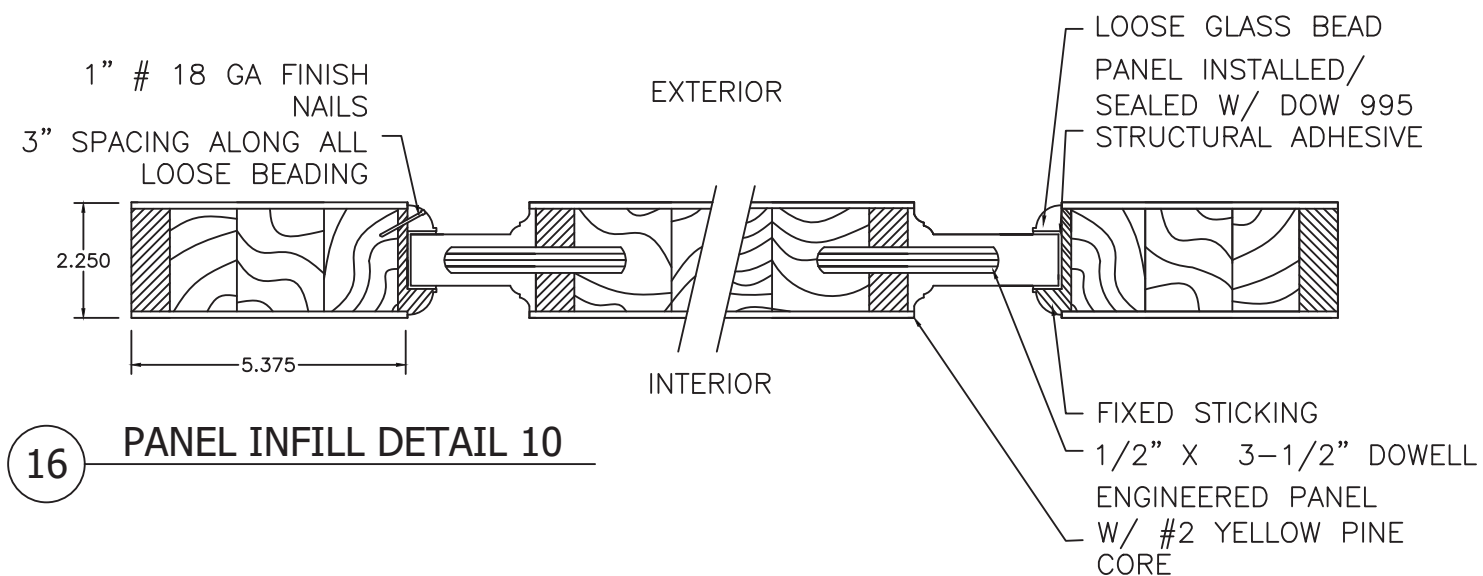
DETAILS

MISCELLANEOUS

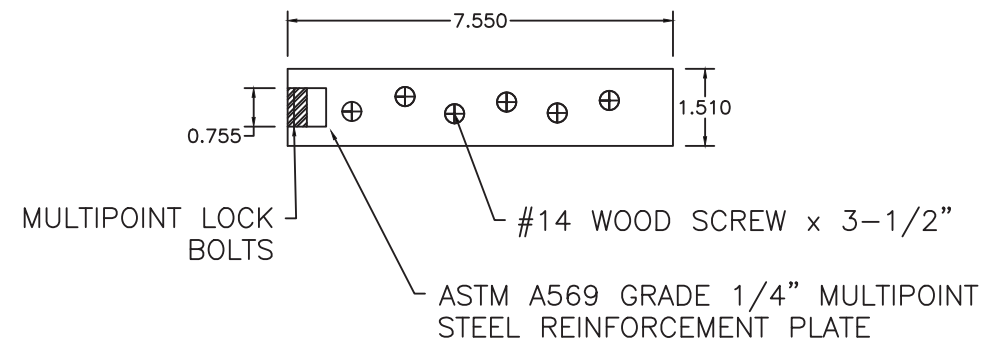


GLAZING IS LESS THAN 3' IN WIDTH,
THEREFORE SETTING BLOCKS NOT
REQUIRED. IF USED, SETTING BLOCKS SHALL
BE NEOPRENE 70-90 SHORE A DUROMETER
HARDNESS OR APPROVED EQUAL.

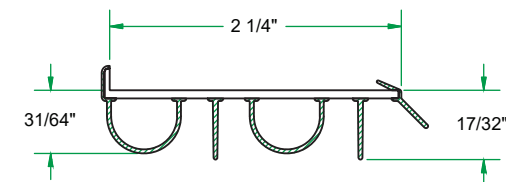
15 PANEL GLAZING DETAIL 9



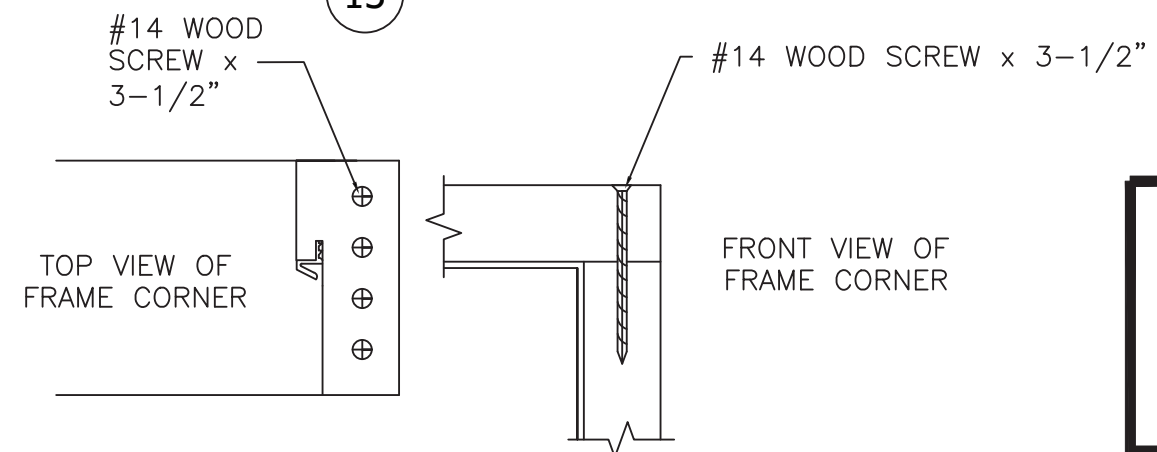
16 PANEL INFILL DETAIL 10



14 REINFORCEMENT PLATE AT MULTIPOINT LOCK



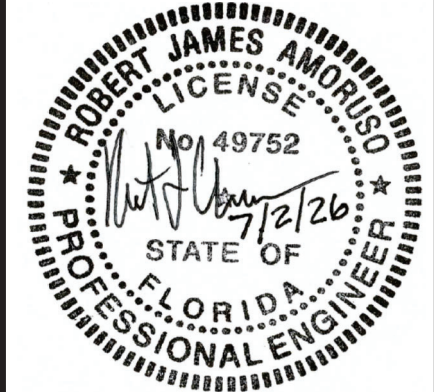
DBS-214
DOOR SWEEP



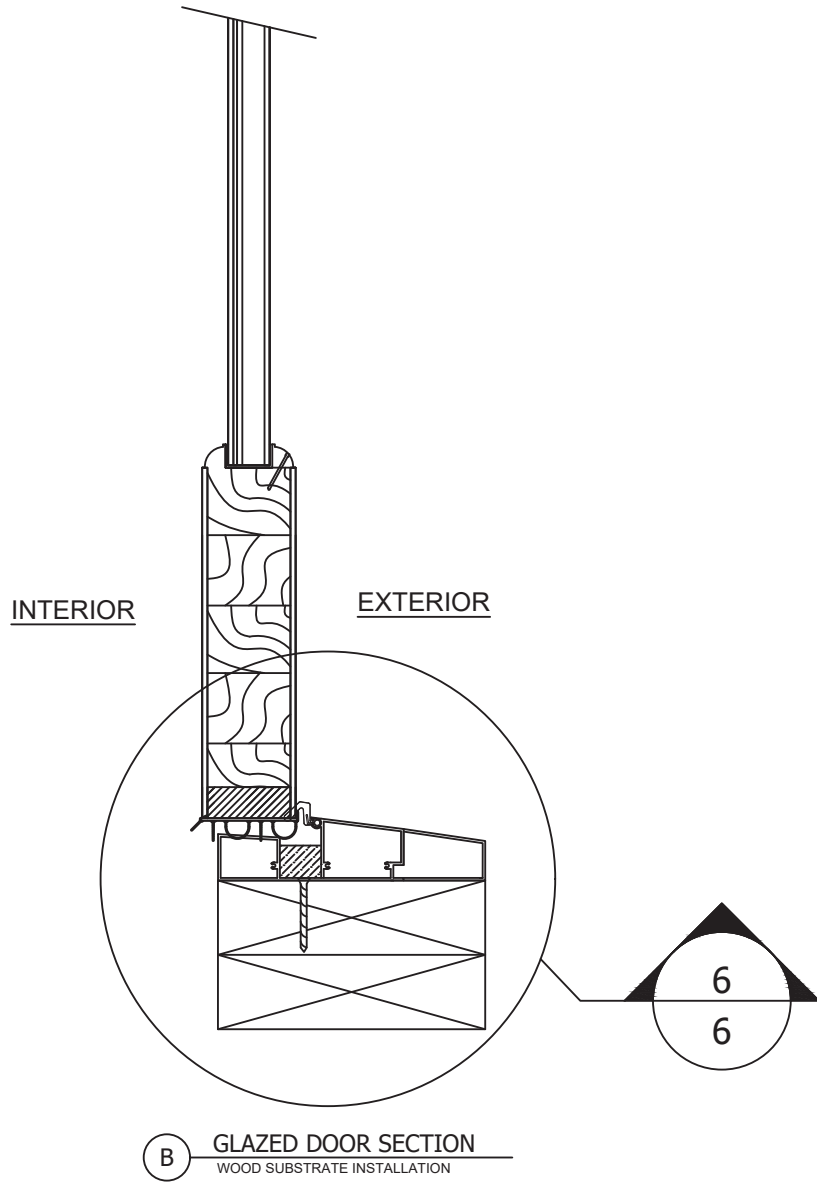
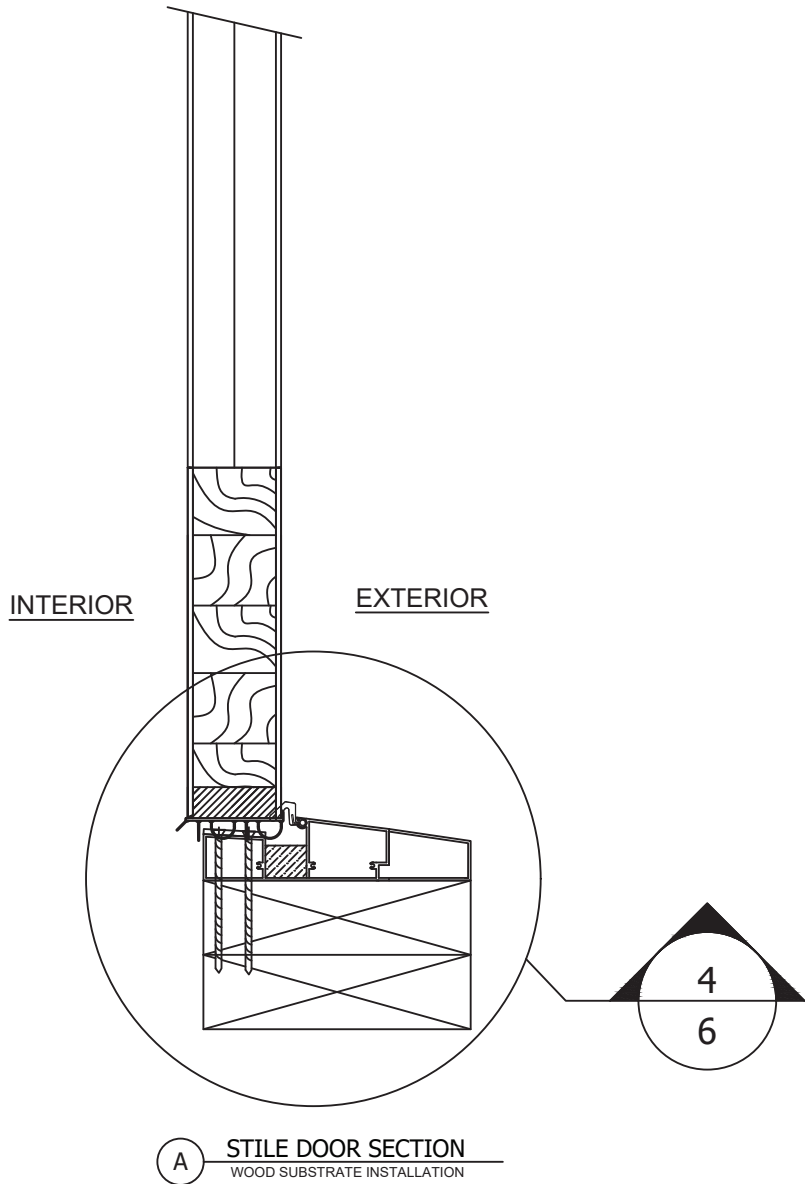
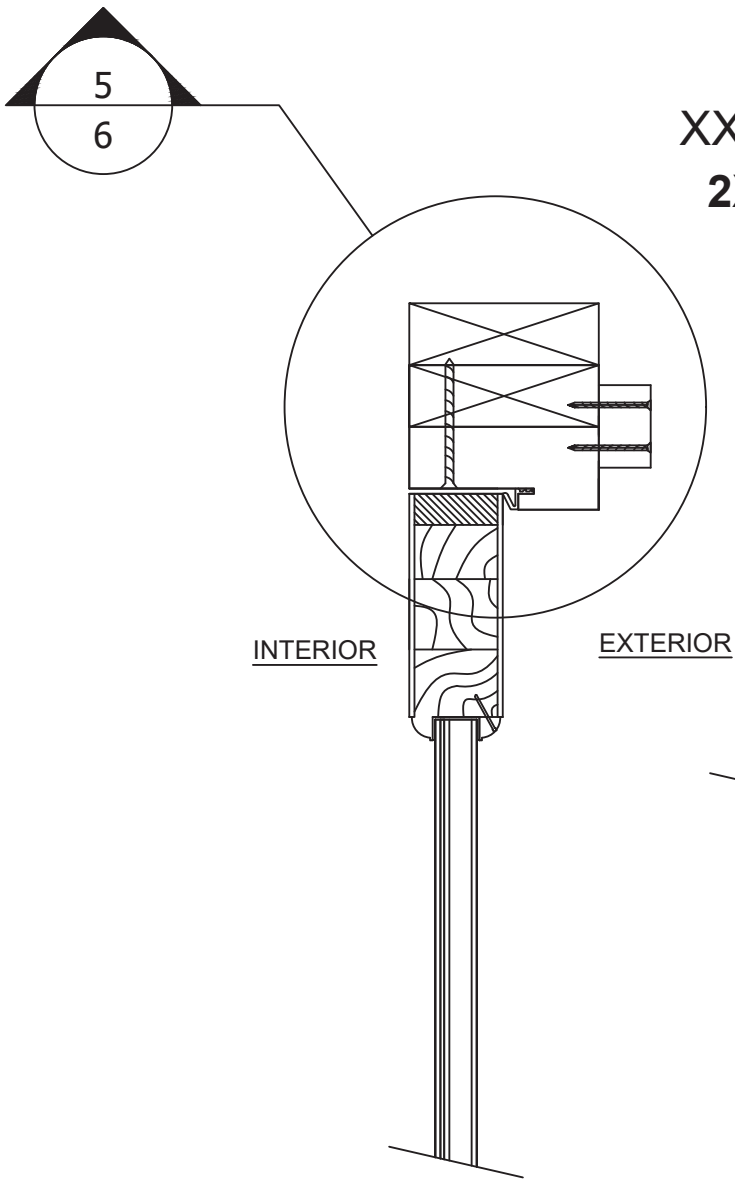
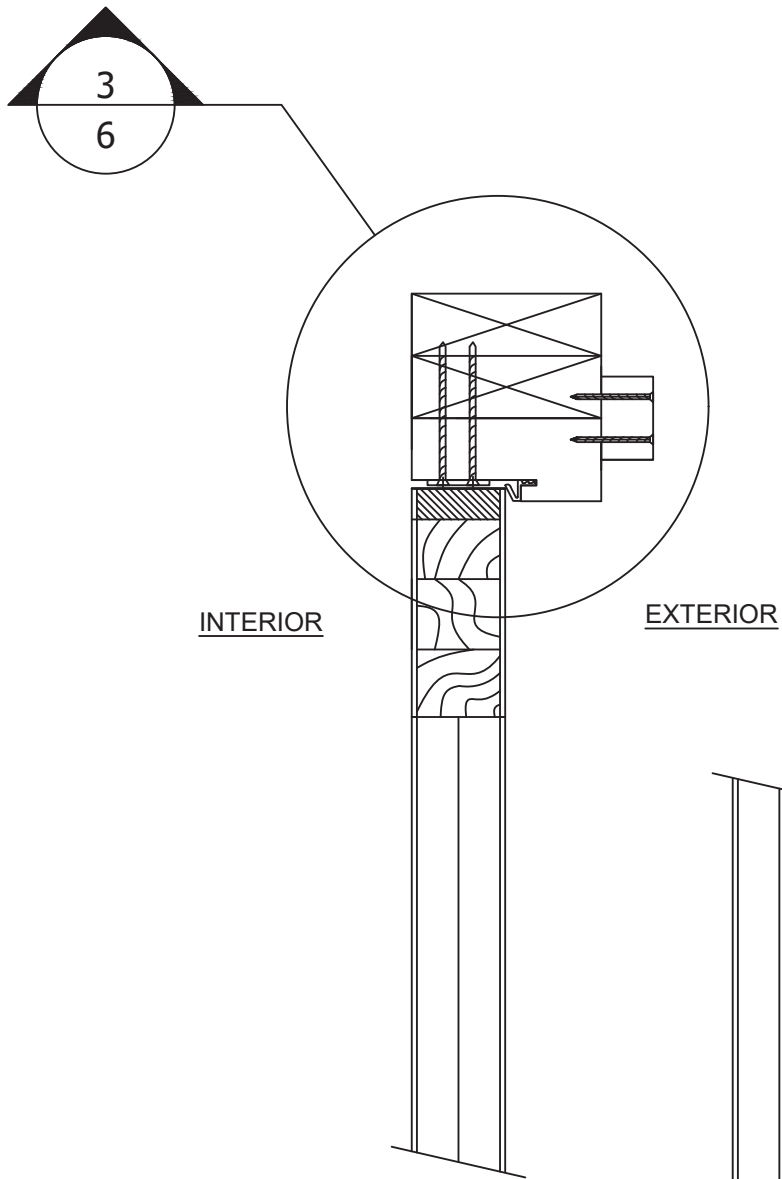
12 FRAME EDGE DETAIL

The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617				PROJECT #ACE-2025-135			
TITLE: Complete Collection, Single and Double Doors, Inswing DETAILS - MISCELLANEOUS		DRAWN BY: RJA		DATE: 10/10/2020			
		SCALE: N.T.S.		DRAWING NO: DSA0006			
		REV: B		SHEET: 10 OF 19			
		AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM		B	UPDATED TO 9TH EDITION (2026) FBC	7/1/26	RJA
				A	UPDATED TO 8th EDITION (2023) FBC	7/10/23	RJA
				REV	DESCRIPTION	DATE	BY

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



SECTIONS
XX DOOR VERTICAL VIEWS
2X WOOD BUCK/FRAMING
INSTALLATION



A STILE DOOR SECTION
WOOD SUBSTRATE INSTALLATION

B GLAZED DOOR SECTION
WOOD SUBSTRATE INSTALLATION

The Door Store of America, Inc.

10681 World Trade Blvd

Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing

SECTIONS - VERTICAL - WOOD INSTALLATION

AMORUSO CONSULTING ENG., LLC

FBPE REGISTRATION NO. 38327

226 N NOVA RD, NO. 142

ORMOND BEACH, FL 32174

RIAENGPE@GMAIL.COM

DRAWN BY: RJA

SCALE: N.T.S.

REV: B

SHEET: 11 OF 19

DATE: 10/10/2020

DRAWING NO: DSA0006

DESCRIPTION

REV

DATE

BY

UPDATED TO 9TH EDITION (2026) FBC

7/1/26

RJA

UPDATED TO 8th EDITION (2023) FBC

7/1/23

RJA

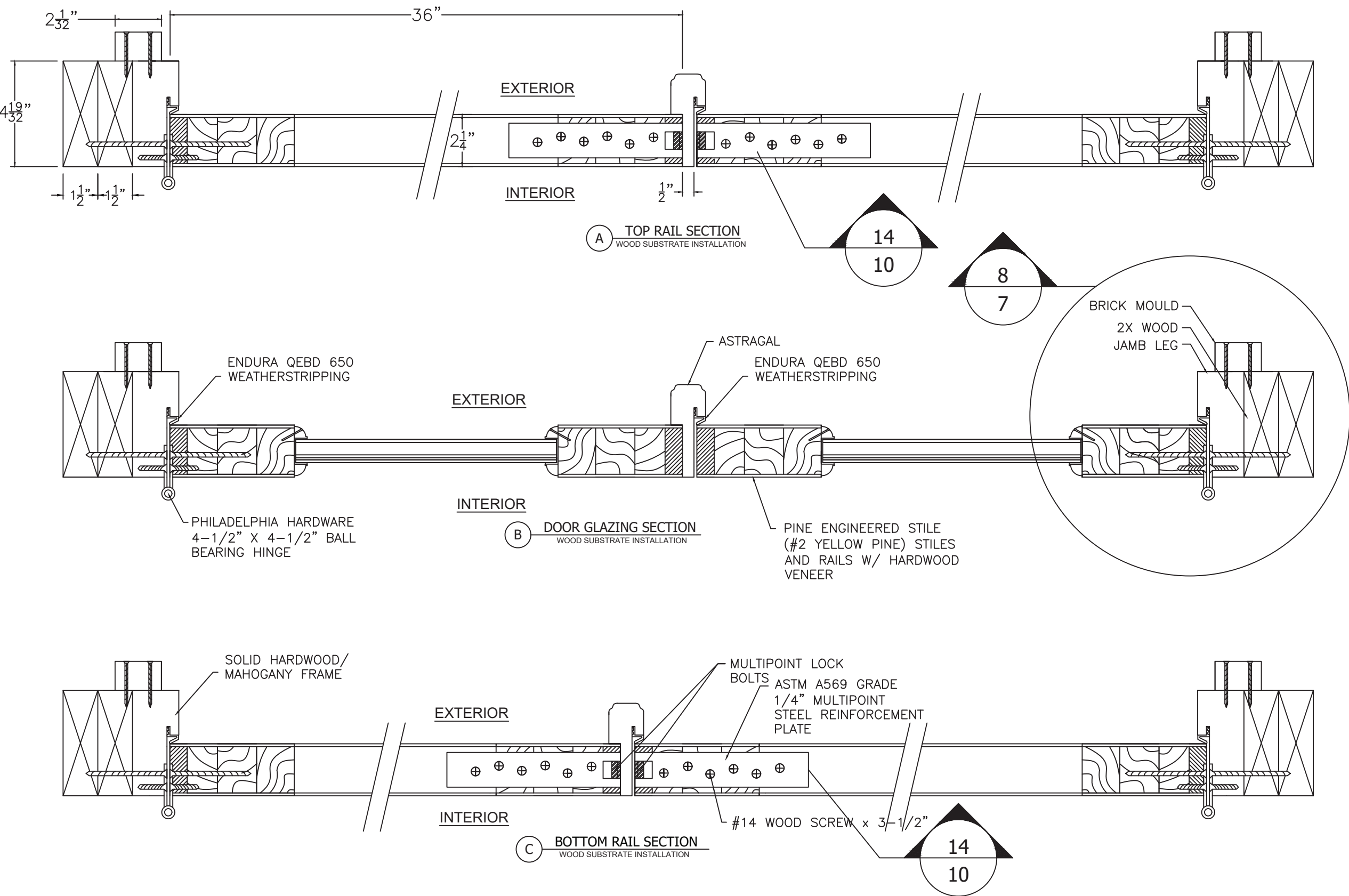
PROJECT #ACE-2025-135

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



SECTIONS

XX DOOR HORIZONTAL VIEWS
2X WOOD BUCK/FRAMING INSTALLATION



PROJECT #ACE-2025-135			
		RJA	BY
	7/1/26		DATE
UPDATED TO 9TH EDITION (2026) FBC	B		
UPDATED TO 8th EDITION (2023) FBC	A		
DESCRIPTION	REV		

The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617			
TITLE: Complete Collection, Single and Double Doors, Inswing SECTIONS - HORIZONTAL - WOOD INSTALLATION			
DRAWN BY: RJA	DATE: 10/10/2020	DRAWING NO: DSA0006	SHEET: 12 OF 19
SCALE: N.T.S.	REV: B		
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM			

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

ROBERT JAMES AMORUSO

LICENSE

No. 49752

7/2/26

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

Technical drawing showing a cross-section of a roof assembly. A circular callout magnifies a specific area of the roof assembly, highlighting the internal structure and components. The callout shows a vertical section of the roof assembly, including a concrete slab (indicated by a stippled pattern) and a vertical reinforcement bar (indicated by a hatched pattern). The callout also shows a horizontal section of the roof assembly, including a concrete slab (indicated by a stippled pattern) and a horizontal reinforcement bar (indicated by a hatched pattern). The callout is labeled with the number 3 and 8, indicating the specific area of the roof assembly being magnified.

INTERIOR

EXT

EXTERIOR

EXTERIOR

5
8

INTERIOR

EXTERIOR

The diagram illustrates a roof cross-section. A callout circle provides a detailed view of the roof assembly, showing a sloped roof structure with a vertical section of insulation or structural material. The interior of the building is indicated by the label 'INTERIOR' and the exterior by 'EXTERIOR'.

EXTERIOR

EXTERIOR

Technical cross-section diagram of a window assembly. The diagram is divided into two main sections: **INTERIOR** on the left and **EXTERIOR** on the right. A vertical window frame is shown, with a circular callout highlighting a detail of the frame and sill. The callout shows a cross-section of the frame with a hatched area, a circular component, and a sloped sill. To the right of the callout is a circular symbol containing the numbers **6** and **8**, with a triangle pointing to the callout.

Robert J. Amoroso, P.E.
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ROBERT JAMES AMOROSO
LICENSE
No. 49752
7/2/26
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SECTION - VERTICAL - CONCRETE INSTALLATION

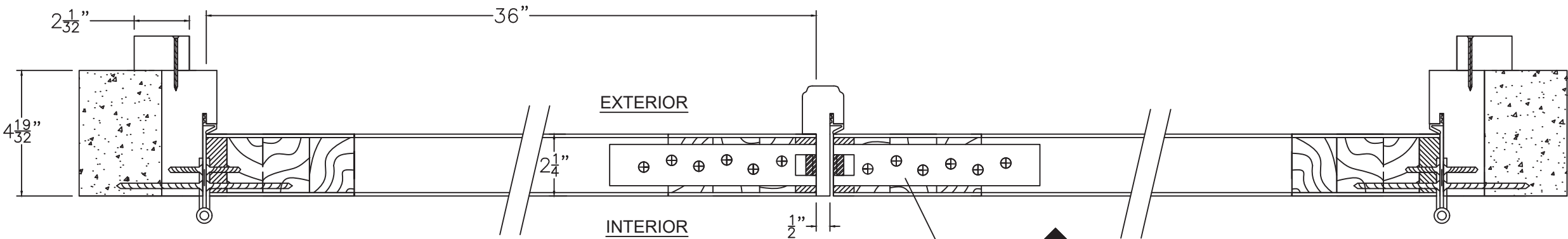
AMORUSO CONSULTING ENG., LLC	DRAWN BY:	RJA	DATE:	10/10/2020
FBPE REGISTRATION NO. 38327	SCALE:	N.T.S.	DRAWING NO:	DSA0006
226 N NOVA RD, NO. 142	REV:	B	SHEET:	13 OF 19
ORMOND BEACH, FL 32174				
RJAENGPE@GMAIL.COM				

PROJECT #ACE-2025-135

REV	DESCRIPTION	DATE	BY
A	UPDATED TO 8th EDITION (2023) FBC	7/10/23	RJA
B	UPDATED TO 9TH EDITION (2026) FBC	7/1/26	RJA

SECTIONS

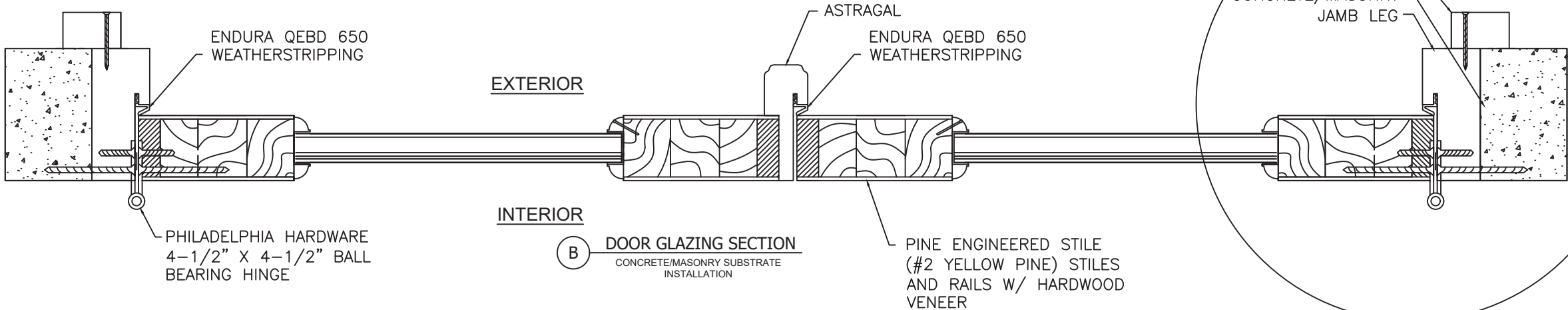
XX DOOR HORIZONTAL VIEWS
CONCRETE/MASONRY INSTALLATION



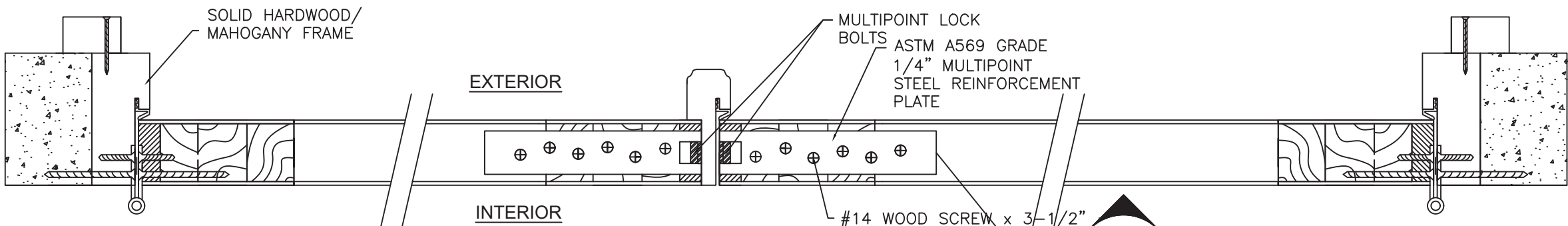
A TOP RAIL SECTION
CONCRETE/MASONRY SUBSTRATE
INSTALLATION

14
10

8
9



B DOOR GLAZING SECTION
CONCRETE/MASONRY SUBSTRATE
INSTALLATION



C BOTTOM RAIL SECTION
CONCRETE/MASONRY SUBSTRATE
INSTALLATION

14
10

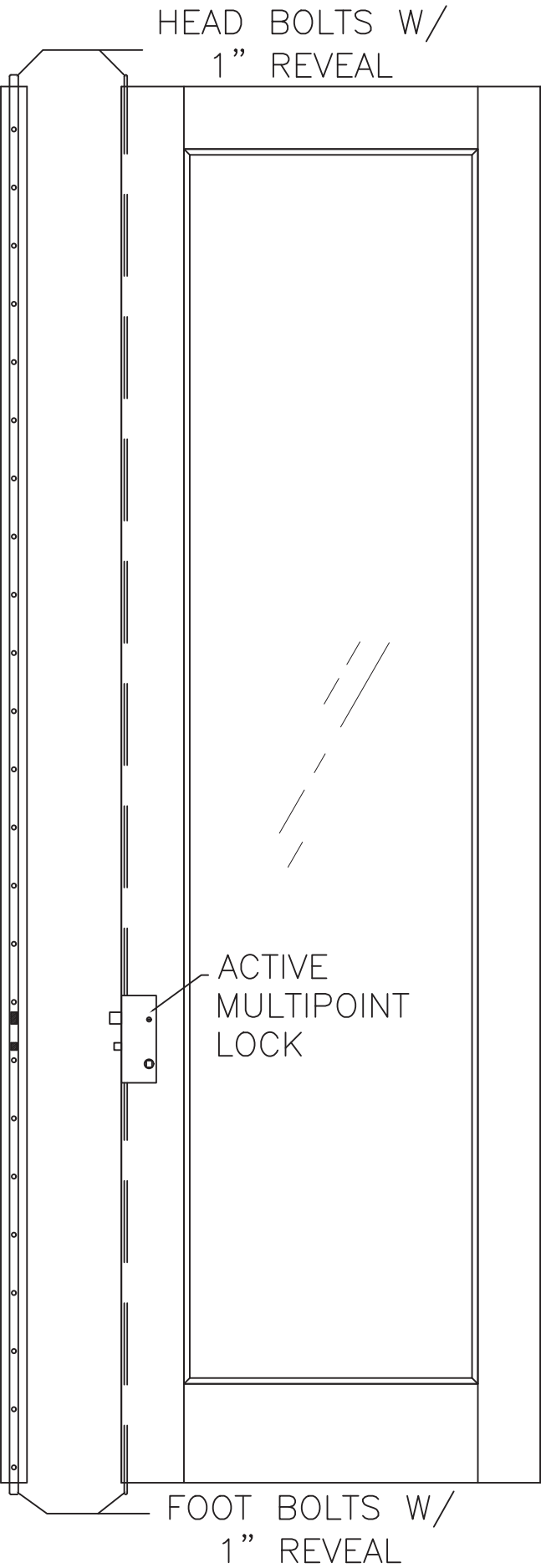
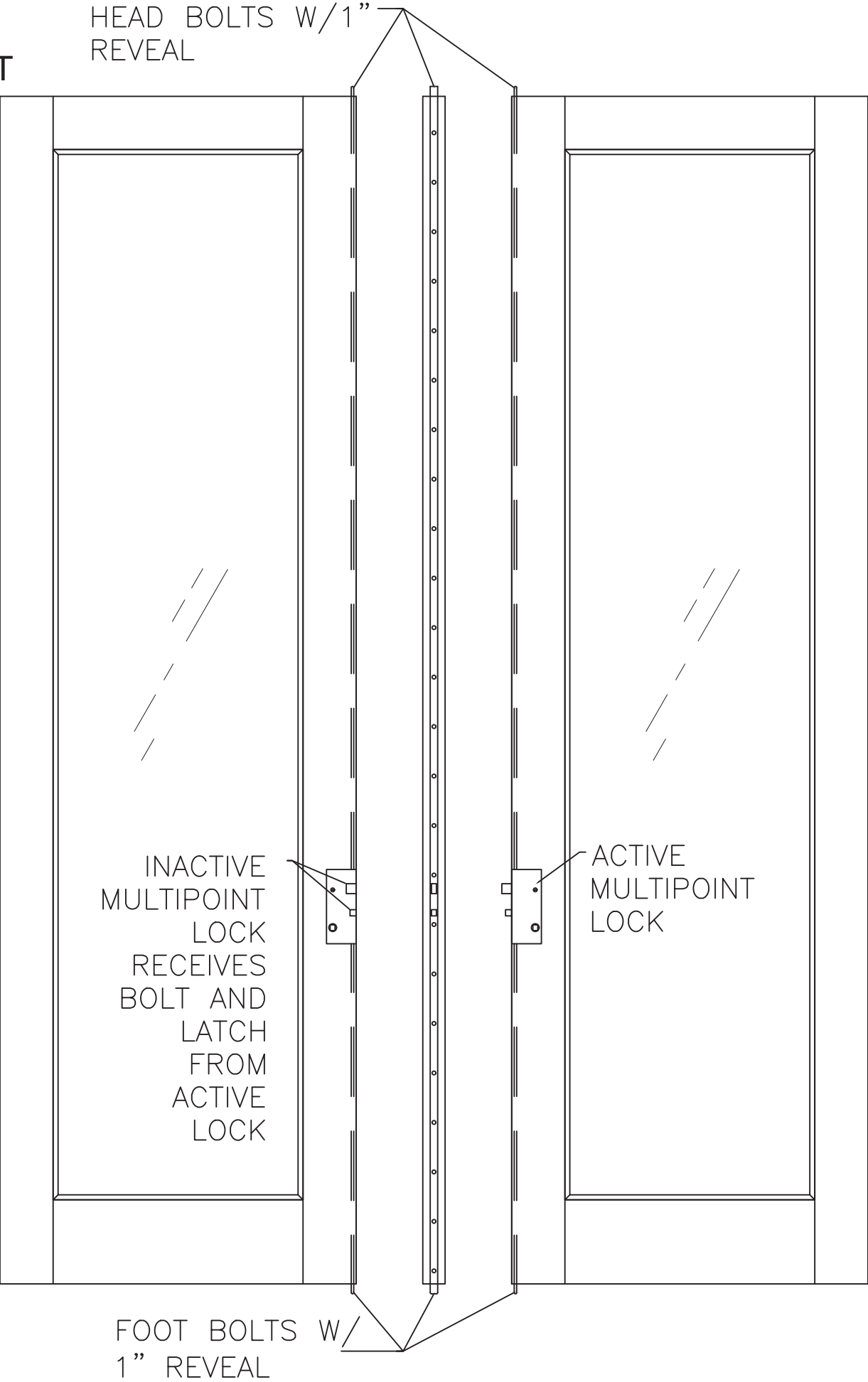
PROJECT #ACE-2025-135			
		RJA	BY
	7/1/26		DATE
	UPDATED TO 9TH EDITION (2026) FBC		
	UPDATED TO 8th EDITION (2023) FBC		
	DESCRIPTION	REV	

The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617			
TITLE: Complete Collection, Single and Double Doors, Inswing SECTIONS - HORIZONTAL - CONCRETE/MASONRY INSTALLATION			
DRAWN BY: RJA	DATE: 10/10/2020	DRAWING NO: DSA0006	SHEET: 14 OF 19
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM	SCALE: N.T.S.	REV: B	

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Florida P.E. No. 49752



DETAILS
MULTIPOINT LOCK LAYOUT
(SEE SHEET 16 FOR
LOCK DETAIL)

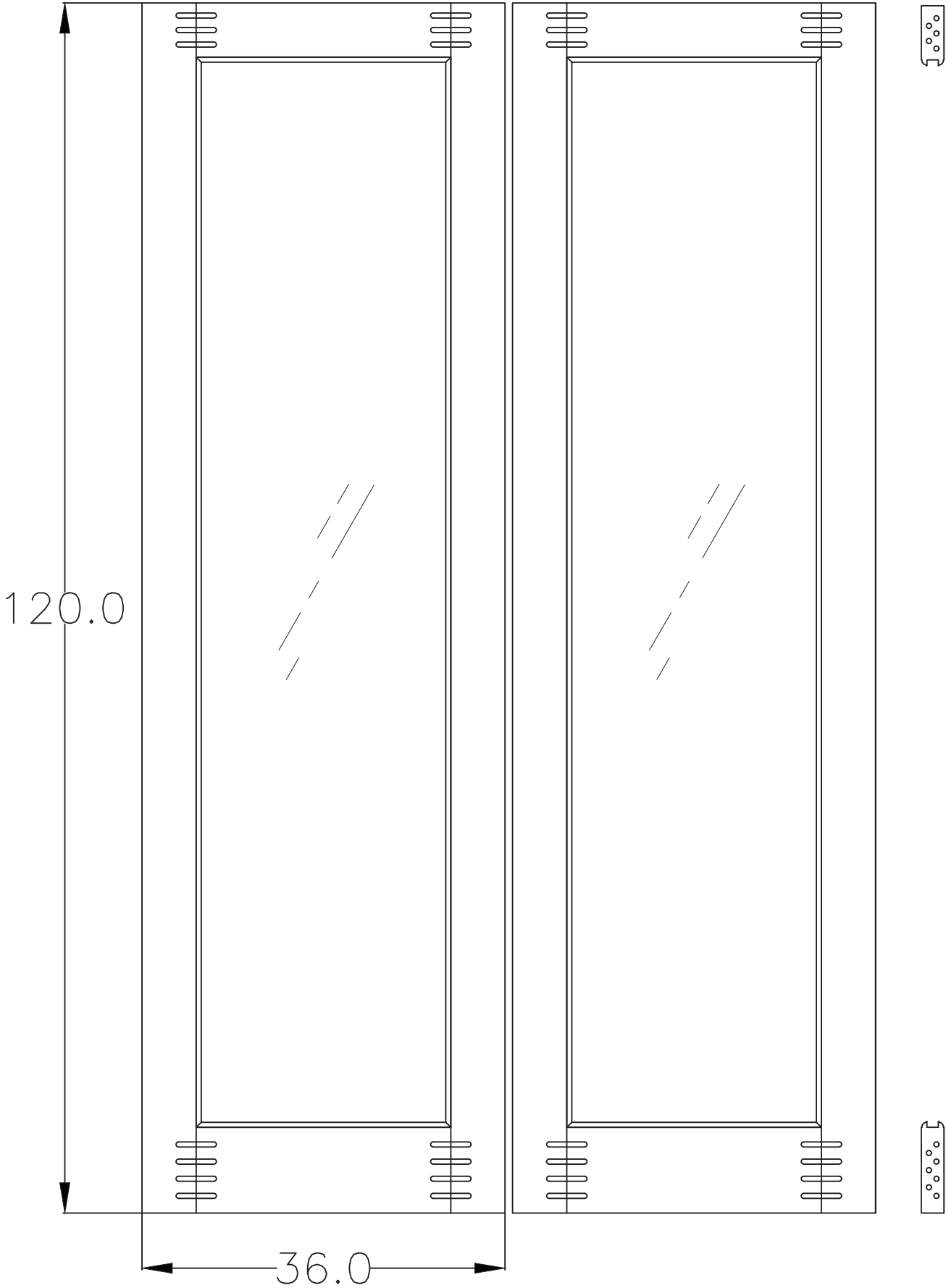


PROJECT #ACE-2025-135				RJA		BY
				7/1/26		
The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617		TITILE: Complete Collection, Single and Double Doors, Inswing MULTIPOINT LOCK LAYOUT		DATE: 10/10/2020	DESCRIPTION	DATE
		AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM		DRAWING NO: DSA0006	REV	
		DRAWN BY: RJA	SCALE: N.T.S.	REV: B	SHEET: 15 OF 19	

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

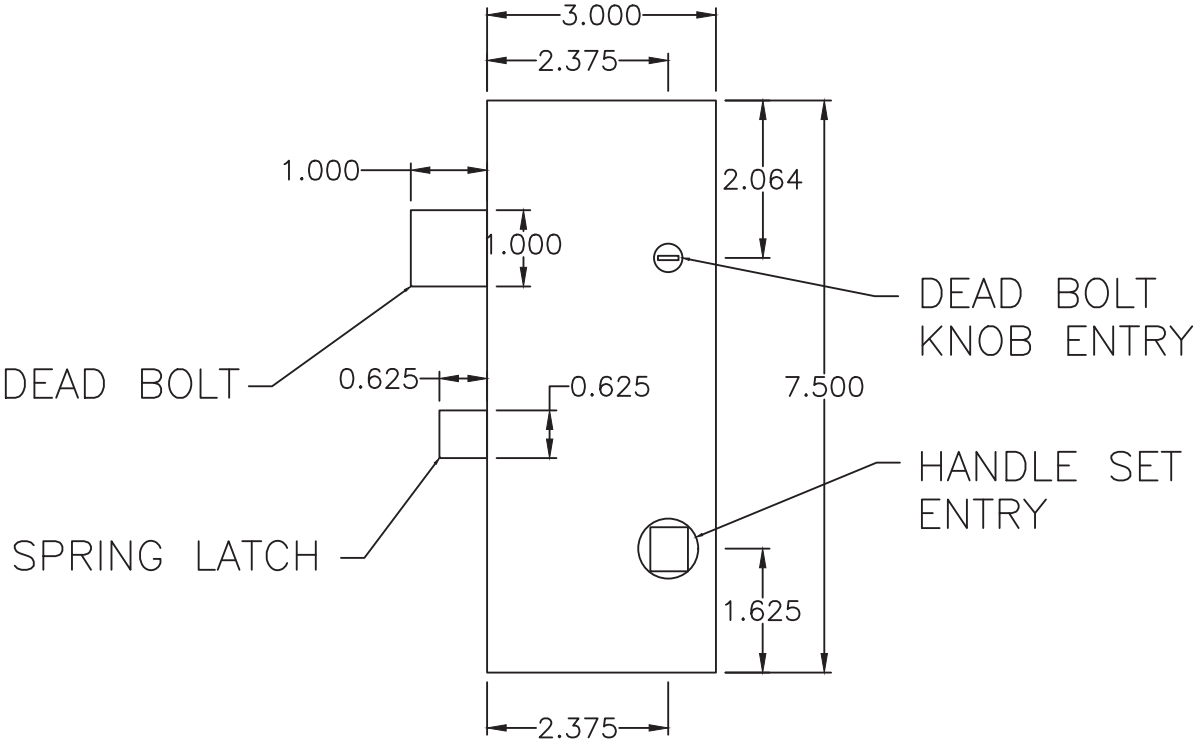
DETAIL

PANEL CONSTRUCTION - DOWEL LOCATION



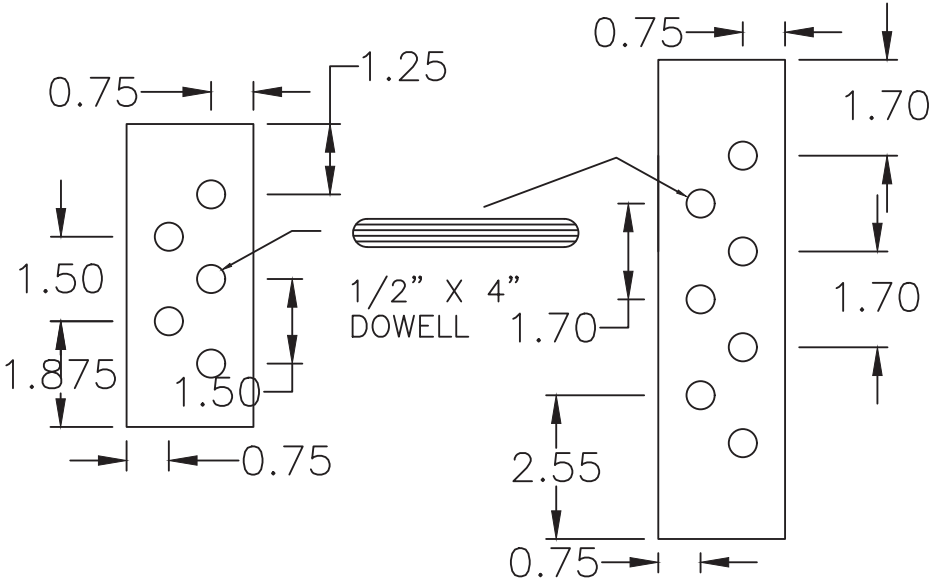
DETAIL

MULTIPOINT LOCK



DETAIL

PANEL CONSTRUCTION - DOWELS



The Door Store of America, Inc.

10681 World Trade Blvd

Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing

PANEL CONSTRUCTION - MULTIPOINT LOCK DETAIL

AMORUSO CONSULTING ENG., LLC

FBPE REGISTRATION NO. 38327

226 N NOVA RD, NO. 142

ORMOND BEACH, FL 32174

RJAENGPE@GMAIL.COM

DRAWN BY:

RJA

SCALE:

N.T.S.

REV:

DATE:

10/10/2020

DRAWING NO:

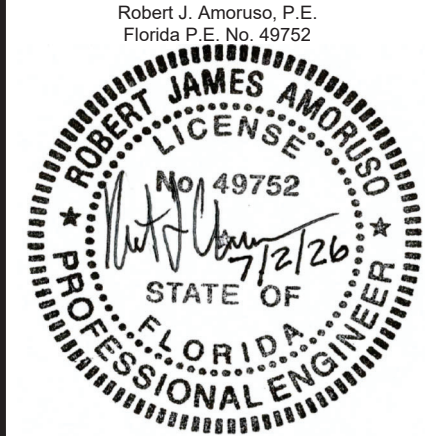
DSA0006

SHEET:

16 OF 19

PROJECT #ACE-2025-135

REV	DESCRIPTION	DATE	BY
B	UPDATED TO 9TH EDITION (2026) FBC	7/1/26	RJA
A	UPDATED TO 8th EDITION (2023) FBC	7/10/23	RJA



MAXIMUM FRAME, DOOR PANEL AND D.L.O. SIZES SHOWN ON SHEET 2 MUST BE MET.



The image displays 15 technical line drawings of various door and window profiles, arranged in a single row. Each drawing illustrates a different configuration of glass panes, frames, and hardware. The profiles are shown in cross-section, highlighting the internal structure and the placement of glass units. Some drawings include small arrows indicating the direction of movement or the location of specific components. The profiles vary in height, width, and the complexity of their glass arrangements, ranging from simple single-pane doors to more intricate multi-pane windows and specialized glass doors.

Keowee

Ocone

The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617			
TITLE: Complete Collection, Single and Double Doors, Inswing			
APPROVED CONFIGURATIONS			
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM	DRAWN BY:	RJA	DATE: 10/10/2020
	SCALE:	N.T.S.	DRAWING NO: DSA0006
	REV:	B	SHEET: 17 OF 19

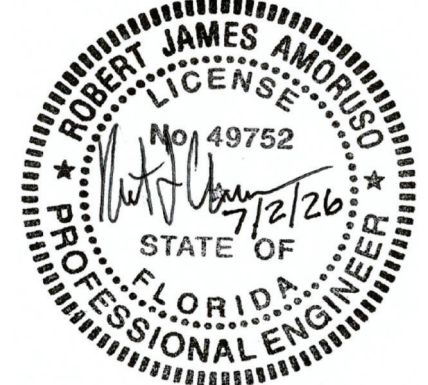
The Door Store of America, Inc.
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing
APPROVED CONFIGURATIONS

AMORUSO CONSULTING ENG., LLC
FBPE REGISTRATION NO. 38327
226 N NOVA RD, NO. 142
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM

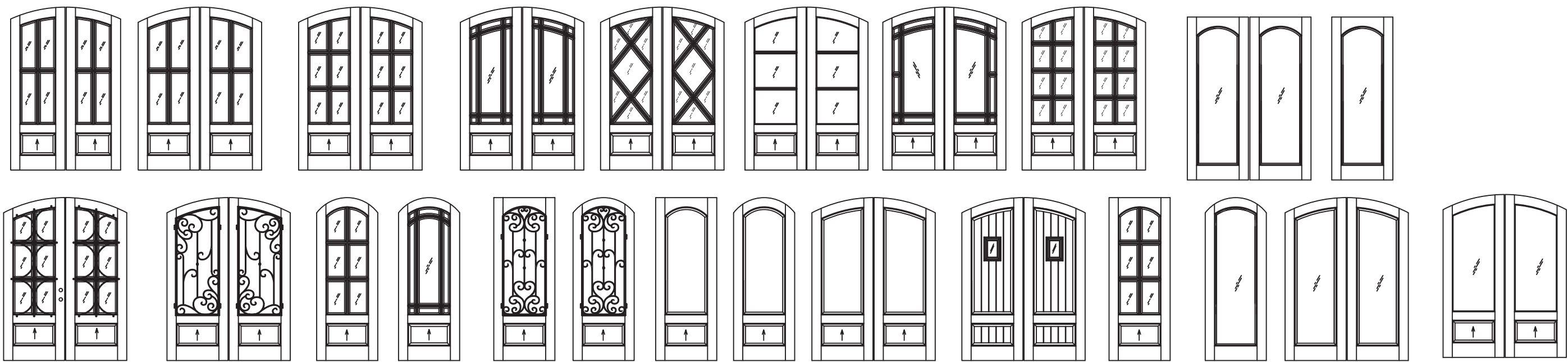
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DRAWING NO:	DSA0006
SHEET:	17 OF 19

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

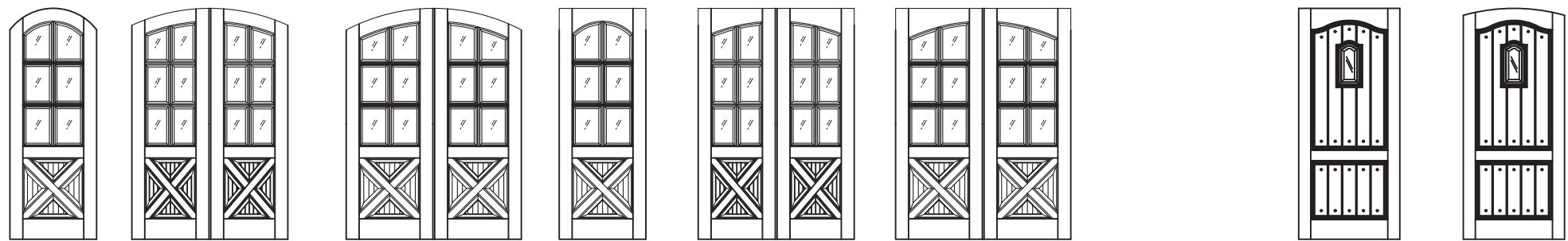


APPROVED CONFIGURATIONS

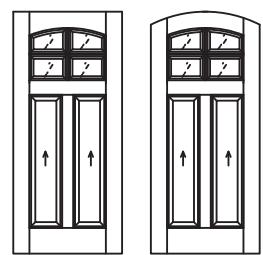
MAXIMUM FRAME, DOOR PANEL AND D.L.O. SIZES SHOWN ON SHEET 2 MUST BE MET.



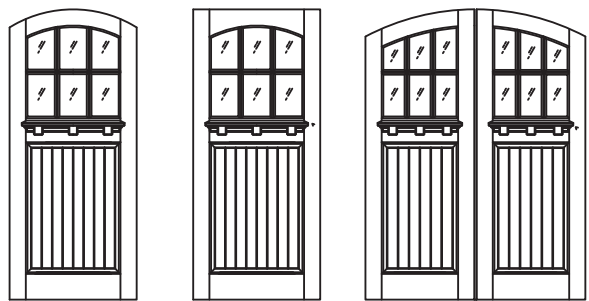
Lucie



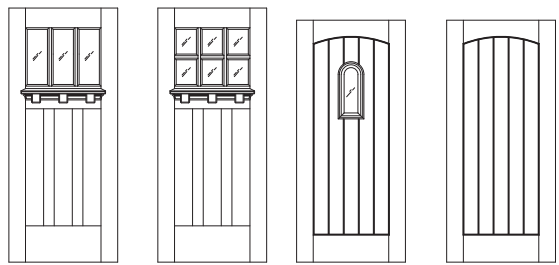
Havasu



Lakewood



Linville



Tuscany

Kenmure

The Door Store of America, Inc.

10681 World Trade Blvd

Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing

APPROVED CONFIGURATIONS

AMORUSO CONSULTING ENG., LLC

FBPE REGISTRATION NO. 38327

226 N NOVA RD, NO. 142

ORMOND BEACH, FL 32174

RIAENGPE@GMAIL.COM

DRAWN BY: RJA

SCALE: N.T.S.

REV: B

DATE: 10/10/2020

DRAWING NO: DSA0006

SHEET: 18 OF 19

PROJECT #ACE-2025-135

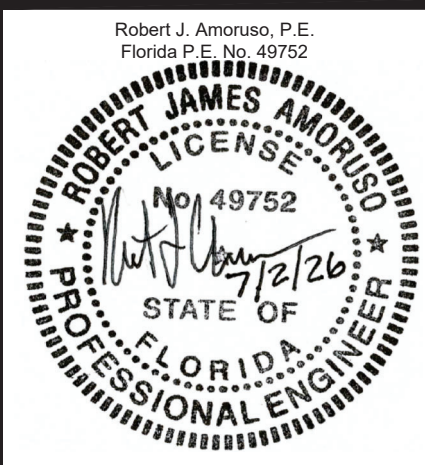
UPDATED TO 9TH EDITION (2026) FBC

UPDATED TO 8th EDITION (2023) FBC

DESCRIPTION

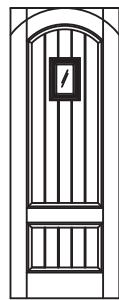
DATE

BY

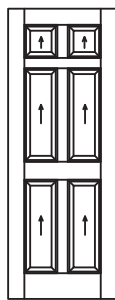
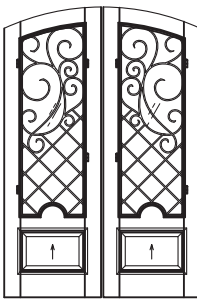
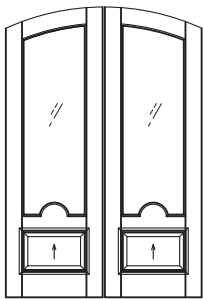
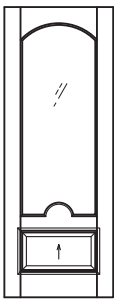
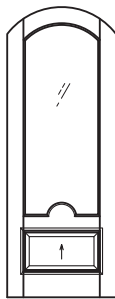


APPROVED CONFIGURATIONS

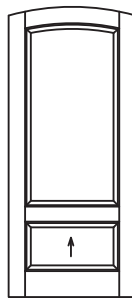
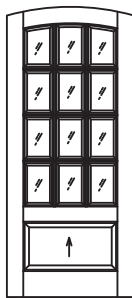
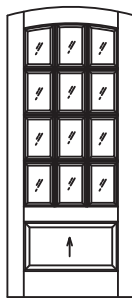
MAXIMUM FRAME, DOOR PANEL AND D.L.O. SIZES SHOWN ON SHEET 2 MUST BE MET.



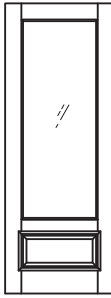
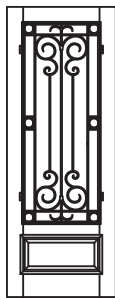
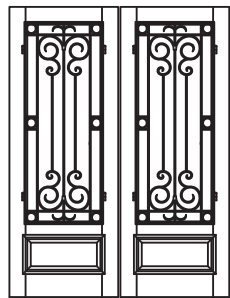
Briarcliff



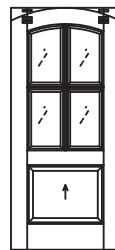
Colonial



Trinity



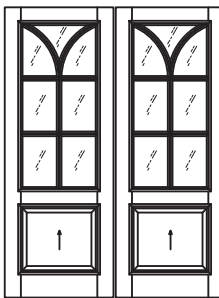
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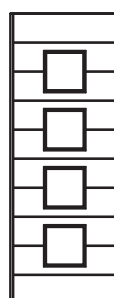
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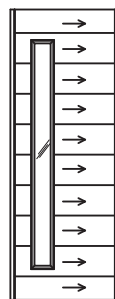
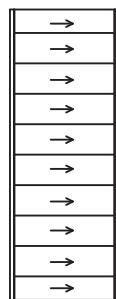
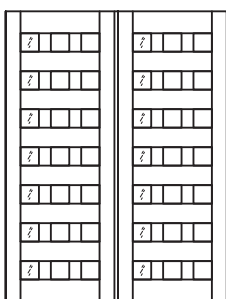
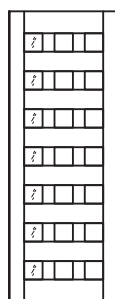
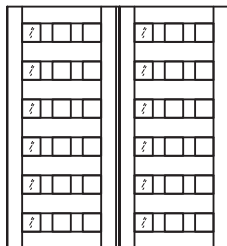
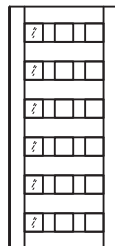
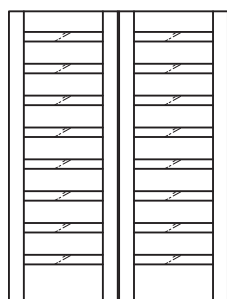
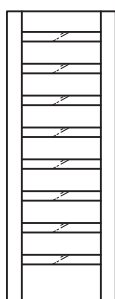
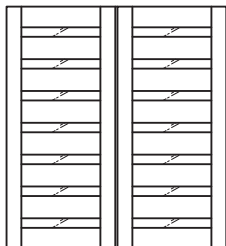
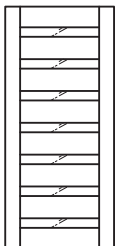
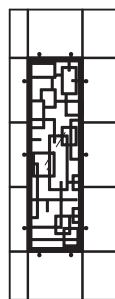
Madison



Seville



Urban



Milan

The Door Store of America, Inc.

10681 World Trade Blvd

Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing

APPROVED CONFIGURATIONS

AMORUSO CONSULTING ENG., LLC

FBPE REGISTRATION NO. 38327

226 N NOVA RD, NO. 142

ORMOND BEACH, FL 32174

RJAENGPE@GMAIL.COM

DRAWN BY: RJA

SCALE: N.T.S.

REV: B

DATE: 10/10/2020

DRAWING NO: DSA0006

SHEET: 19 OF 19

PROJECT #ACE-2025-135

UPDATED TO 9TH EDITION (2026) FBC

UPDATED TO 8th EDITION (2023) FBC

DESCRIPTION

B

A

REV

7/1/26

7/1/23

DATE

RJA

RJA

BY

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

