

The Door Store of America, Inc.

Complete Collection, Single and Double Doors, Outswing, Fully Opaque

GENERAL NOTES:

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL REQUIREMENTS INCLUDING 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 ADDENDUM DATED 07/20/22 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, WALNUT, WHITE OAK AND ACCOYA. MINIMUM SPECIFIC GRAVITY (SG) = 0.55 FOR BASIC AND 0.68 FOR 12% MC.

6. GLAZING: 1" OVERALL THICKNESS: 5/32" TEMPERED, AIR SPACE (1/2" TPS SPACER BY PT ABEBERSA PRATAMA), 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.

6.1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1.

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

8. DESIGNATION "X" STANDS FOR OPERABLE PANEL.

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

9.1. MULTI-POINT LOCK AND HANDLES BY:

9.1.1. DOUBLE (XX) DOOR: ASHLAND MULTIPOINT HARDWARE; MODEL V-5100-560.

9.1.2. SINGLE (X) FOOR: GU MULTIPOINT HARDWARE; MODEL 6-35565-02-R-8B.

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

9.3. THRESHOLD: ENDURA ZOB56DBFN (BRONZE 5-5/8" BUMPER OUTSWING SILL) OR ZOB76DBFN (BRONZE 7-5/8" BUMPER OUTSWING SILL).

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.

INSTALLATION ANCHORAGE DETAILS

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, 3A, 3B & 3C.

1.2. CONCRETE AND MASONRY SUBSTRATES AS SHOWN ON SHEET 4, 4A, 4B & 4C.

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, SEE NOTE 3.1)

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 & 12A FOR HORIZONTAL SECTION VIEWS OF JAMBS.

3.2. CONCRETE OR MASONRY AT HEAD, SILLS OR JAMBS (OPTIONAL 1X WOOD BUCK ALLOWED, SEE NOTE 3.1)

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

3.1.2. SEE DETAILS ON SHEET 14 & 14A 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 ELCO ULTRACON 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 3.484" SPACING BETWEEN ANCHORS IS ACCEPTABLE.

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).

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PERFORMANCE RATING			
MAXIMUM UNIT DIMENSIONS	DESIGN PRESSURE RATING (PSF)	WATER PENETRATION RATING	IMPACT RATING
76" X 123-1/16" XX OUTSWING - RECTANGULAR 76-5/8" X 123-5/16" XX OUTSWING - ARCH TOP 39-3/4" X 123-1/2" X OUTSWING - RECTANGULAR 39-3/4" X 123-1/2" X OUTSWING - ARCH TOP	±70.0 *	SEE NOTE 1 & 2 *	HVHZ LARGE MISSILE IMPACT
	+19.5 / -70	SEE NOTE 1 & 3	
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 CURRENT EDITION OF THE FLORIDA BUILDING AND RESIDENTIAL CODES HAS BEEN EMPLOYED. NOTE 3: WHERE DP REQUIREMENTS DO NOT EXCEED +19.5/-70 PSF, THE PRODUCT CAN BE USED WITHOUT OVERHANG.			

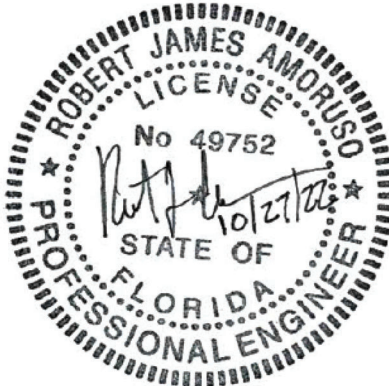
PROJECT #422-0708

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

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque
NOTES - GENERAL & INSTALLATION

PREPARED BY: 	DRAWN BY: RJA		DATE: 10/24/2022			
	SCALE: N.T.S.		DRAWING NO: DSA0011			
	REV: A		SHEET: 1 OF 17	REVISED FOR MD COMMENTS A	REVISED FOR MD COMMENTS A	REVISED FOR MD COMMENTS A
PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 25935		Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com		REV	DATE	BY

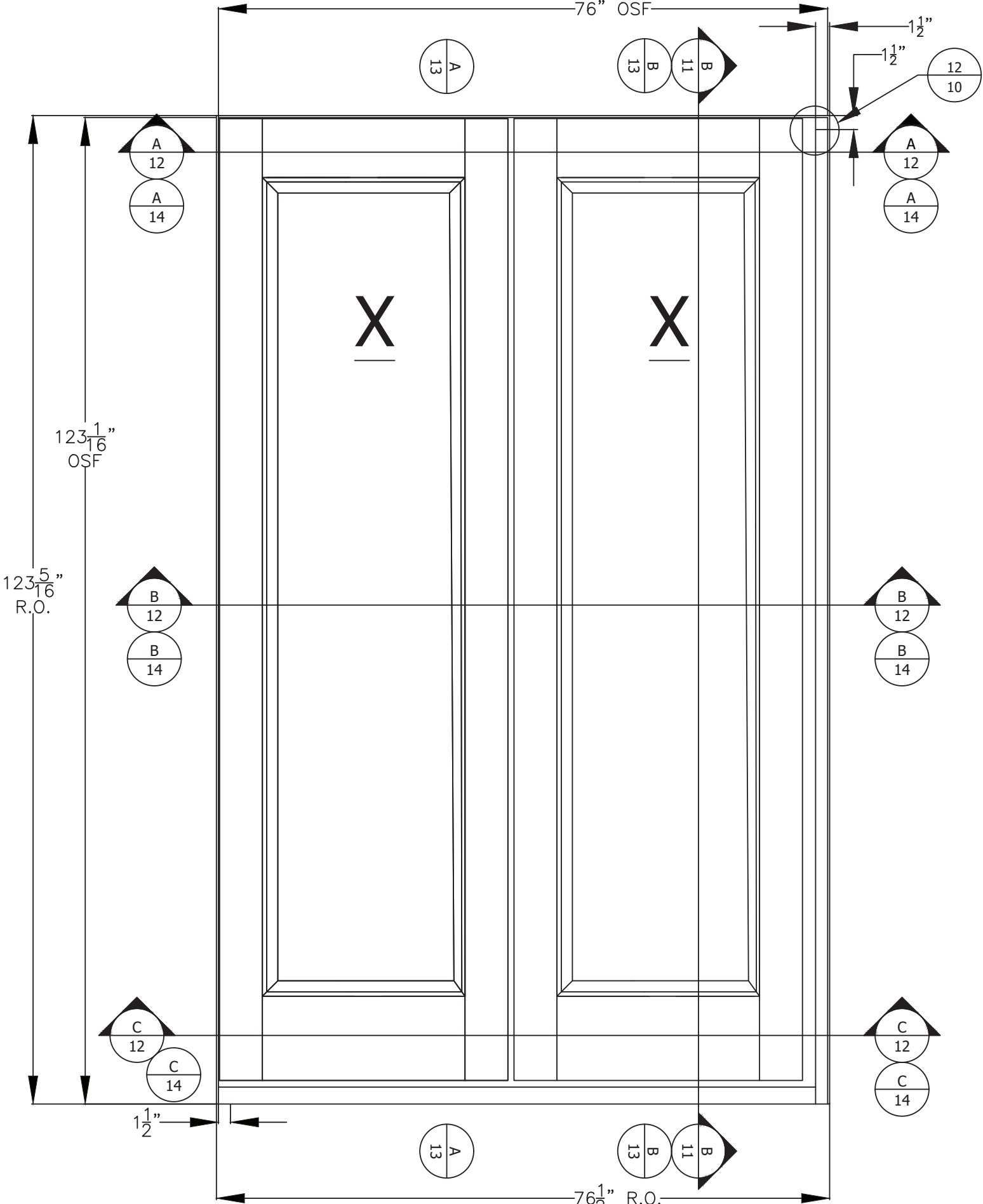
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



XX RECTANGULAR OPAQUE ELEVATION

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. SINGLE PANEL OPAQUE INFILL SHOWN.
5. SEE SHEET 17 FOR ADDITIONAL APPROVED CONFIGURATIONS.
6. SEE SHEET 2D FOR PANEL RAIL AND STILE DIMENSIONING.



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

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque XX RECTANGULAR ELEVATION	
PREPARED BY: _____	DRAWN BY: _____
DATE: _____	

REPAIRED BY:	DRAWN BY:	DATE:
	RJA	10/24/2022

SCALE: N T S

DRAWING NO: DSA00011

IC PRODUCTIONS DESIGN GROUP, LLC
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REV:	A	SHEET:	2 OF 17
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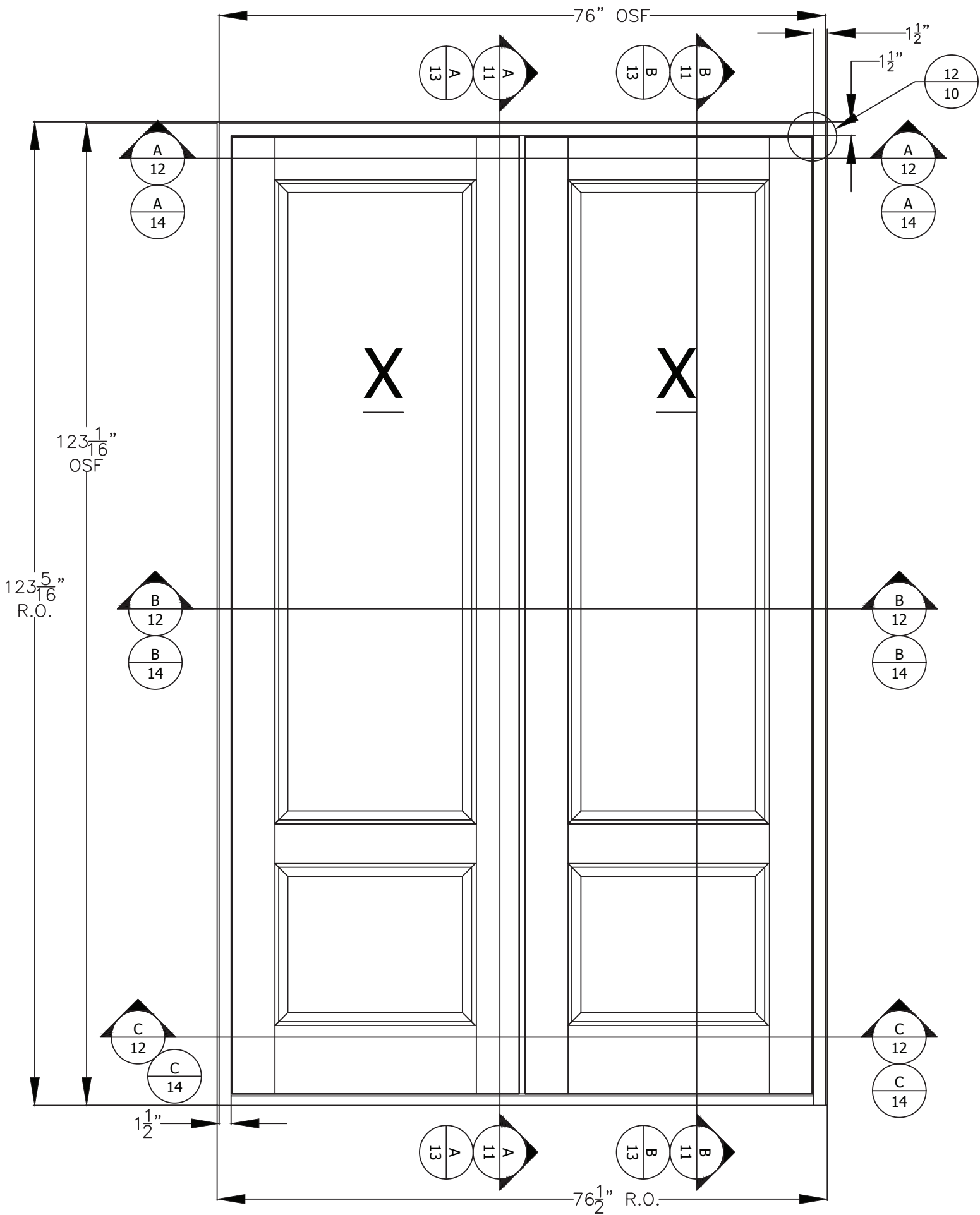
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



XX RECTANGULAR
OPAQUE WITH PARTIAL
RAISED PANELS
ELEVATION
EXTERIOR

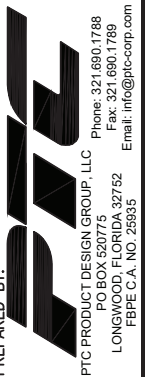
PRODUCT LIMITATIONS:

- 1. MAXIMUM OVERALL (O.A.) FRAME SIZE
 - 1.1. 76-1/8" X 122-7/8"
- 2. MAXIMUM PANEL SIZE
 - 2.1. 36" X 120"
- 3. MINIMUM PANEL THICKNESS
 - 3.1. 2-1/4" (NOMINAL)
- 4. PARTIAL OPAQUE RAISED PANEL INFILLS SHOWN.
- 5. SEE SHEET 17 FOR ADDITIONAL APPROVED CONFIGURATIONS.
- 6. SEE SHEET 2D FOR PANEL RAIL AND STILE DIMENSIONING.



PROJECT #422-0708				RJA	BY
				9/2/2022	DATE
				REVISED FOR MD COMMENTS	DESCRIPTION
			A	REV	

The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617		DATE: 10/24/2022		DRAWING NO: DSA0011	
		DRAWN BY: RJA		SCALE: N.T.S.	
		PREPARED BY: RJA		REV: A	
TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque XX PARTIALLY GLAZED RECTANGULAR ELEVATION		SHEET: 2A OF 17			

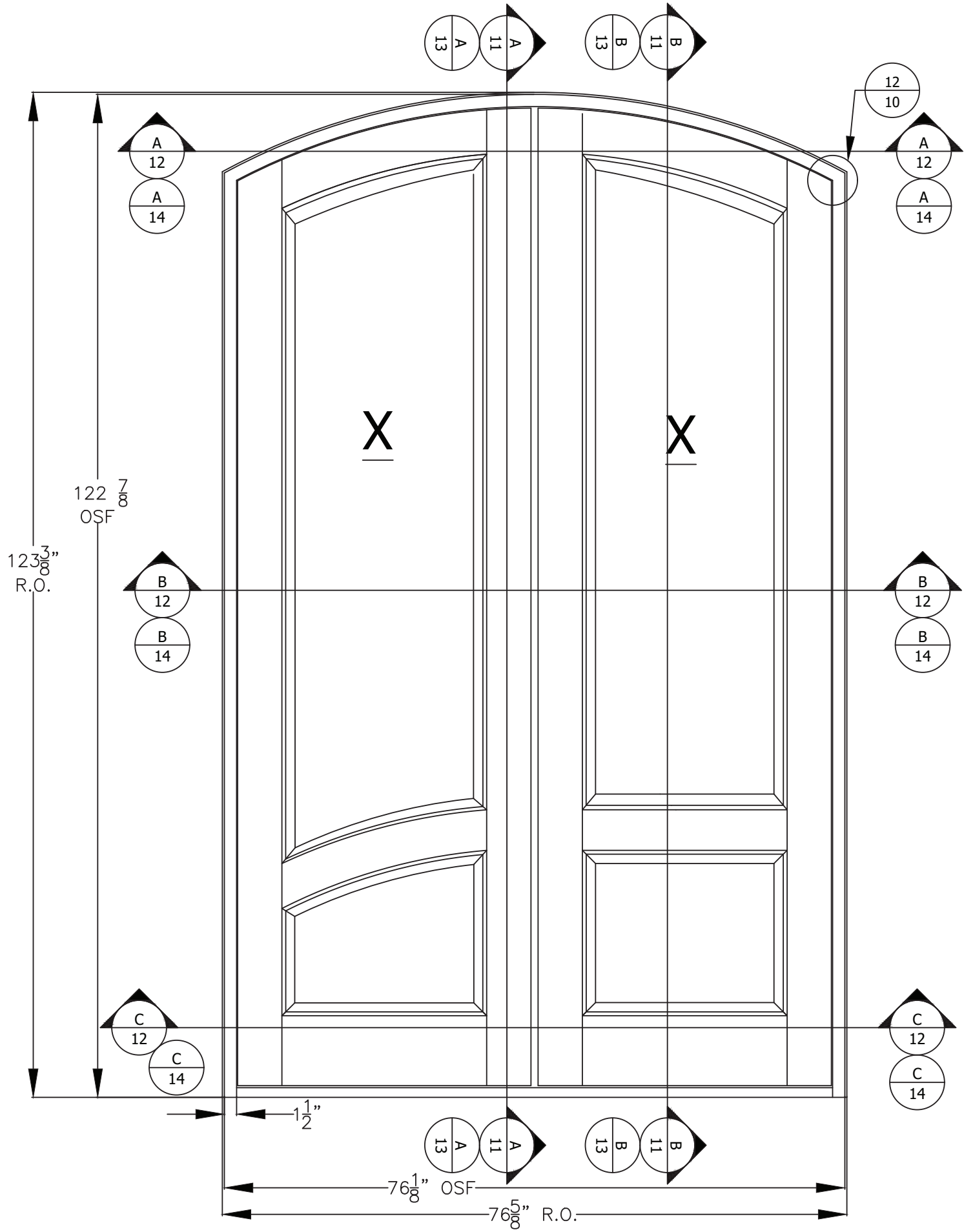


Robert J. Amoruso, P.E.
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XX ARCH TOP
OPAQUE WITH
PARTIAL RAISED
PANELS
ELEVATION
EXTERIOR

PRODUCT LIMITATIONS:

- 1. MAXIMUM OVERALL (O.A.) FRAME SIZE
 - 1.1. 39-1/4" X 122-7/8"
- 2. MAXIMUM PANEL SIZE
 - 2.1. 36" X 120"
- 3. MINIMUM PANEL THICKNESS
 - 3.1. 2-1/4" (NOMINAL)
- 4. PARTIAL OPAQUE RAISED PANEL INFILLS SHOWN.
- 5. SEE SHEET 17 FOR ADDITIONAL APPROVED CONFIGURATIONS.
- 6. SEE SHEET 2D FOR PANEL RAIL AND STILE DIMENSIONING.



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

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque
XX PARTIALLY GLAZED ARCH TOP ELEVATION

PREPARED BY:

DRAWN BY: RJA

SCALE: N.T.S.

REV: A

DATE: 10/24/2022

DRAWING NO: DSA0011

SHEET: 2B OF 17

PTC PRODUCT DESIGN GROUP, LLC Phone: 321.690.1788

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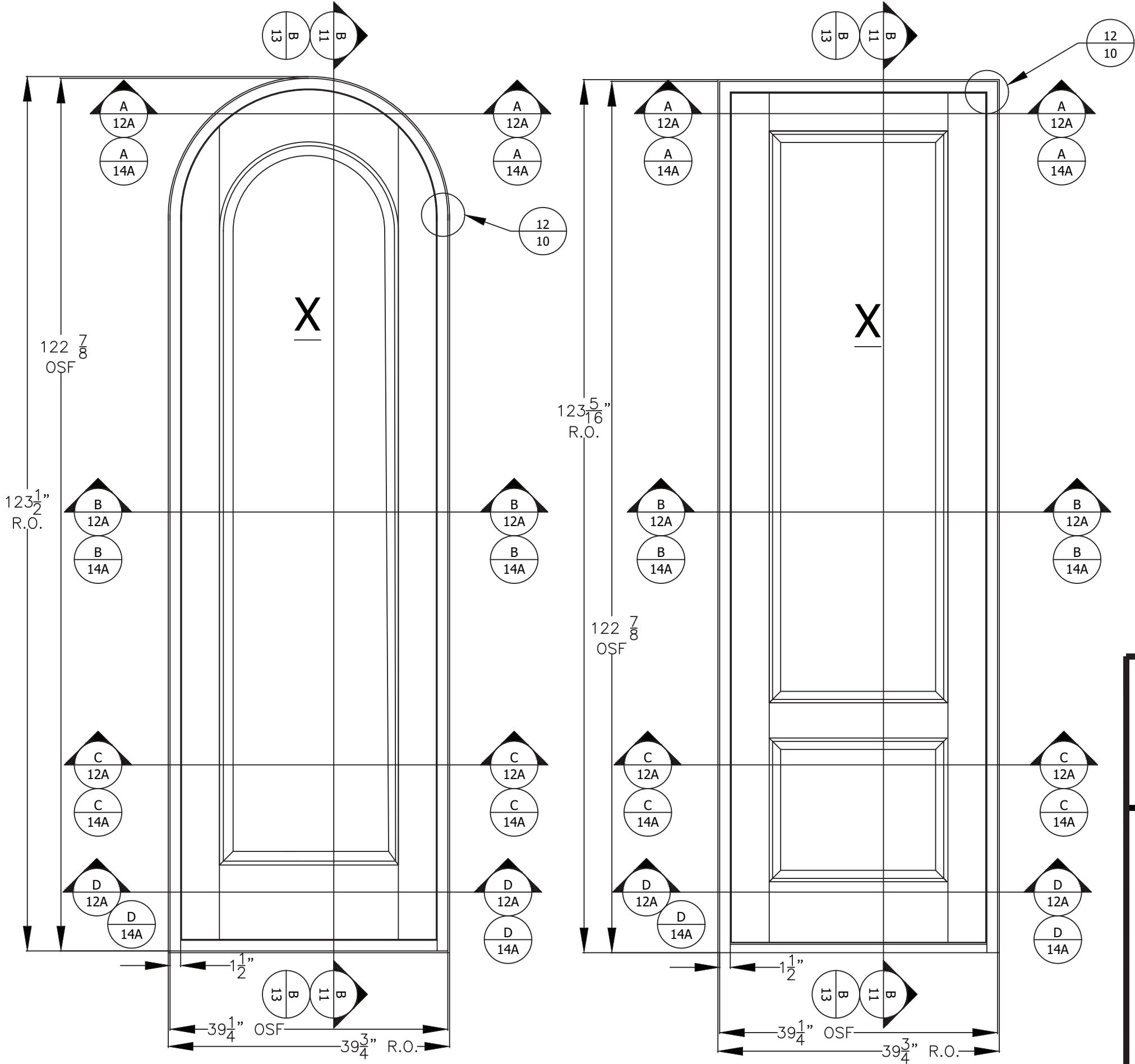
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



X OPAQUE WITH
PARTIAL RAISED
PANELS
ELEVATION
EXTERIOR

PRODUCT LIMITATIONS:

- 1. MAXIMUM OVERALL (O.A.) FRAME SIZE
 - 1.1. 39-1/4" X 122-7/8"
- 2. MAXIMUM PANEL SIZE
 - 2.1. 36" X 120"
- 3. MINIMUM PANEL THICKNESS
 - 3.1. 2-1/4" (NOMINAL)
- 4. PARTIAL OPAQUE RAISED PANEL INFILL SHOWN ON RECTANGULAR AND FULL RAISED PANEL ON RADIUS HEAD.
- 5. SEE SHEET 17 FOR ADDITIONAL APPROVED CONFIGURATIONS.
- 6. SEE SHEET 2D FOR PANEL RAIL AND STILE DIMENSIONING.



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

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque
X PARTIALLY GLAZED RECTANGULAR AND ARCH TOP ELEVATIONS

DATE:	10/24/2022
DRAWING NO:	DSA0011
SCALE:	N.T.S.
REV:	A
SHEET:	2C OF 17

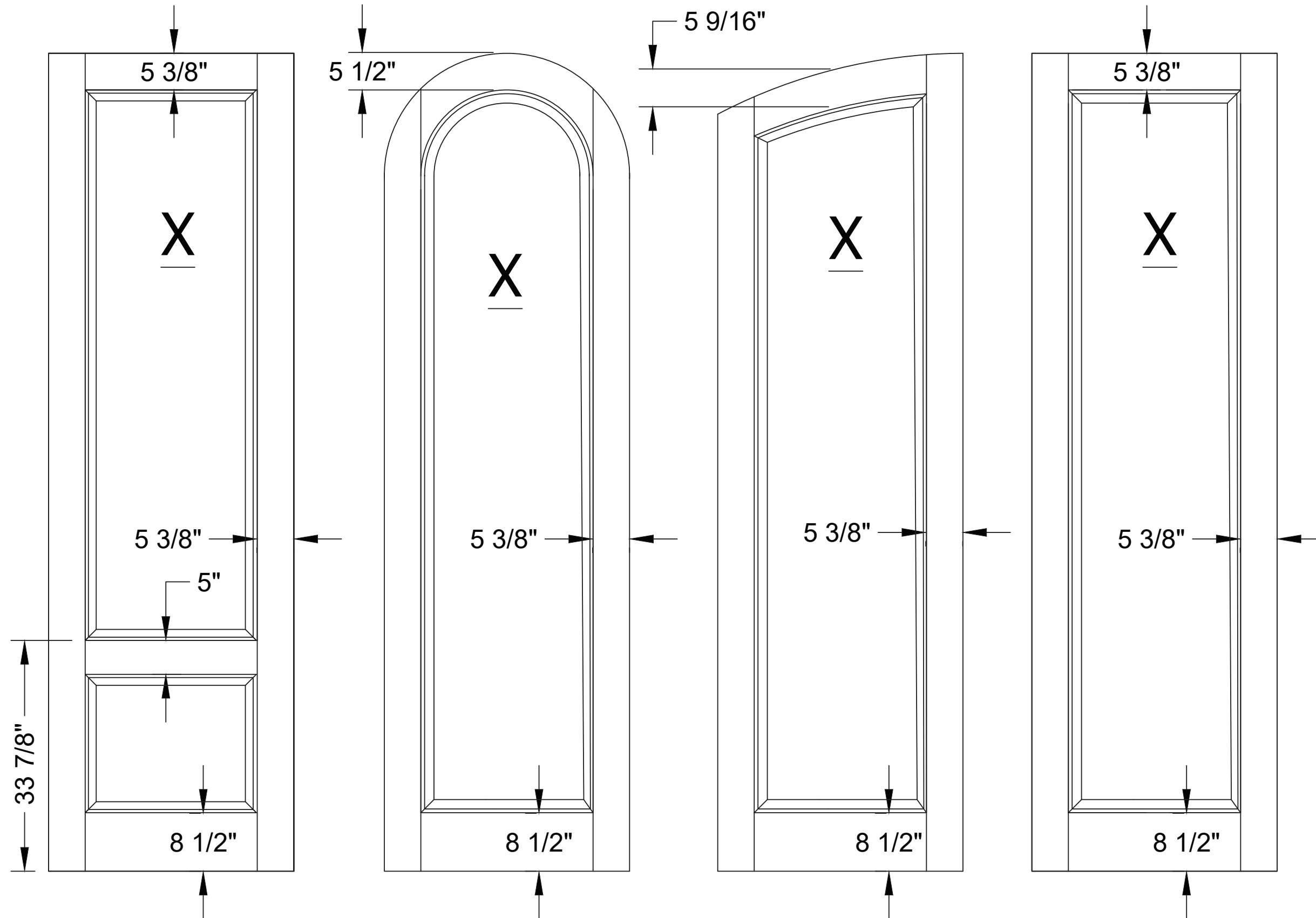
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RAIL AND STILE SIZES

EXTERIOR



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

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque
PANEL RAIL AND STYLE SIZING ELEVATIONS

DRAWN BY: [Redacted] **DATE:** [Redacted]

PREPARED BY: [Redacted]

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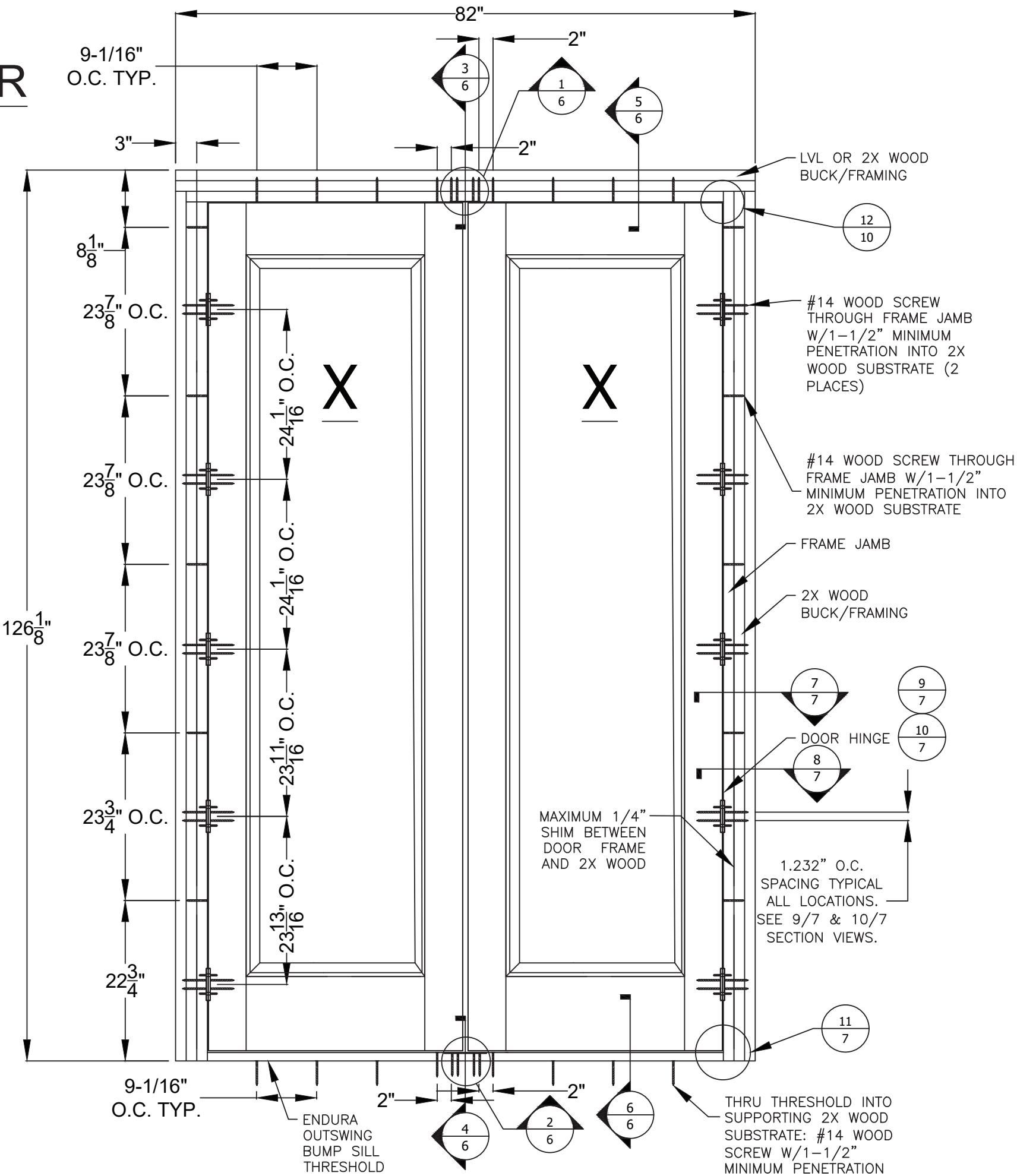


PROJECT #422-0708

A	REVISED FOR MD COMMENTS	9/2/2022	RJA
REV	DESCRIPTION	DATE	BY

XX
RECTANGULAR
ELEVATION

2X WOOD
BUCK/FRAMING
INSTALLATION



PROJECT #422-0708

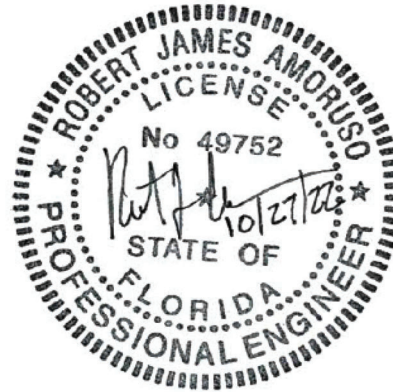
The Door Store of America, Inc.
10681 World Trade Blvd
Raleigh, NC 27617

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

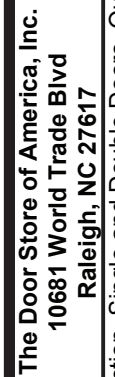
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DRAWING NO:	DSA0011
SCALE:	N.T.S.
REV:	A
SHEET:	3 OF 17

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2X WOOD BUCK/FRAMING INSTALLATION



DATE	DESCRIPTION	AMOUNT	CHECK NO.	DATE
	Complete Collection, Single and Double Doors, Outswing, Opaque ELEVATION - ANCHOR LAYOUT - WOOD			

RELAY®
PC

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
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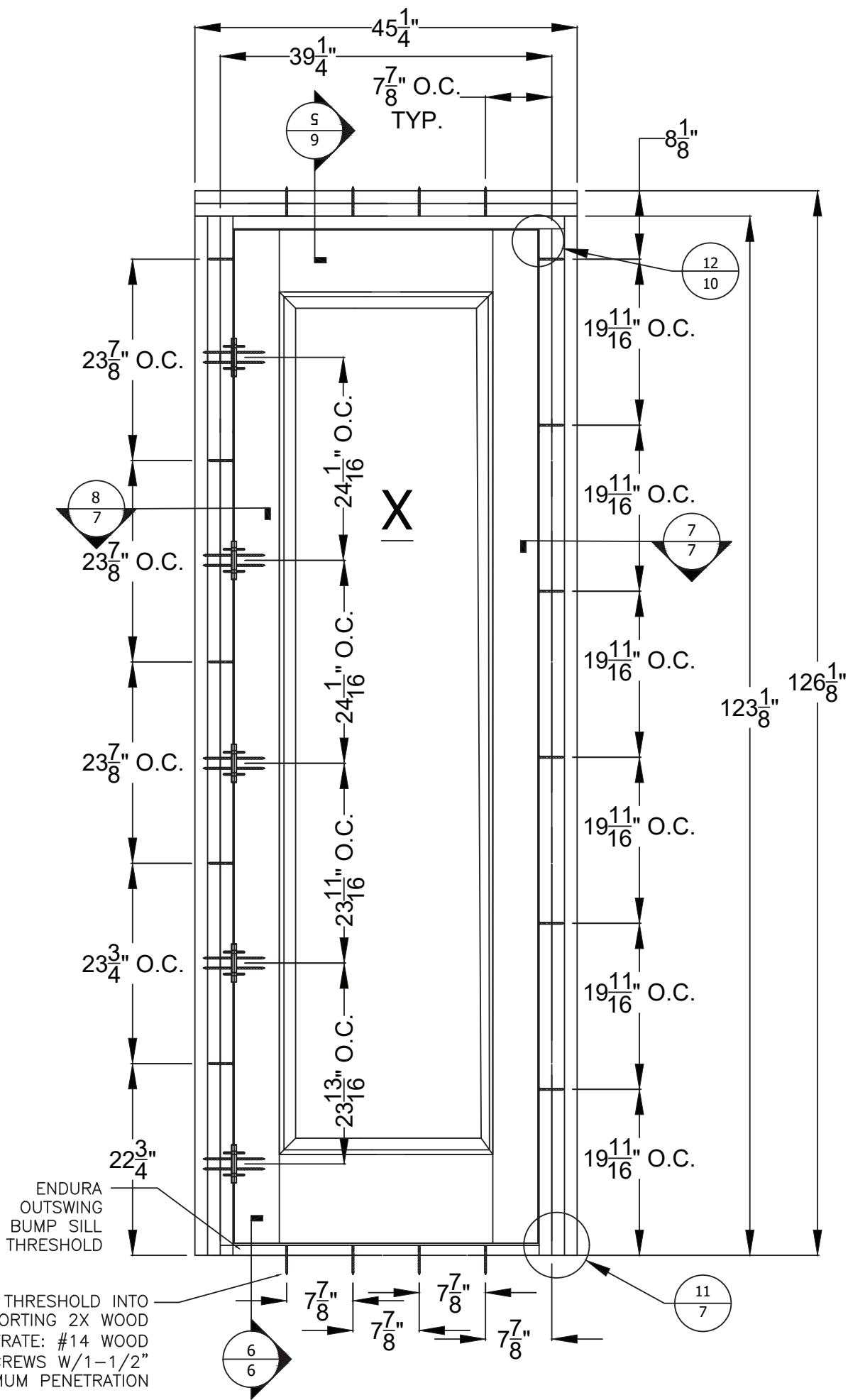
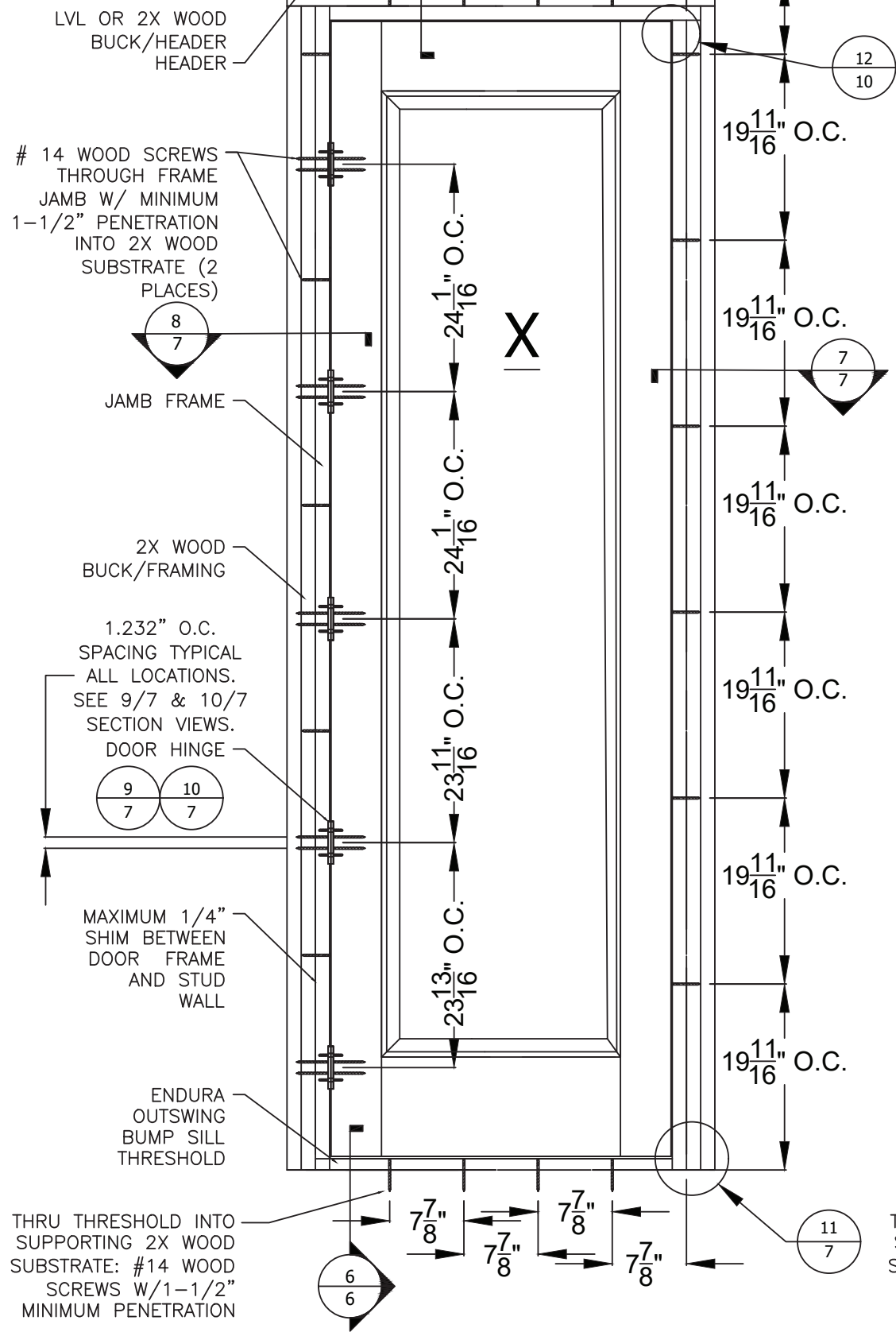
DATE: 10/24/2022
DRAWING NO: DSA0011
SHEET: 3A OF 17

A	REVISED FOR MD COMMENTS	9/2/2022	RJA
REV	DESCRIPTION	DATE	BY

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



X RECTANGULAR
ELEVATION
2X WOOD BUCK/FRAMING
INSTALLATION



PROJECT #422-0708

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

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

PREPARED BY: DRAWN BY: RJA DATE: 10/24/2022

SCALE: N.T.S. DRAWING NO: DSA0011

REV: A SHEET: 3B OF 17

REVISED FOR MD COMMENTS

DESCRIPTION

DATE

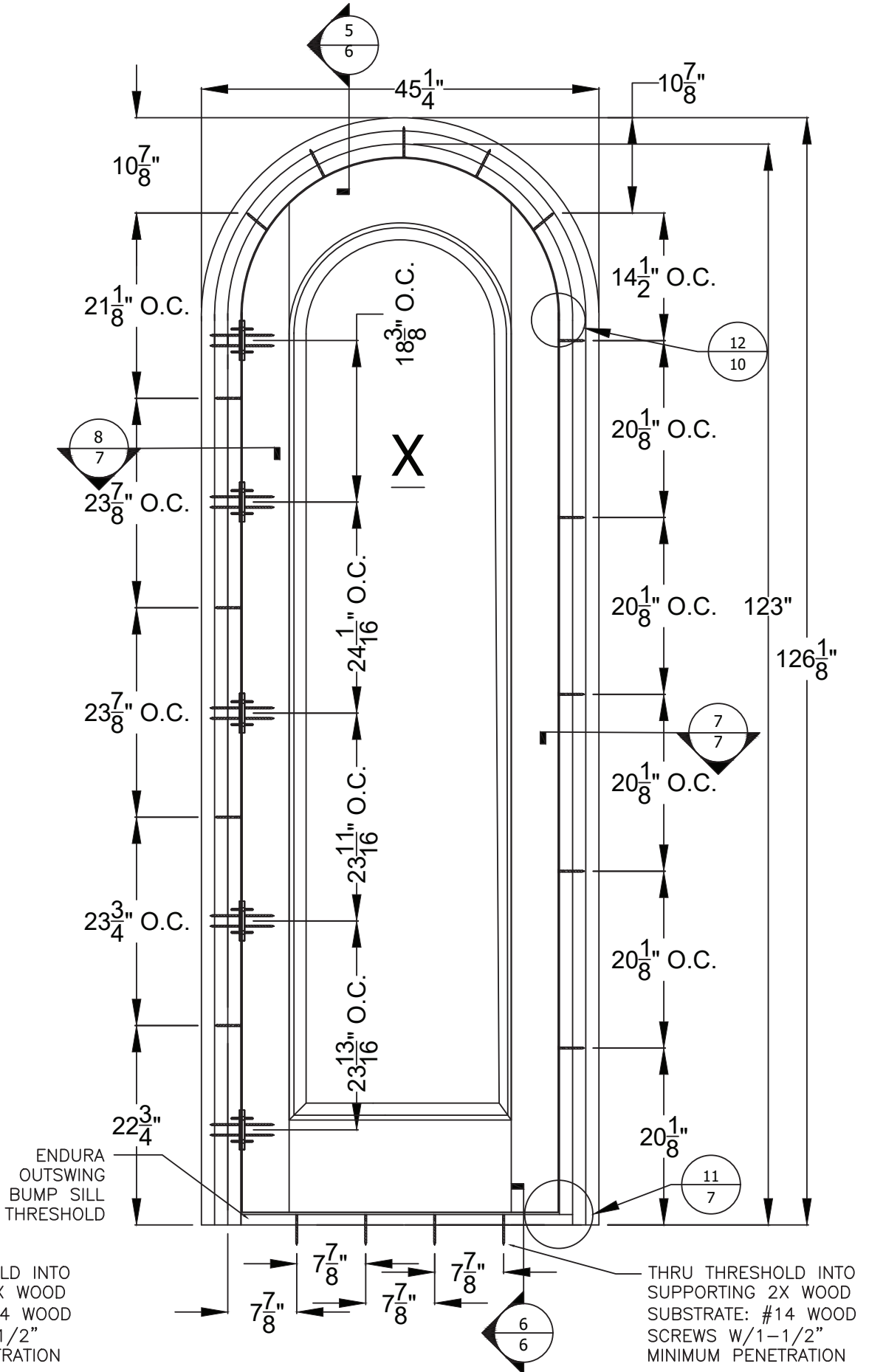
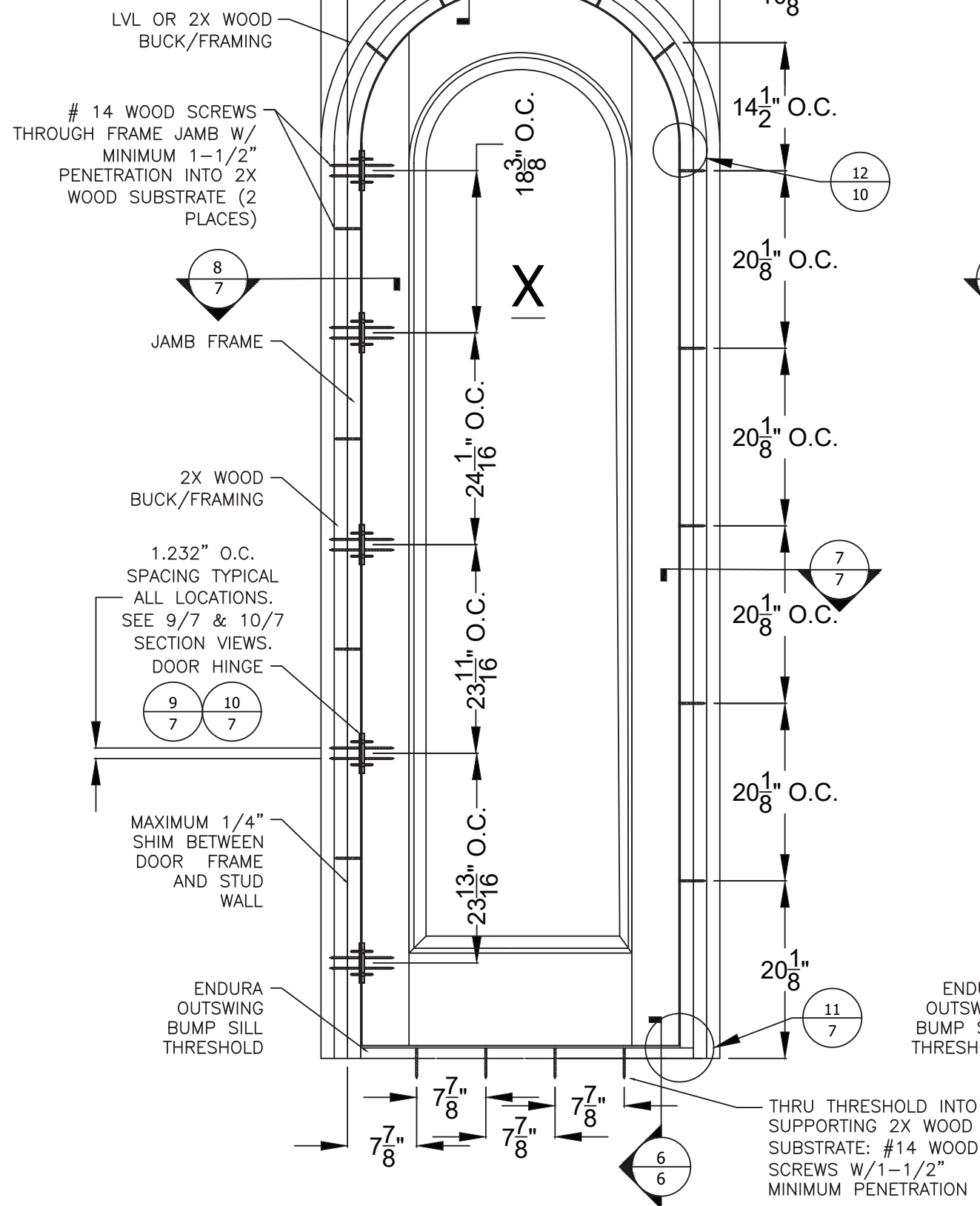
BY

Robert J. Amoruso, P.E.
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X ARCH TOP
ELEVATION

2X WOOD BUCK/FRAMING
INSTALLATION



PROJECT #422-0708

The Door Store of America, Inc.
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Raleigh, NC 27617

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

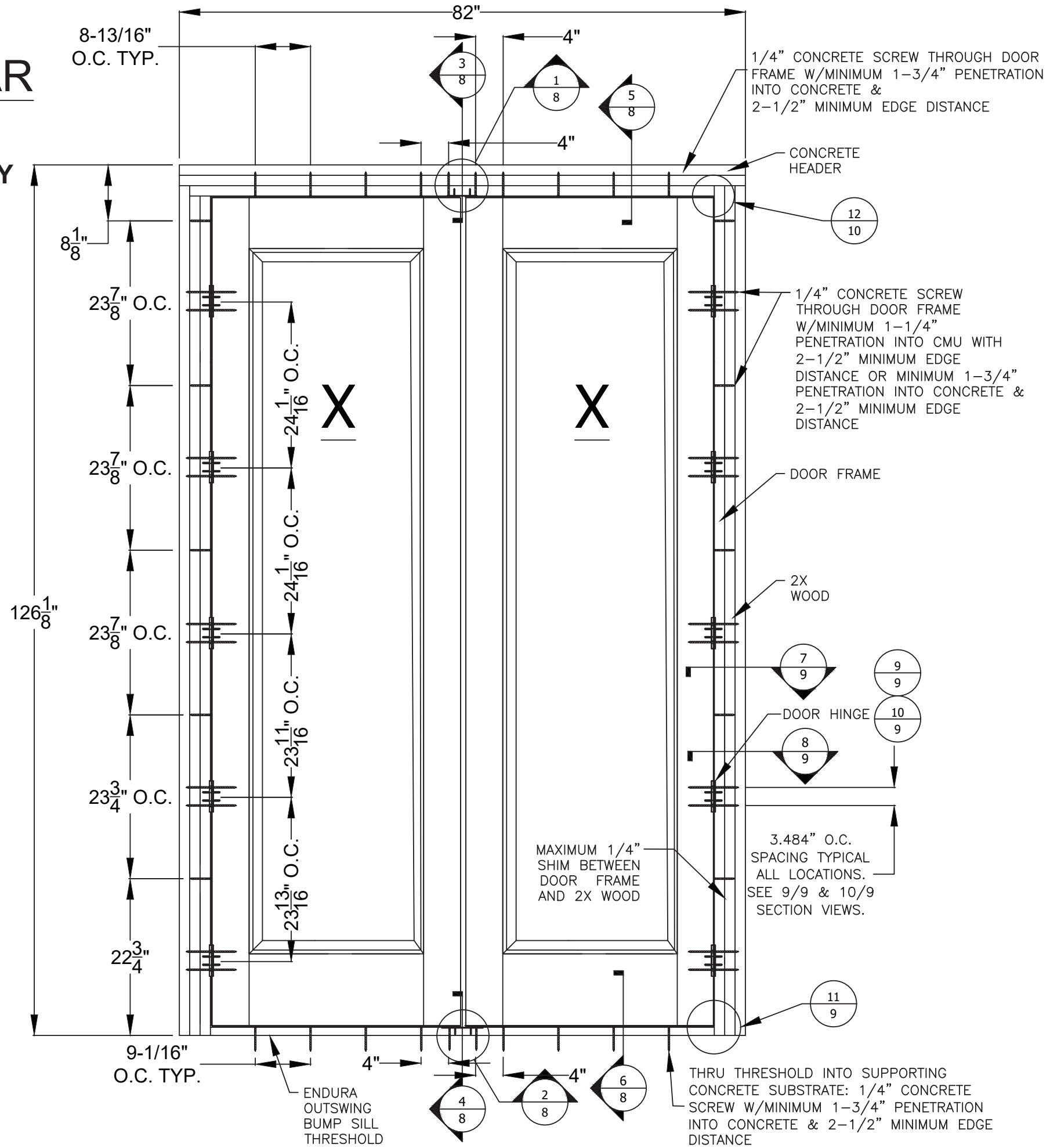
PREPARED BY: PTC
DRAWN BY: RJA
SCALE: N.T.S.
REV: A

DATE:	10/24/2022
DRAWING NO:	DSA0011
SHEET:	3C OF 17
REV:	A
REVISOR:	REVISOR
DATE:	9/2/2022
BY:	RJA

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



XX
RECTANGULAR
ELEVATION
CONCRETE/MASONRY
INSTALLATION



PROJECT #422-0708

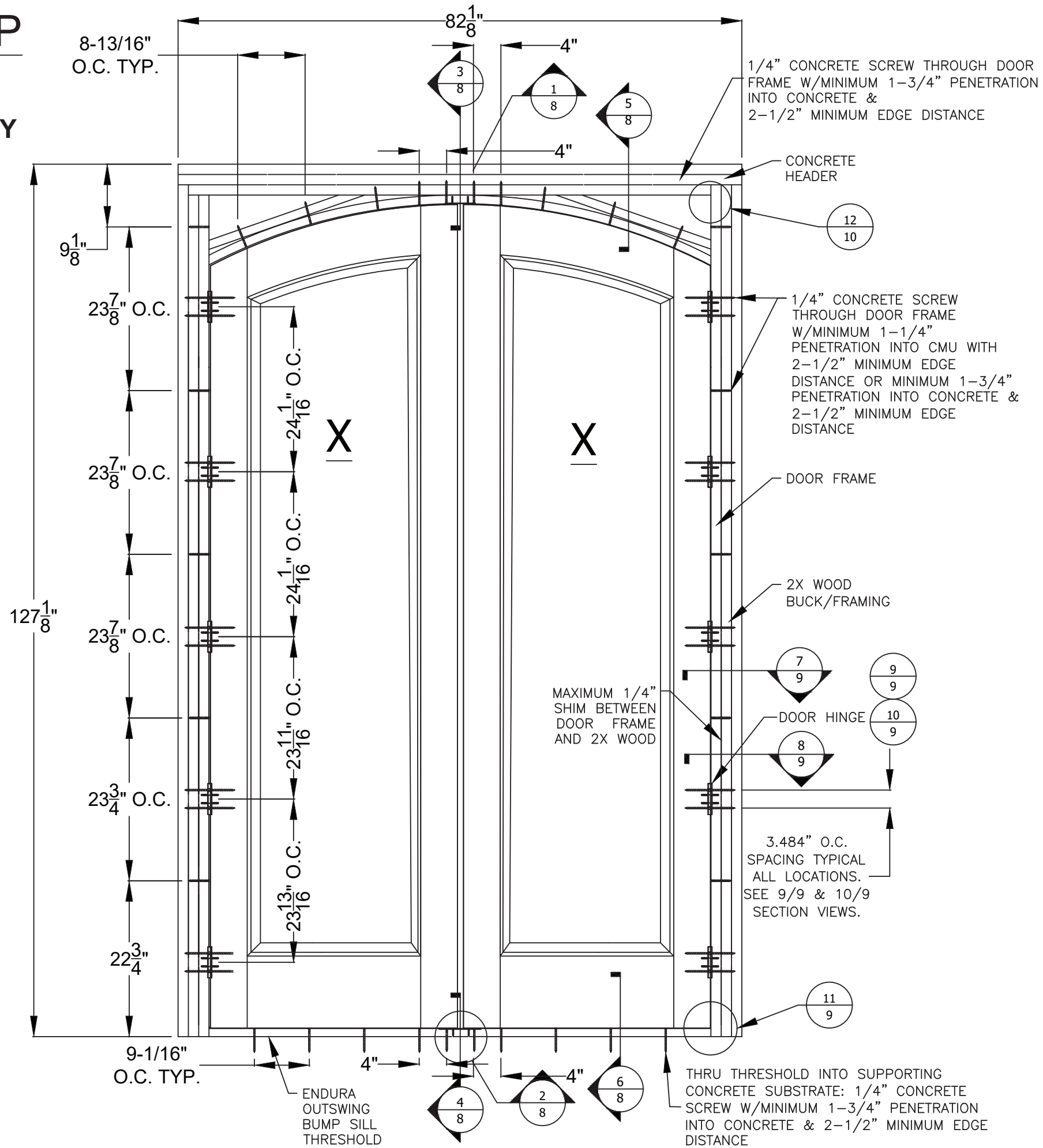
The Door Store of America, Inc.
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Raleigh, NC 27617

PREPARED BY:  PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 25835	DRAWN BY: RJA SCALE: N.T.S. REV: A	DATE: 10/24/2022 DRAWING NO: DSA0011 SHEET: 4 OF 17
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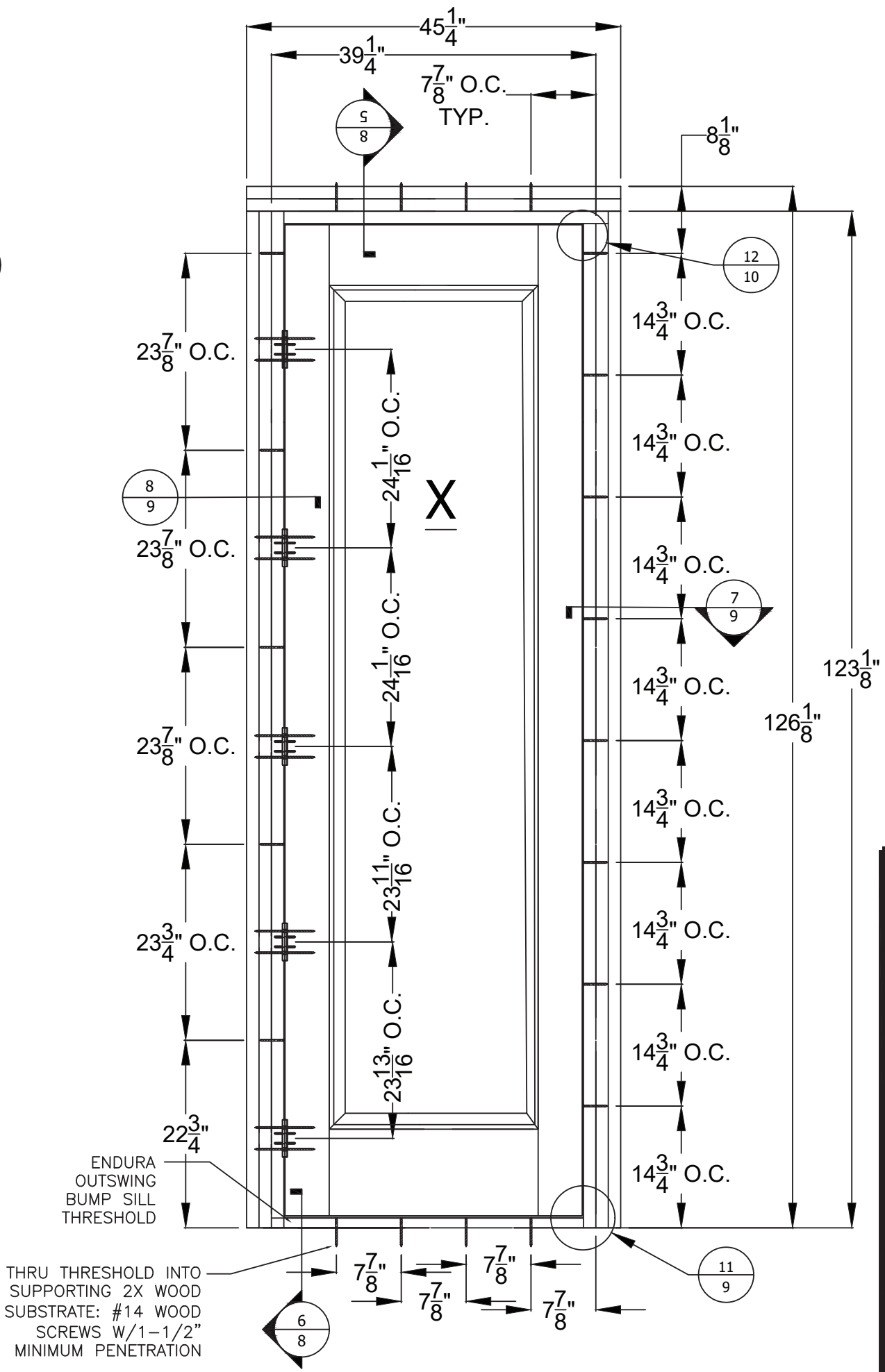
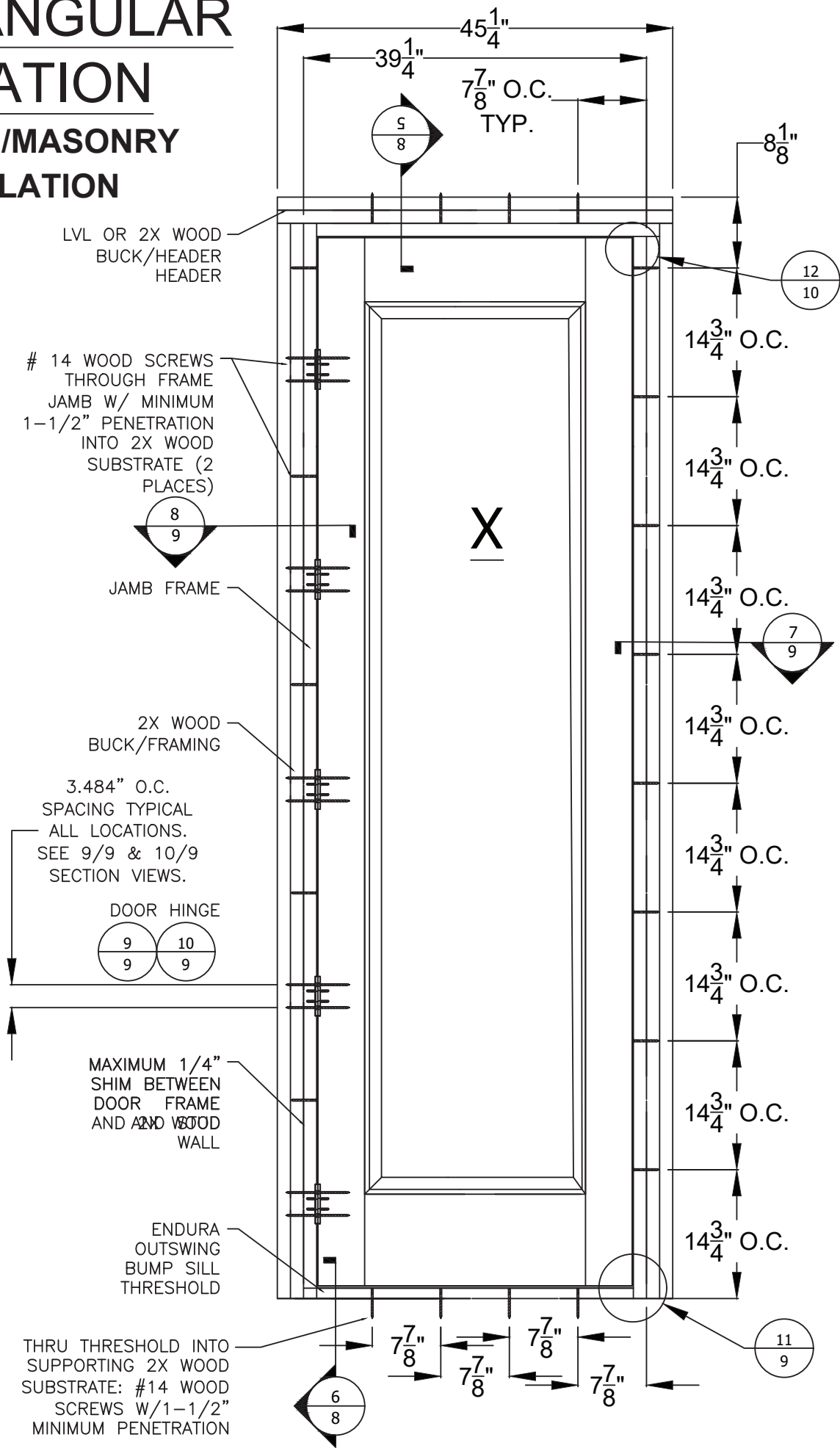
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XX ARCH TOP ELEVATION CONCRETE/MASONRY INSTALLATION



X RECTANGULAR
ELEVATION
CONCRETE/MASONRY
INSTALLATION



PROJECT #422-0708

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10681 World Trade Blvd
Raleigh, NC 27617

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

PREPARED BY: RJA
DRAWN BY: RJA
SCALE: N.T.S.
REV: A
DATE: 10/24/2022
DRAWING NO: DSA0011
SHEET: 4B OF 17

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



X ARCH TOP
ELEVATION
CONCRETE/MASONRY
INSTALLATION

1/4" CONCRETE SCREWS THROUGH
DOOR FRAME JAMB W/ MINIMUM
1-1/4" PENETRATION INTO CMU WITH
2-1/2" MINIMUM EDGE DISTANCE OR
MINIMUM 1-3/4" PENETRATION INTO
CONCRETE & 2-1/2" MINIMUM EDGE
DISTANCE

DOOR FRAME

2X WOOD
BUCK/FRAMING

3.484" O.C.
SPACING TYPICAL
ALL LOCATIONS.
SEE 9/9 & 10/9
SECTION VIEWS.

DOOR HINGE

MAXIMUM 1/4"
SHIM BETWEEN
DOOR FRAME
AND 2X WOOD

ENDURA
OUTSWING
BUMP SILL
THRESHOLD

THRU THRESHOLD INTO
SUPPORTING CONCRETE
SUBSTRATE: 1/4"
CONCRETE SCREWS
W/1-1/2" MINIMUM
PENETRATION INTO
CONCRETE & 2-1/2"
MINIMUM EDGE DISTANCE

THRU THRESHOLD INTO
SUPPORTING CONCRETE
SUBSTRATE: 1/4"
CONCRETE SCREWS
W/1-1/2" MINIMUM
PENETRATION INTO
CONCRETE & 2-1/2"
MINIMUM EDGE DISTANCE

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



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

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

PREPARED BY:

DRAWN BY:

DATE:

DRAWING NO:

REV

DESCRIPTION

BY

DATE

REV

COMMENTS

REVIS

9/2/2022

RJA

PROJECT #422-0708

ELEVATION

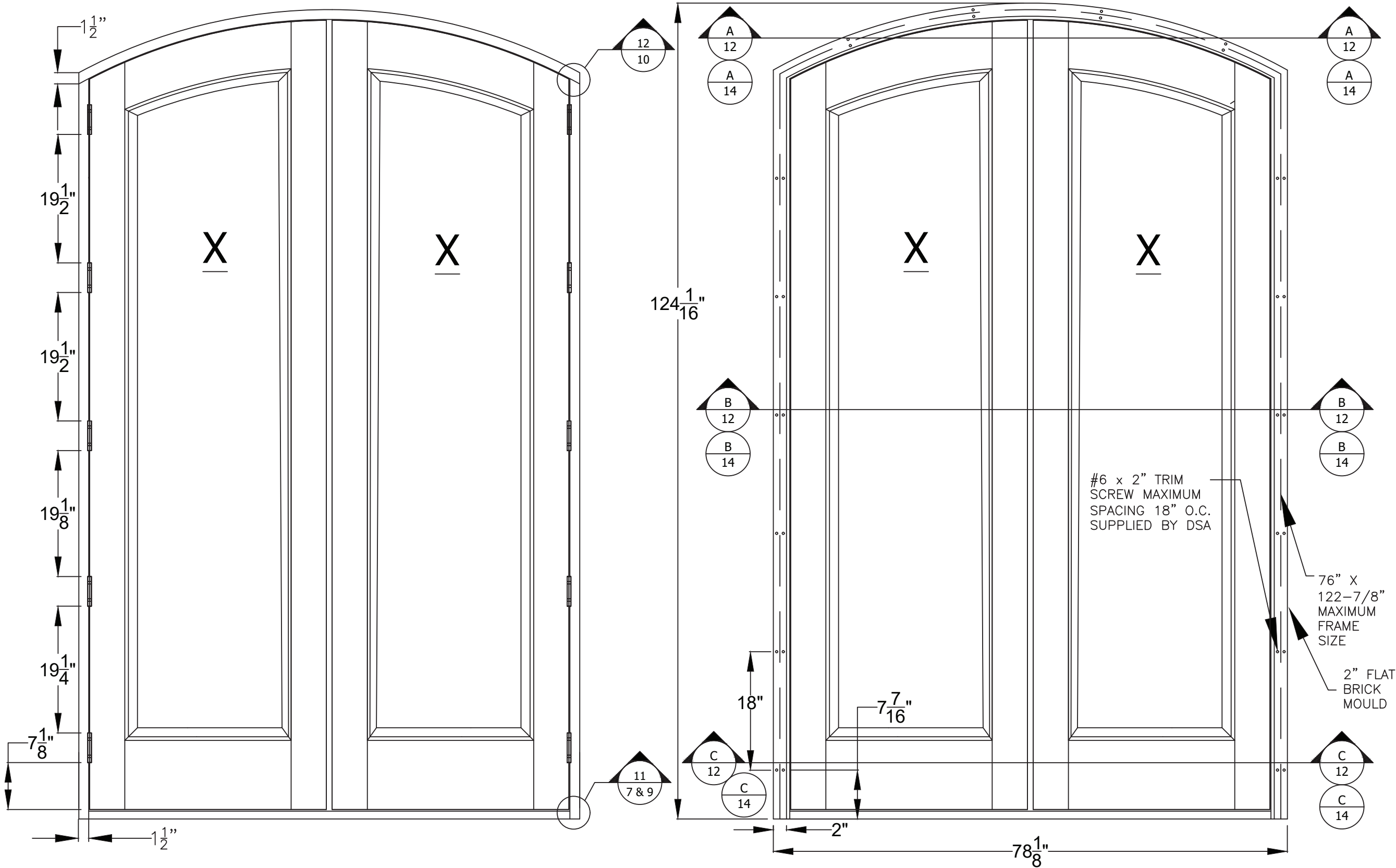
XX BRICK MOULD INSTALLATION



ELEVATION
XX HINGE LOCATION

ARCH TOP
FRAME

ELEVATION
XX BRICK MOULD
INSTALLATION



PROJECT #422-0708

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

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque
ELEVATIONS - HINGES & BRICK MOULD

PREPARED BY: 
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGVIEW, TX 75805
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com
FBIPE CA, INC. 26335

DRAWN BY: RJA
SCALE: N.T.S.
REV: A

DATE: 10/24/2022
DRAWING NO: DSA0011
SHEET: 5A OF 17

REV	DESCRIPTION	DATE	BY
A	REVISED FOR MD COMMENTS	9/2/2022	RJA

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



Technical drawing of a door with dimensions and callouts:

- Top callout: $\frac{12}{10}$
- Left side dimensions (from top to bottom):
 - $1\frac{1}{2}"$
 - $19\frac{1}{2}"$
 - $19\frac{1}{2}"$
 - $19\frac{1}{8}"$
 - $19\frac{1}{4}"$
 - $7\frac{1}{8}"$
- Bottom callout: $\frac{2}{15}$
- Center of door: X

[illegible]

Raleigh, NC 27617
Complete Collection, Single and Double Doors, Outswing, Opaque
ELEVATIONS - HINGES & BRICK MOULD

PREPARED BY:				DATE:	10/24/2022
	PTC PRODUCT DESIGN GROUP, LLC P.O. BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 259353			DRAWN BY:	RJA
				SCALE:	N.T.S.
				REV:	A
				DRAWING NO:	DSA0011
				SHEET:	5B OF 17

PROJECT #422-0708

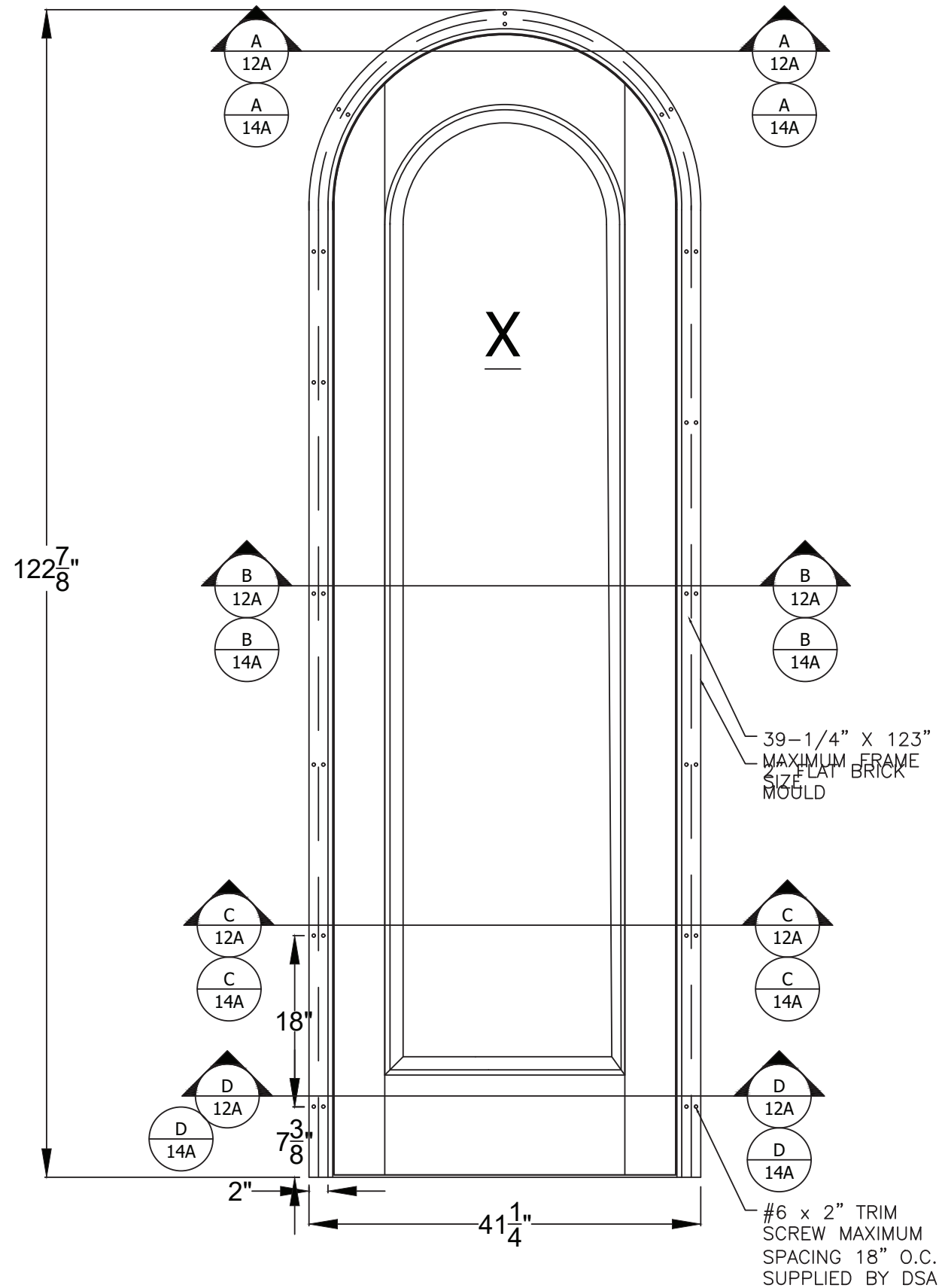
A	REVISED FOR MD COMMENTS	9/2/2022	RJA
REV	DESCRIPTION	DATE	BY

DRAWING NO:
DSA0011

SHEET:
5B OF 17

ELEVATION

X BRICK MOULD INSTALLATION



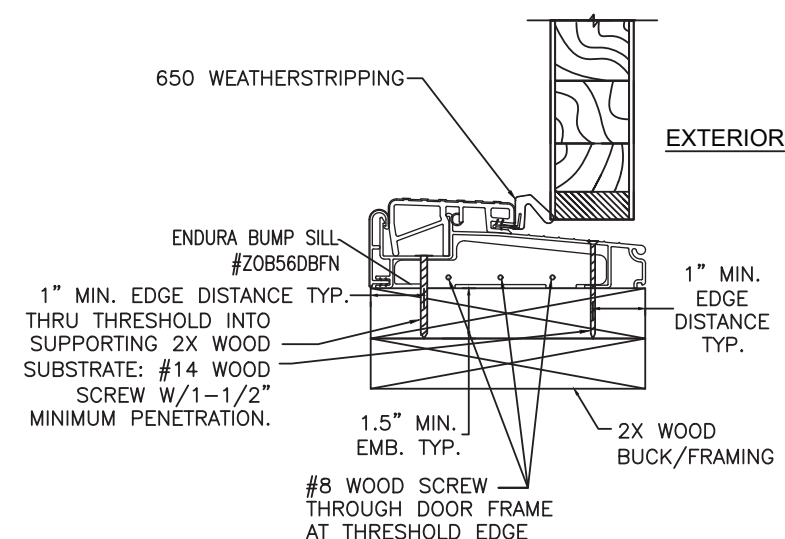
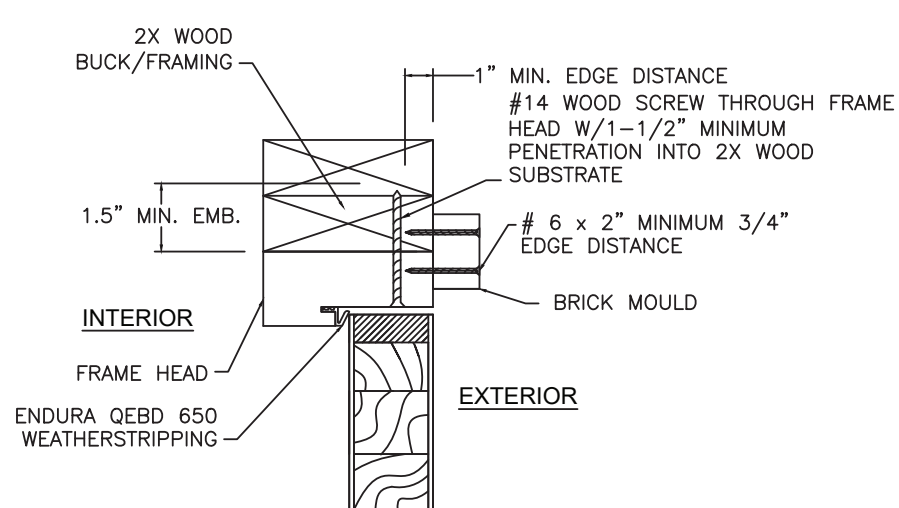
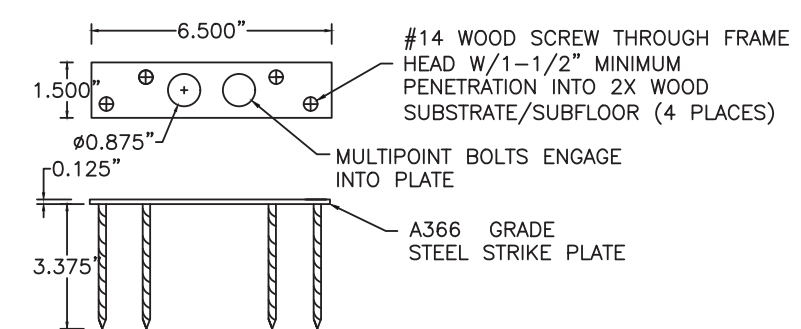
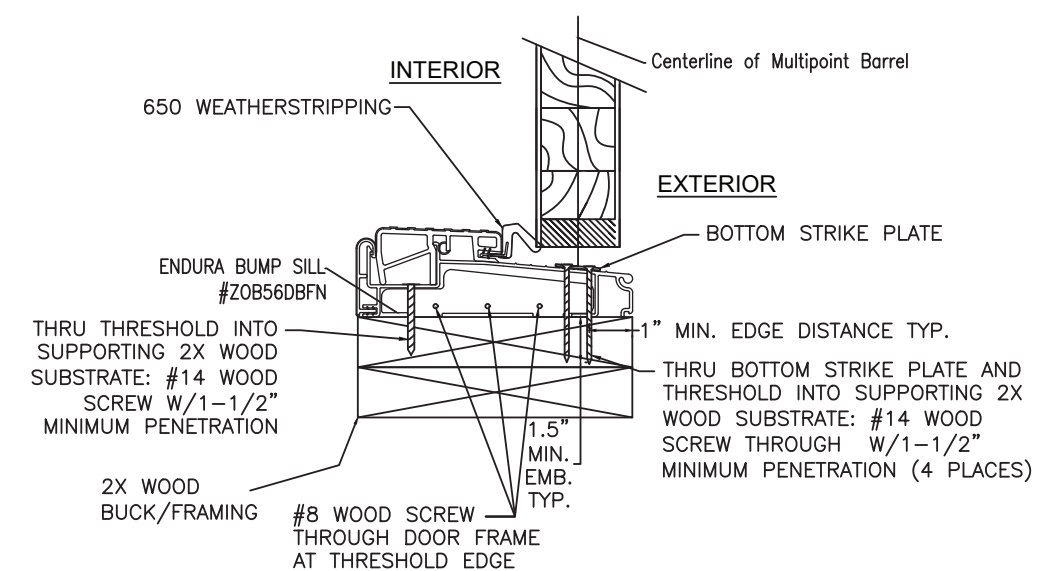
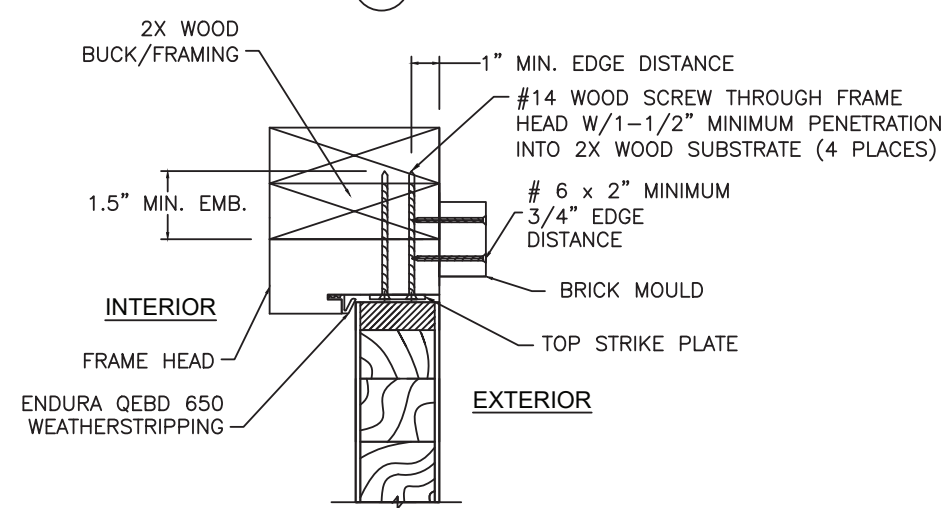
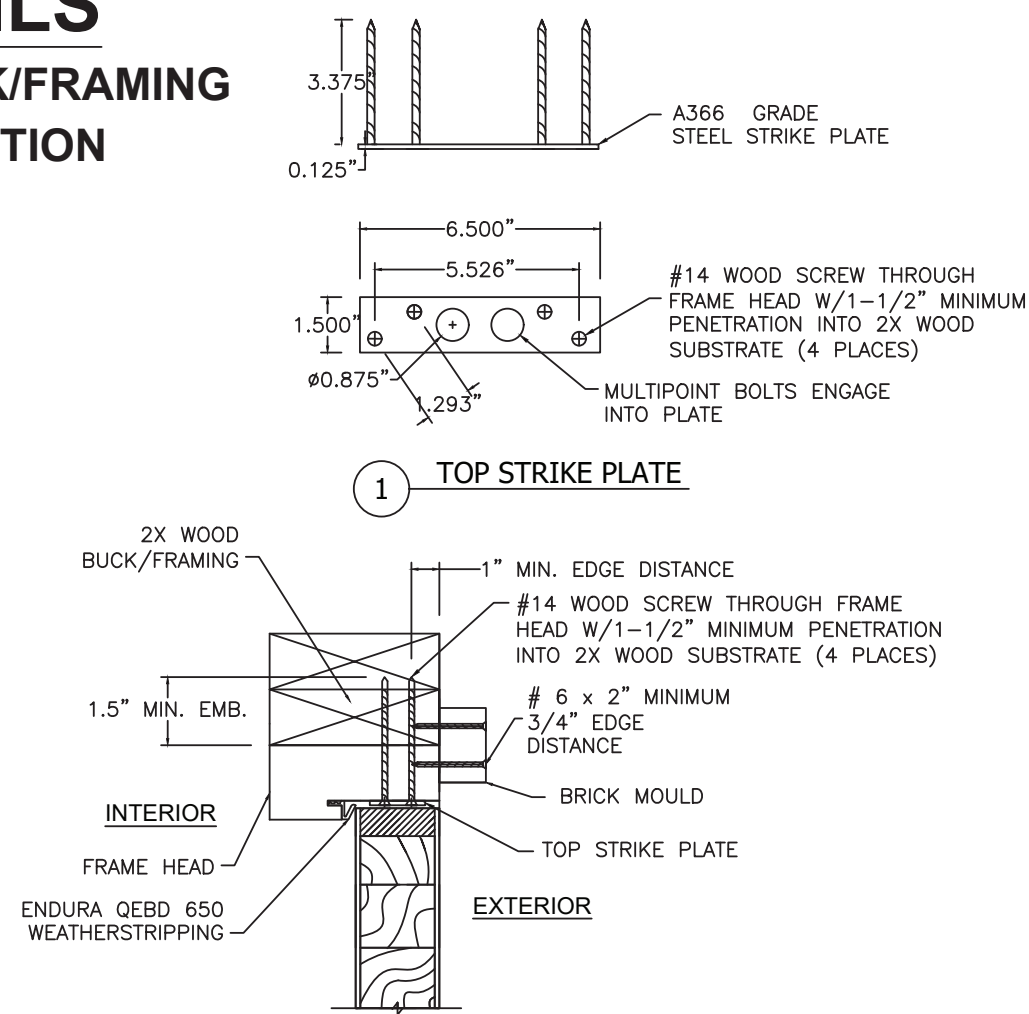
The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617		PROJECT #422-0708	
TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque ELEVATIONS - HINGES & BRICK MOULD			
PREPARED BY:			
			
DRAWN BY: RJA		DATE: 10/24/2022	
SCALE: N.T.S.		DRAWING NO: DSA0011	
REV: A		SHEET: 5C OF 17	
PDC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 25935 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@pdc-corp.com		REVISED FOR MD COMMENTS 9/2/2022 RJA	BY DATE

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



DETAILS

2X WOOD BUCK/FRAMING
INSTALLATION



PROJECT #422-0708

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

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque
WOOD INSTALLATION - DETAILS 1 THRU 6

DATE:	10/24/2022
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	A
DRAWING NO:	DSA0011
SHEET:	6 OF 17

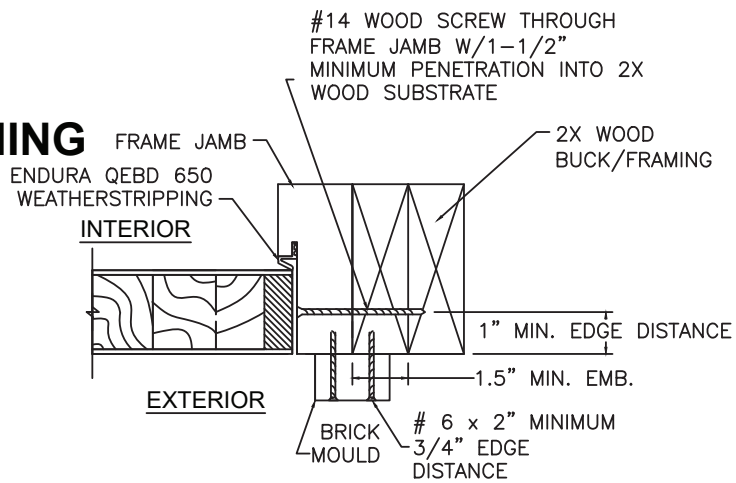
REV	DESCRIPTION	DATE	BY
A	REVISED FOR MD COMMENTS	9/2/2022	RJA

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

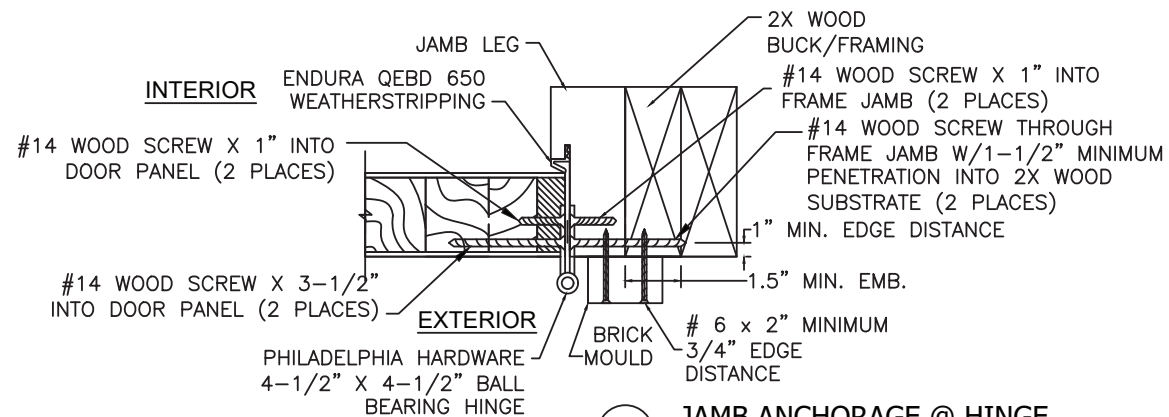


DETAILS

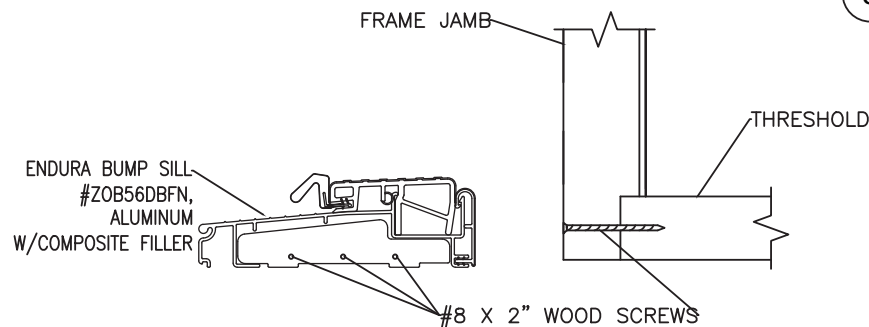
2X WOOD BUCK/FRAMING INSTALLATION



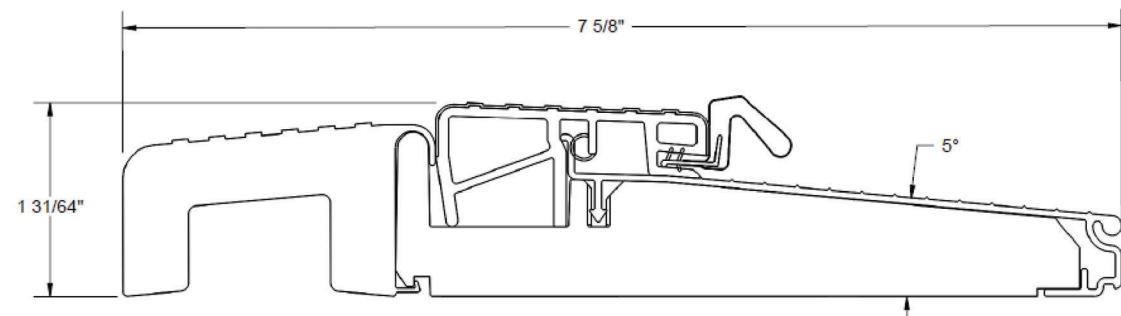
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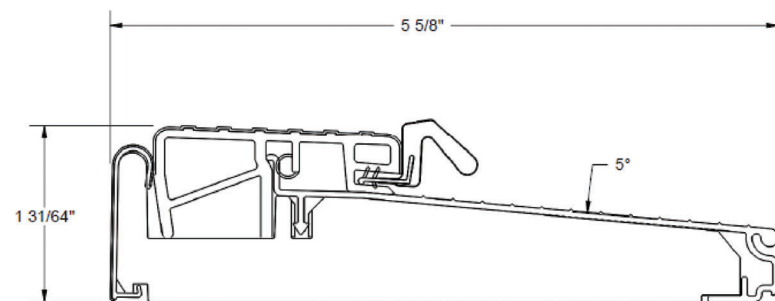
8 JAMB ANCHORAGE @ HINGE



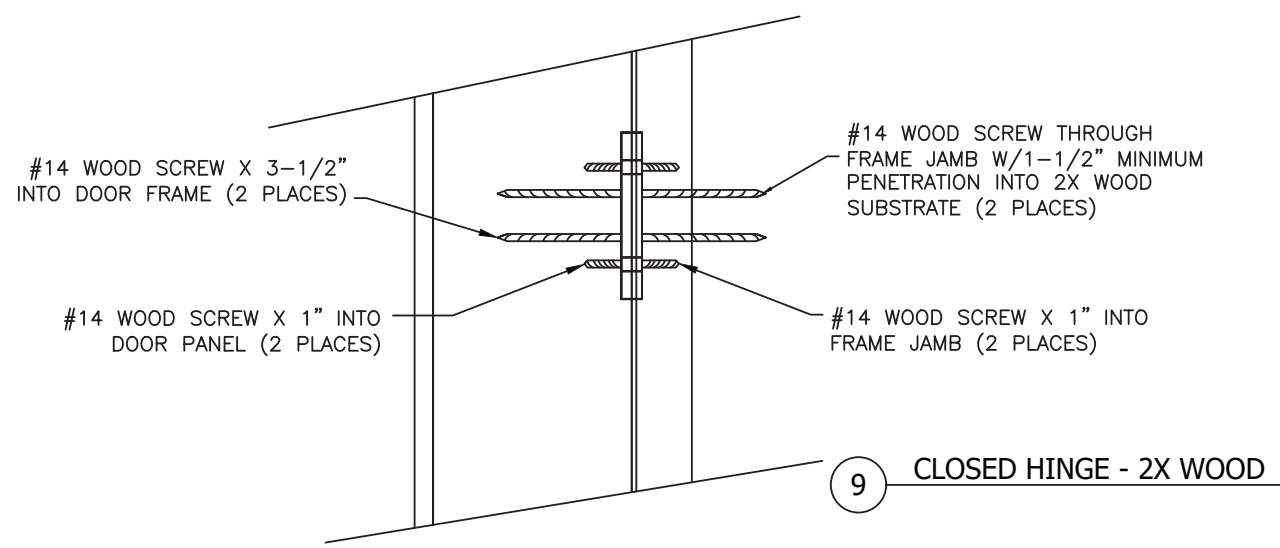
11 THRESHOLD TO FRAME DETAIL
ZOB56DBFN (BRONZE 5-5/8" BUMPER
OUTSWING SILL) OR ZOB76DBFN
(BRONZE 7-5/8" BUMPER OUTSWING
SILL) USED



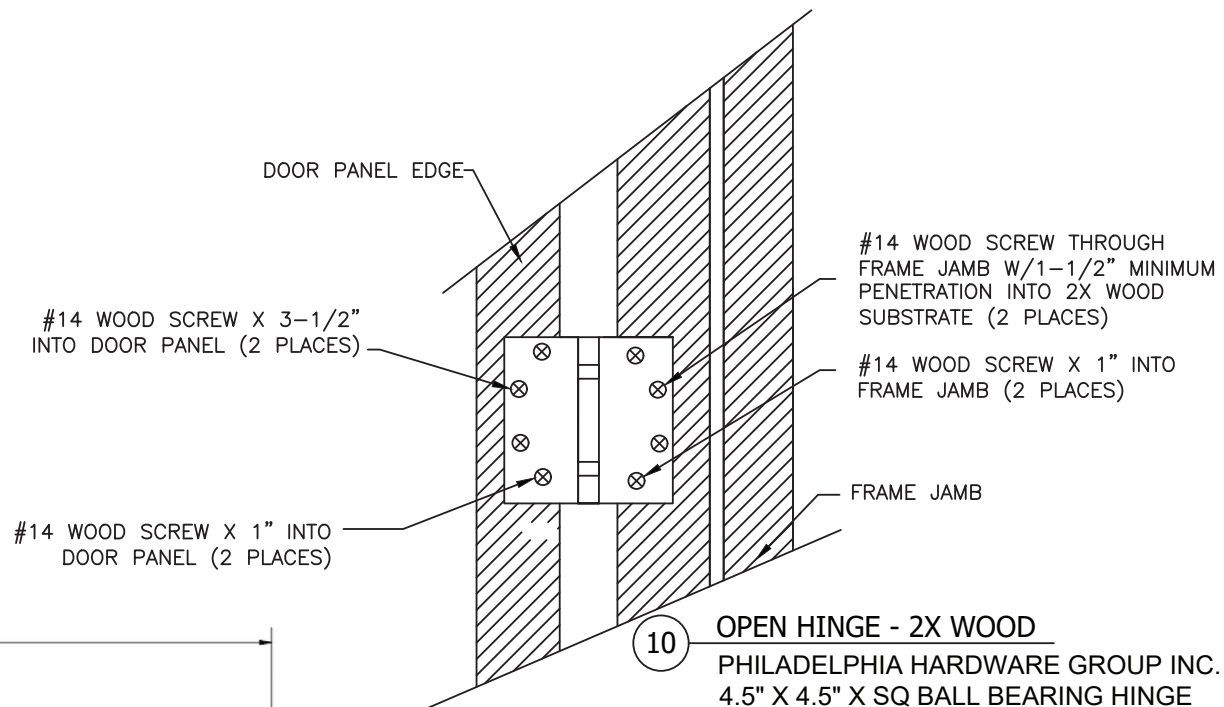
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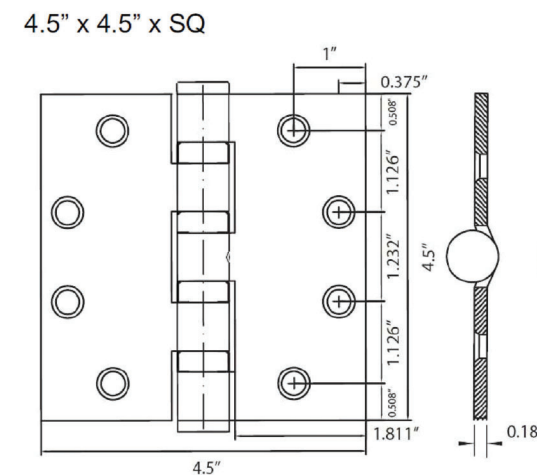
ZOB5625FN



9 CLOSED HINGE - 2X WOOD



10 OPEN HINGE - 2X WOOD
PHILADELPHIA HARDWARE GROUP INC.
4.5" X 4.5" X SQ BALL BEARING HINGE



PROJECT #422-0708

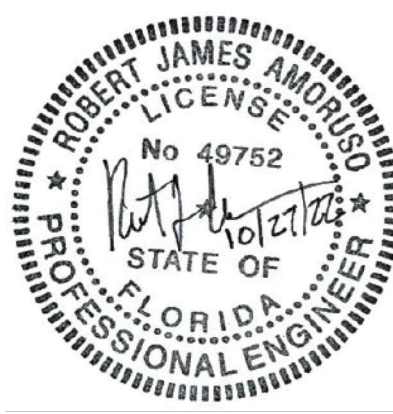
The Door Store of America, Inc.
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque
WOOD INSTALLATION - DETAILS 7 THRU 11

PREPARED BY: RJA
DATE: 10/24/2022
DRAWING NO: DSA0011
SCALE: N.T.S.
REV: A
SHEET: 7 OF 17

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGVIEW, TX 75607-0775
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Fax: 321.690.1789
Email: info@ptc-corp.com
FBPE CA, INC. 28335

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

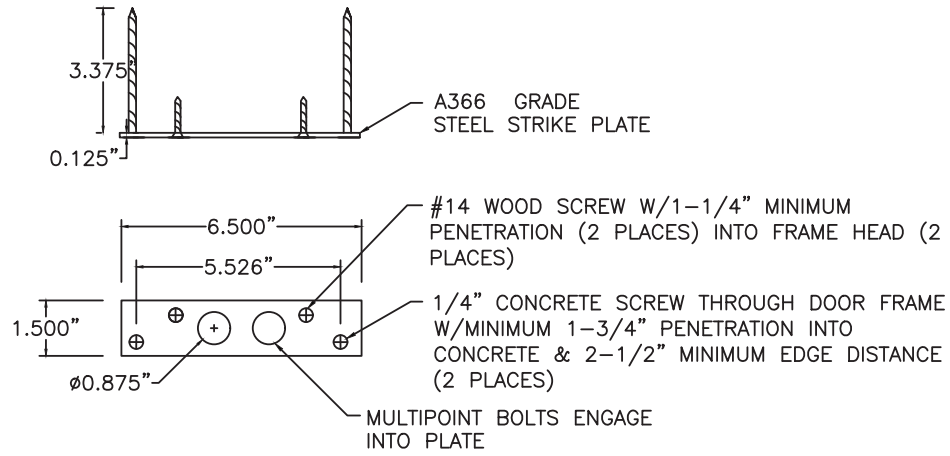


DETAILS

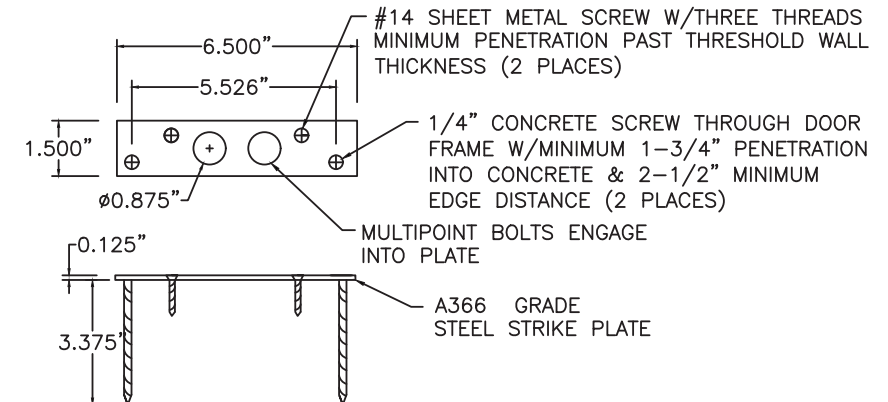
CONCRETE INSTALLATION

NOTES:

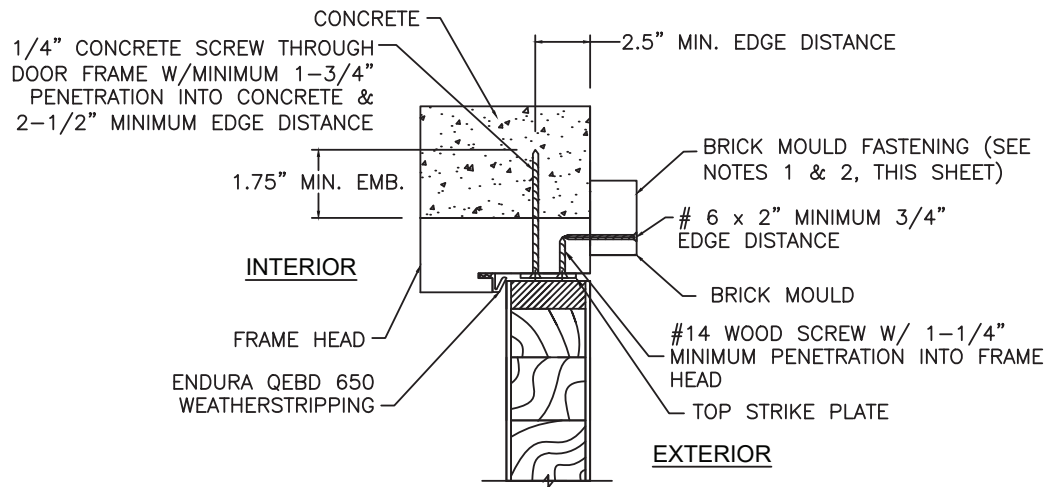
1. BRICK MOULD INSTALLATION SHALL USE NO. 6 WOOD SCREW X 2" MINIMUM LENGTH FOR BRICK MOULD-TO-DOOR FRAME INSTALLATION
2. ALL ADDITIONAL FASTENING INCLUDING THE USE OF SEALANTS SHALL BE AT THE DISCRETION OF THE INSTALLER OR AS RECOMMENDED BY THE DOOR MANUFACTURER.



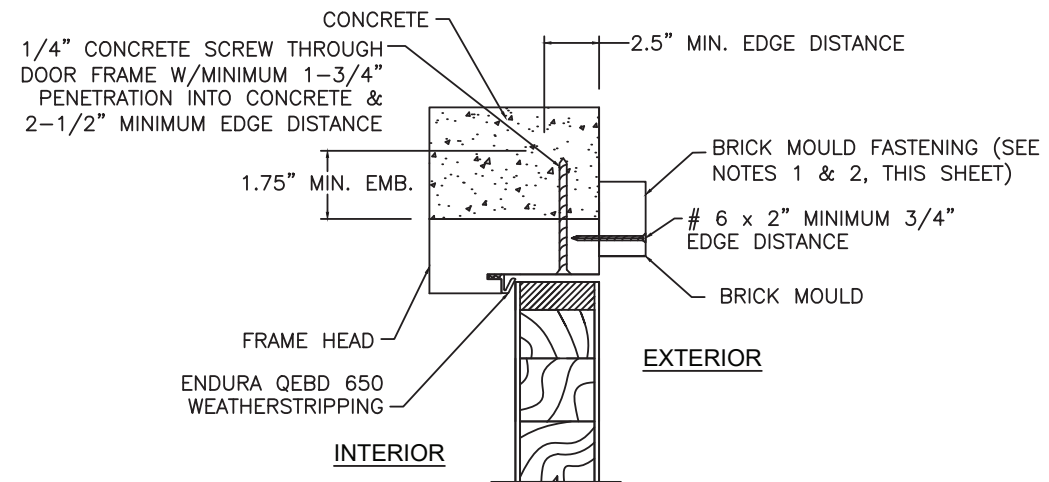
1 TOP STRIKE PLATE



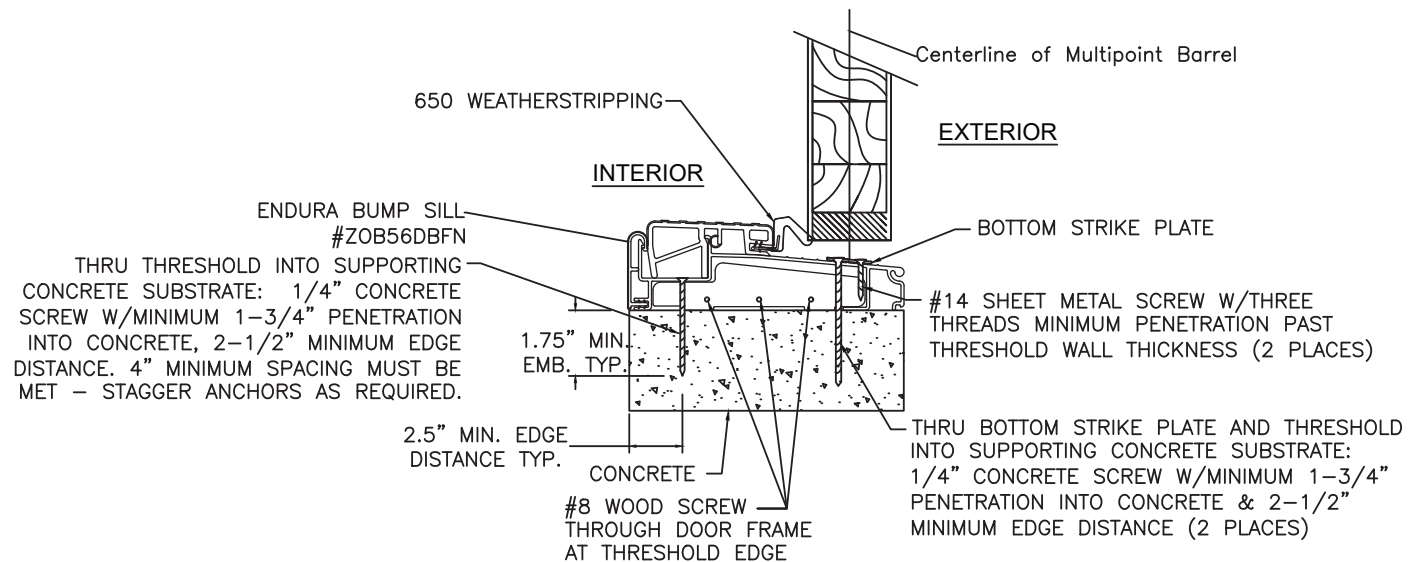
2 BOTTOM STRIKE PLATE



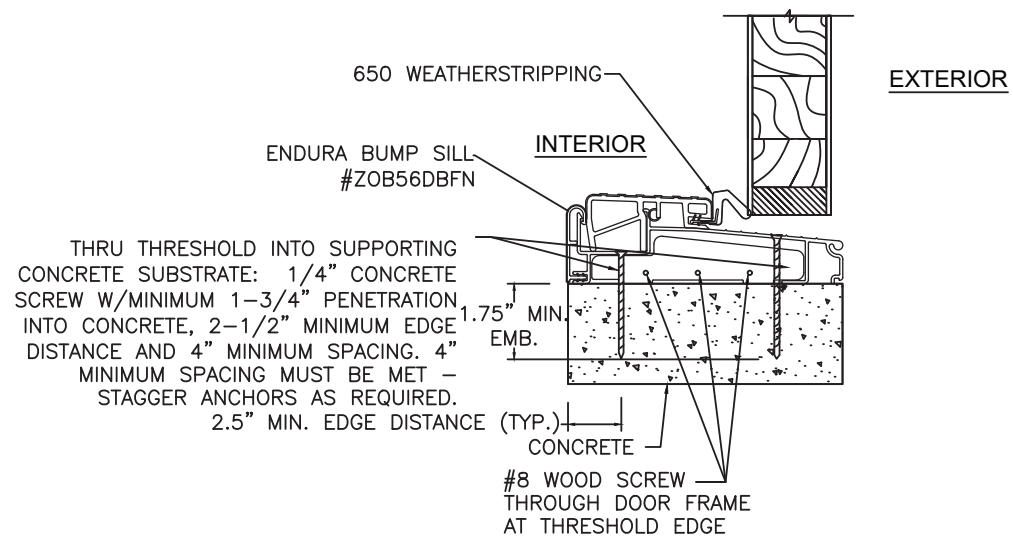
3 HEAD ANCHORAGE AT STRIKE PLATE



5 HEAD ANCHORAGE AT FRAME HEAD



4 THRESHOLD SECTION AT STRIKE PLATE



6 THRESHOLD SECTION AT SILL

PROJECT #422-0708

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

CONCRETE INSTALLATION - DETAILS 1 THRU 6

	RJA	10/24/2022
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SCALE: N T S

DRAWING NO: DSA0011

PTC PRODUCT DESIGN GROUP, LLC
 Phone: 321.690.1788
 PO BOX 520775
 Email: 321.690.1790
 N.P.S. SHEET: DSA0011

LONGWOOD, FLORIDA 32752
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 Email: info@ptc-corp.com
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A

8 OF 17

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Email: info@ptc-corp.com

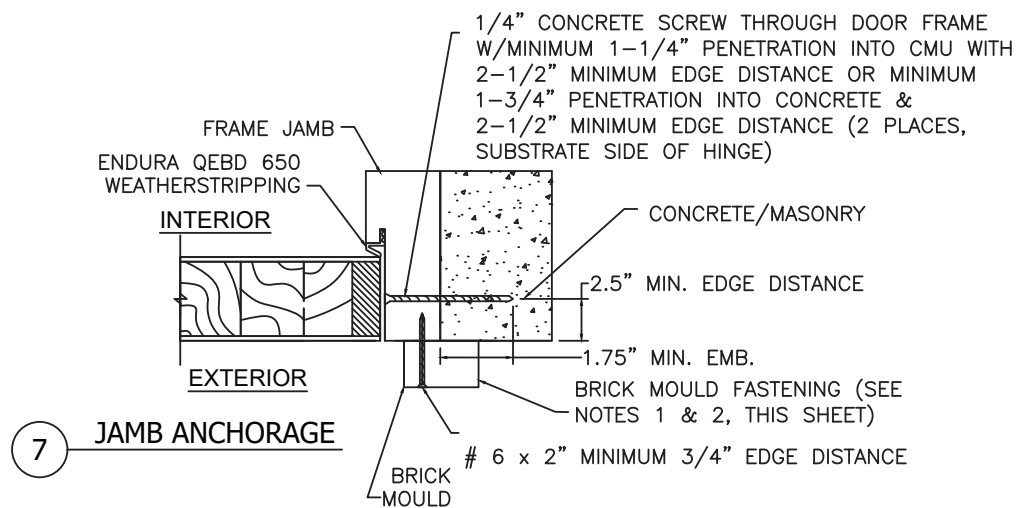
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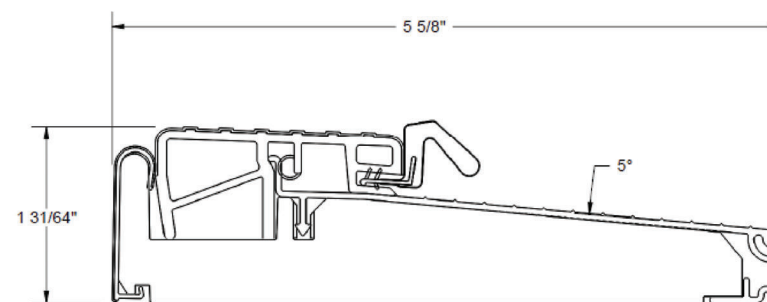
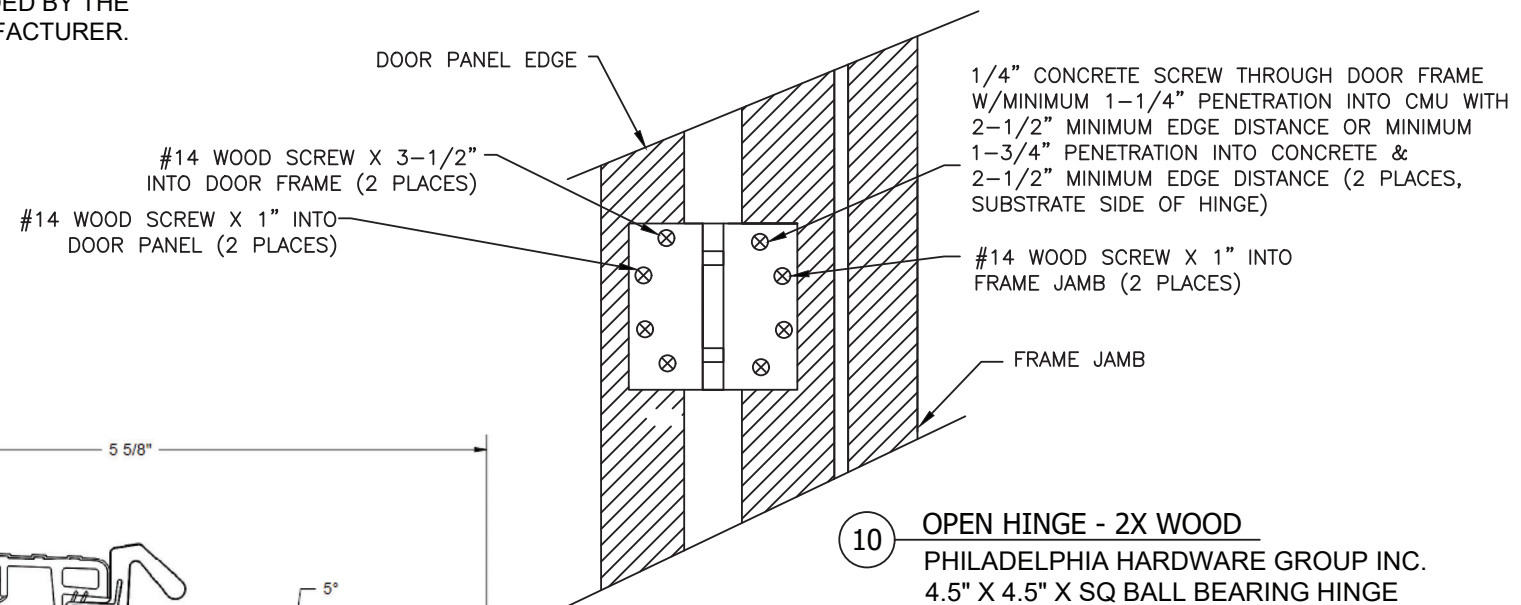
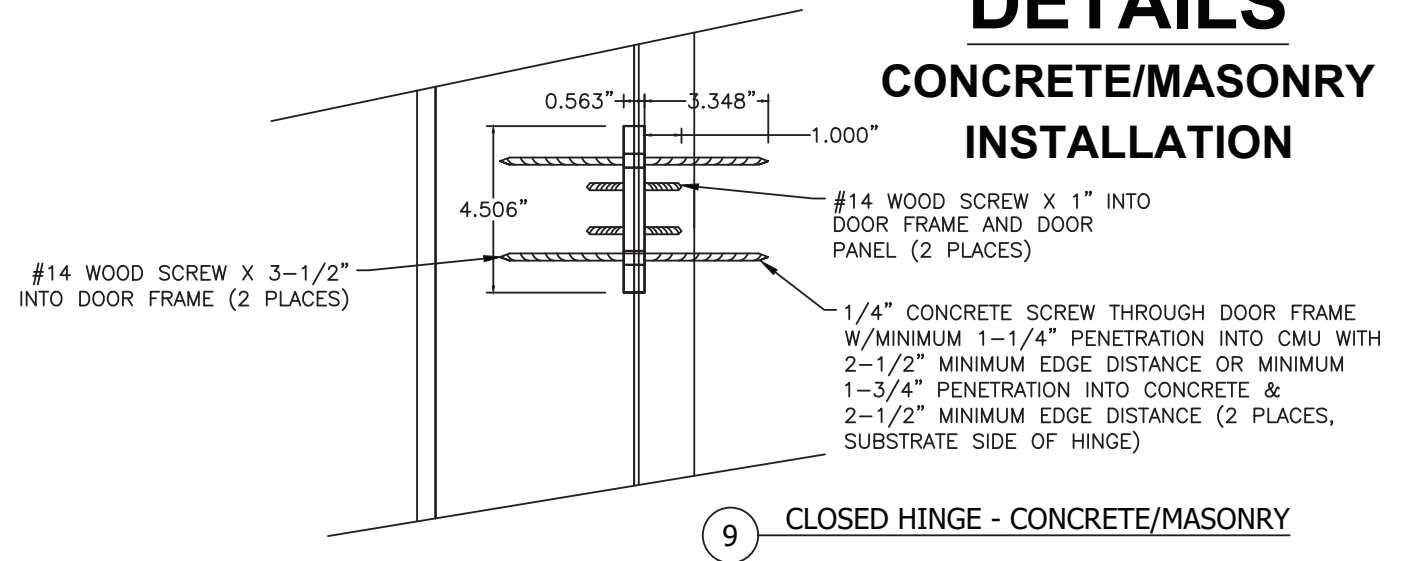
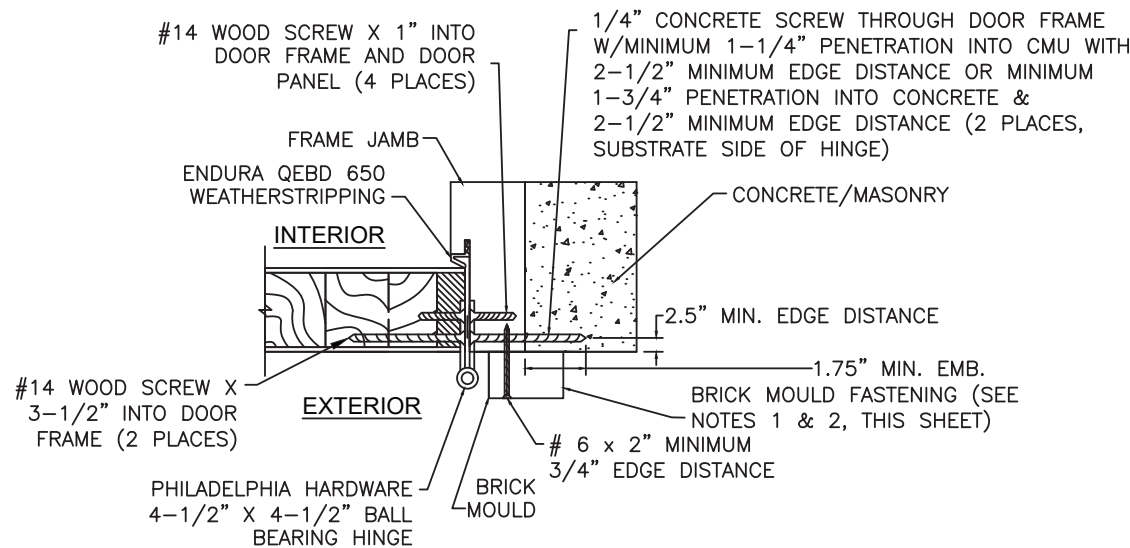
DETAILS

CONCRETE/MASONRY INSTALLATION



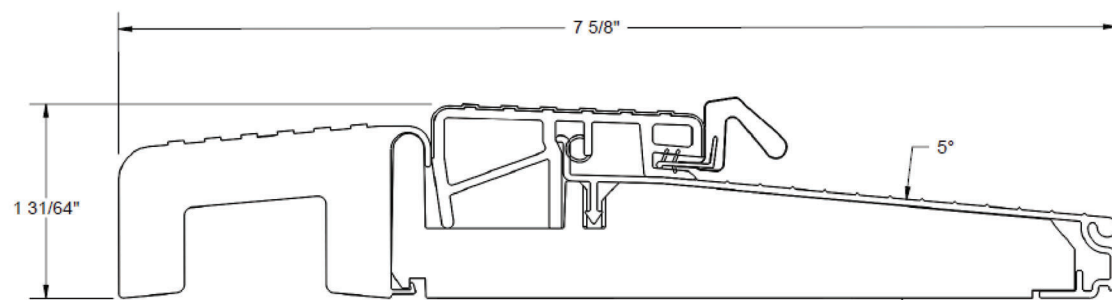
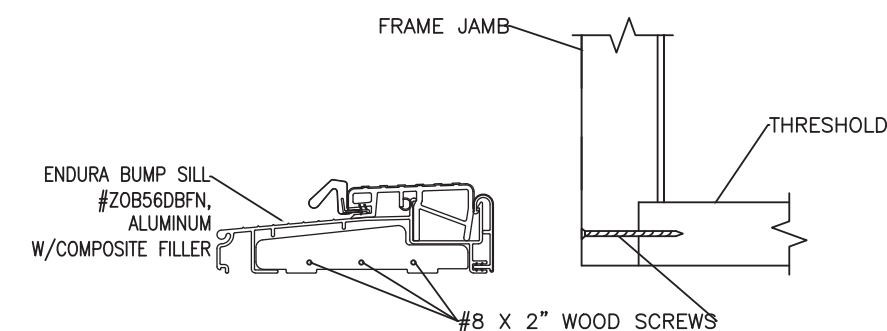
NOTES:

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.

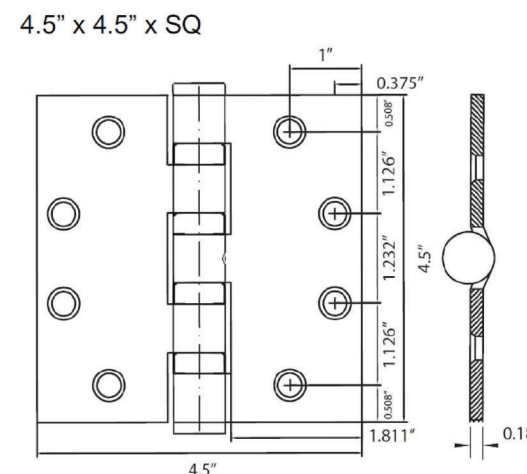


ZOB5625FN

- 11 THRESHOLD TO FRAME DETAIL
ZOB56DBFN (BRONZE 5-5/8" BUMPER OUTSWING SILL) OR ZOB76DBFN (BRONZE 7-5/8" BUMPER OUTSWING SILL) USED



ZOB7625FN



PROJECT #422-0708

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

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

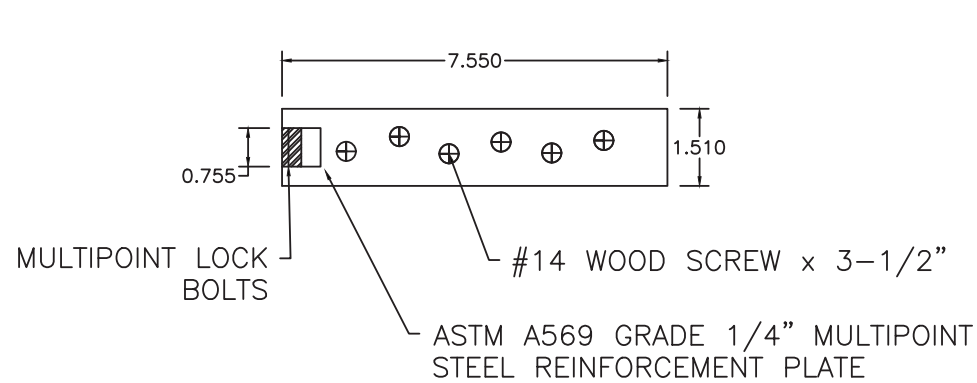
PREPARED BY: DATE: 10/24/2022 DRAWING NO: DSA0011 SHEET: 9 OF 17

REVISIONS: REV: A DESCRIPTION: REVISED FOR MD COMMENTS

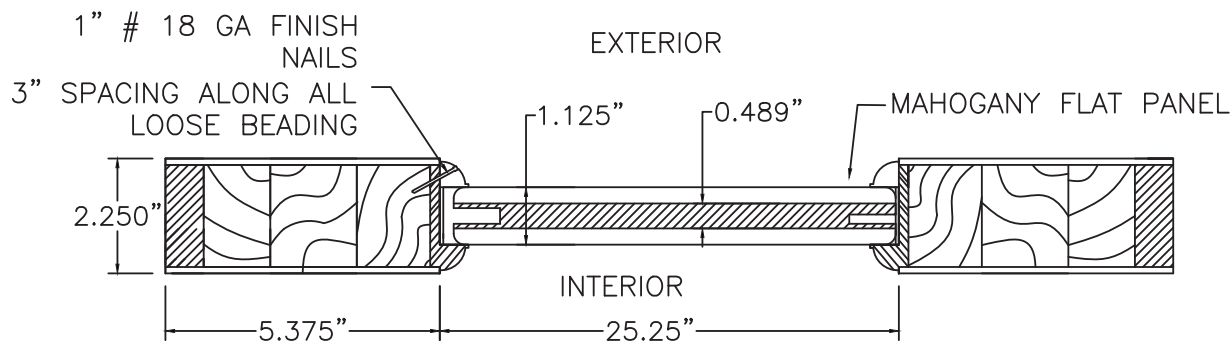
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Robert J. Amoruso, P.E.
Florida P.E. No. 49752

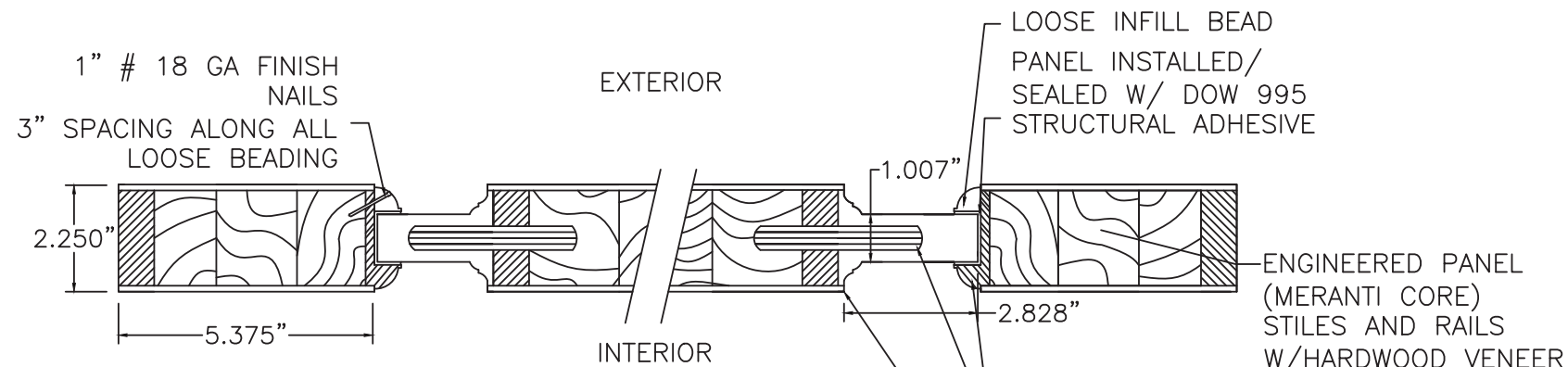




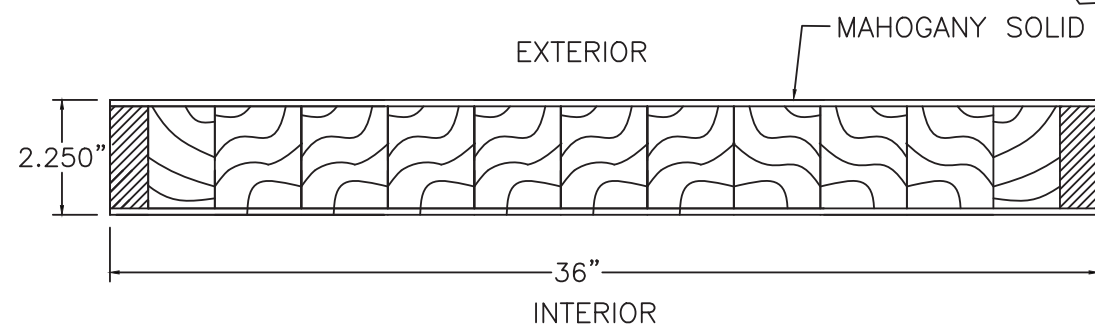
14 REINFORCEMENT PLATE AT MULTIPOINT LOCK



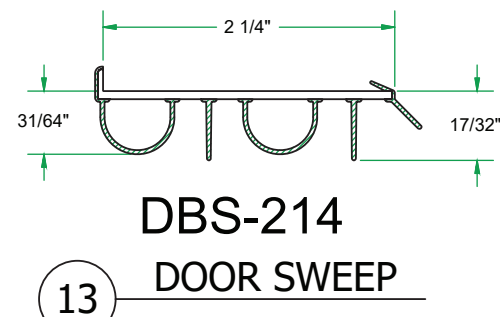
15 OPAQUE PANEL INFILL DETAIL



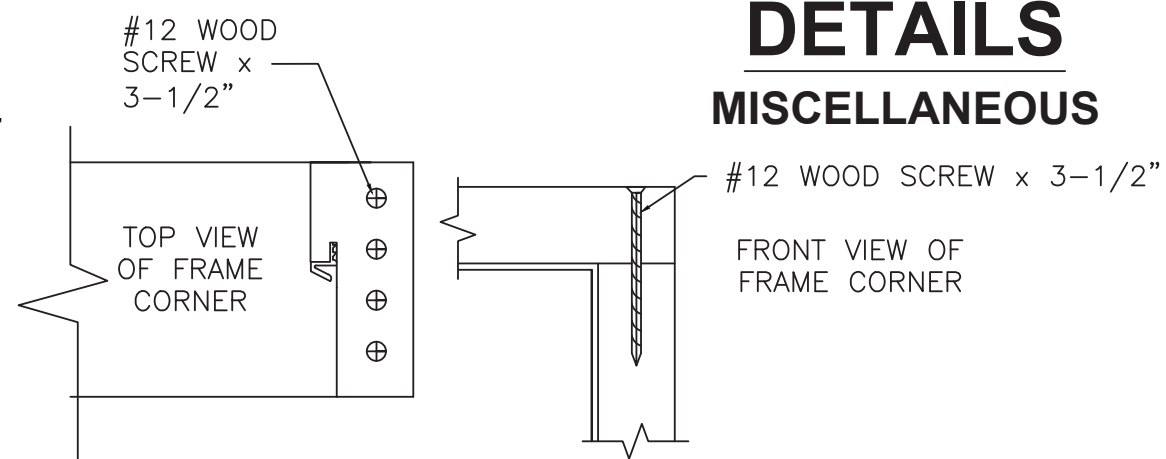
16 PANEL INFILL DETAIL 10



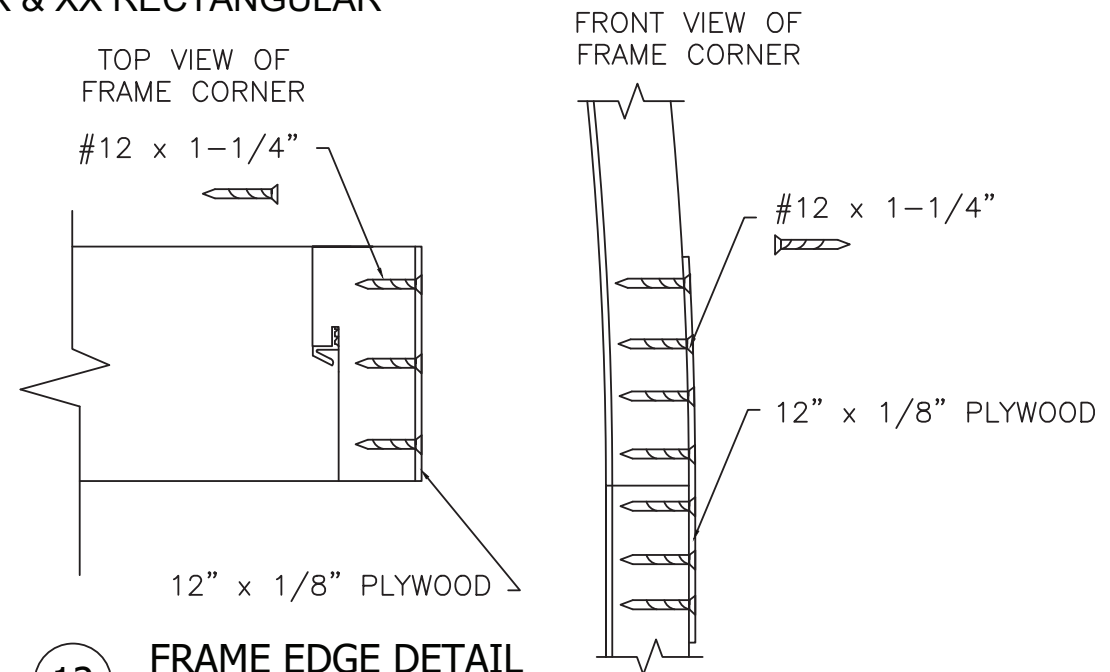
17 SOLID OPAQUE PANEL INFILL DETAIL



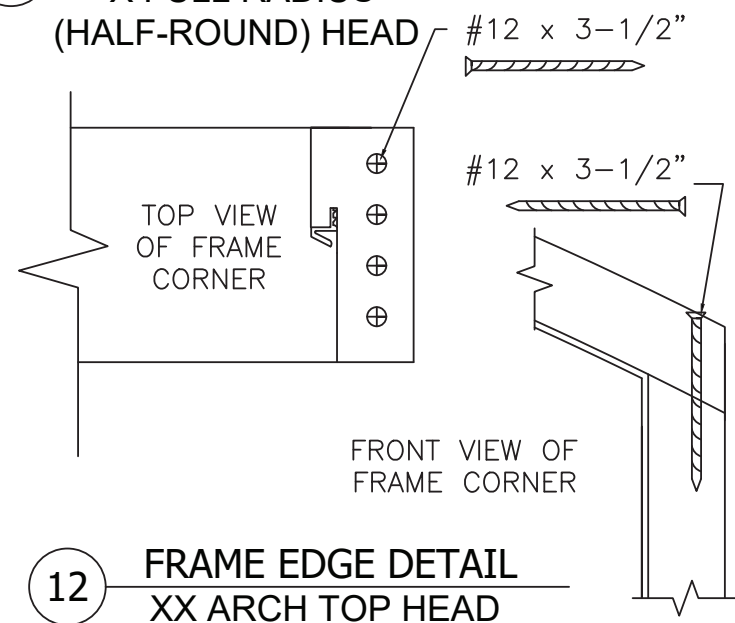
13



12 FRAME EDGE DETAIL X & XX RECTANGULAR



12 FRAME EDGE DETAIL X FULL RADIUS (HALF-ROUND) HEAD



12 FRAME EDGE DETAIL XX ARCH TOP HEAD

DETAILS MISCELLANEOUS

The Door Store of America, Inc.

10681 World Trade Blvd

Raleigh, NC 27617

Complete Collection, Single and Double Doors, Outswing, Opaque

DETAILS - MISCELLANEOUS

PREPARED BY:

DRAWN BY:

DATE:

10/24/2022

REVISOR:

DSA0011

SHEET:

10 OF 17

REV:

A

DESCRIPTION

REV

DATE

BY

RJA

9/2/2022

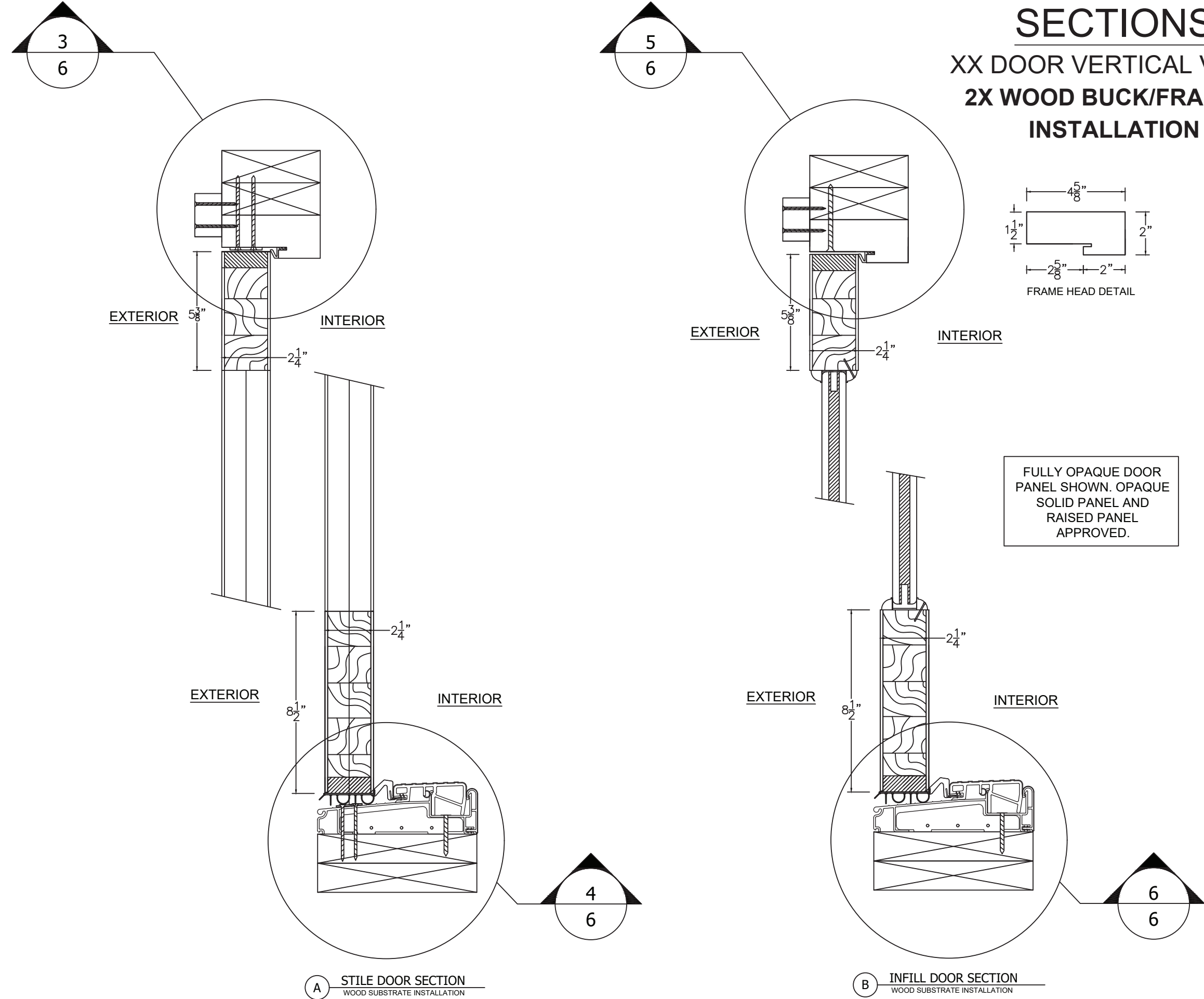
REVISOR

PROJECT #422-0708

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



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



PROJECT #422-0708

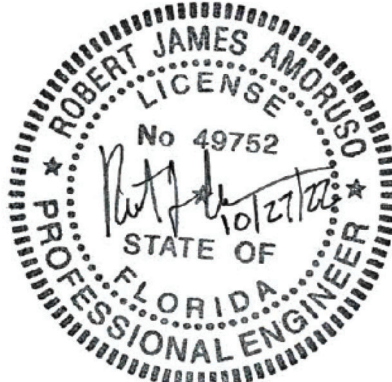
The Door Store of America, Inc.
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque
SECTIONS - VERTICAL - WOOD INSTALLATION

DATE:	10/24/2022
DRAWING NO:	DSA0011
SCALE:	N.T.S.
REV:	A
SHEET:	11 OF 17

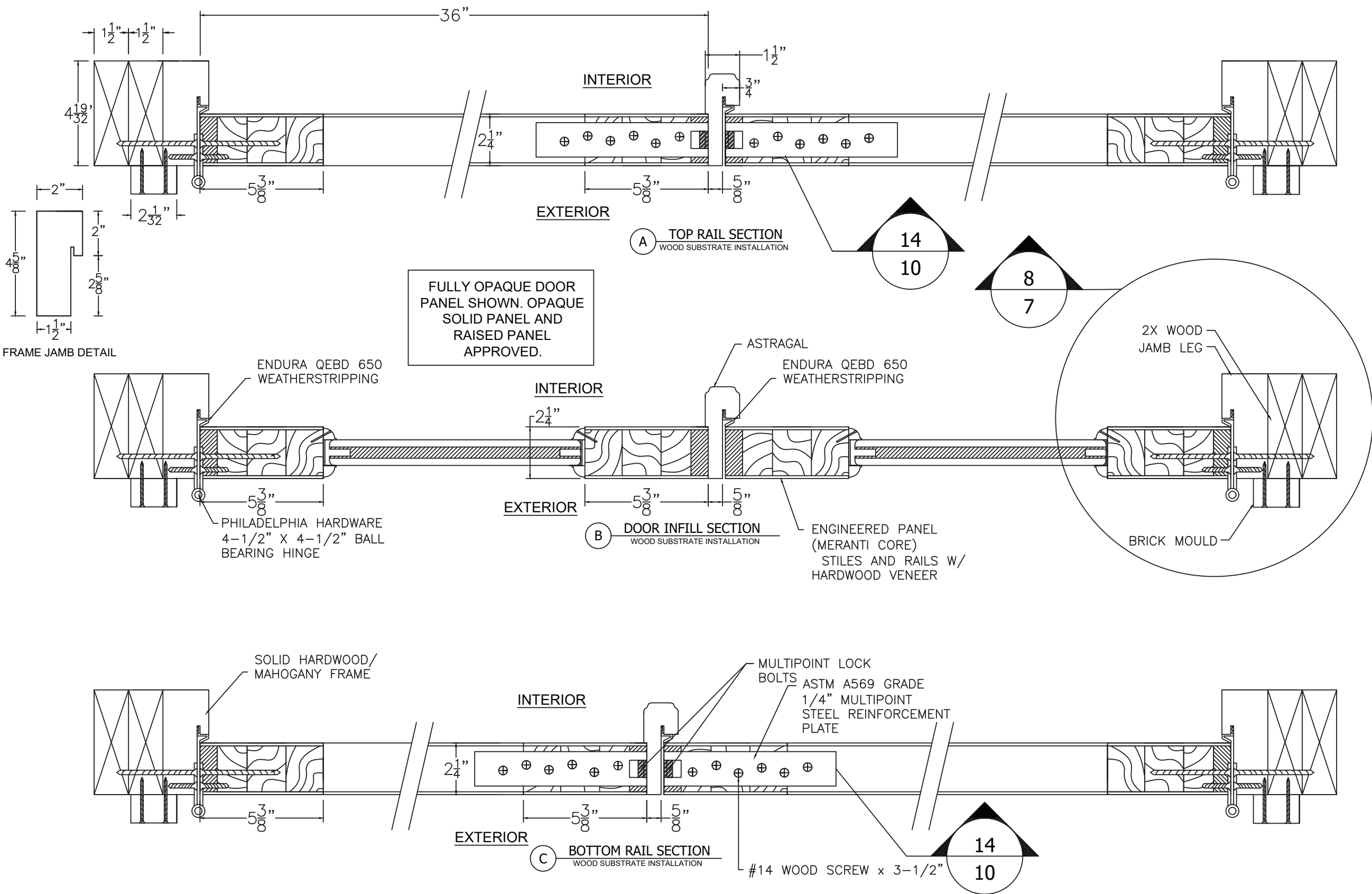
REV	DESCRIPTION	DATE	BY
A	REVISED FOR MD COMMENTS	9/2/2022	RJA

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



SECTIONS

XX DOOR HORIZONTAL VIEWS
2X WOOD BUCK/FRAMING INSTALLATION



PROJECT #422-0708

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

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque
SECTIONS - HORIZONTAL - WOOD INSTALLATION

DATE:	10/24/2022
DRAWING NO:	DSA0011
SCALE:	N.T.S.
REV:	A
SHEET:	12 OF 17

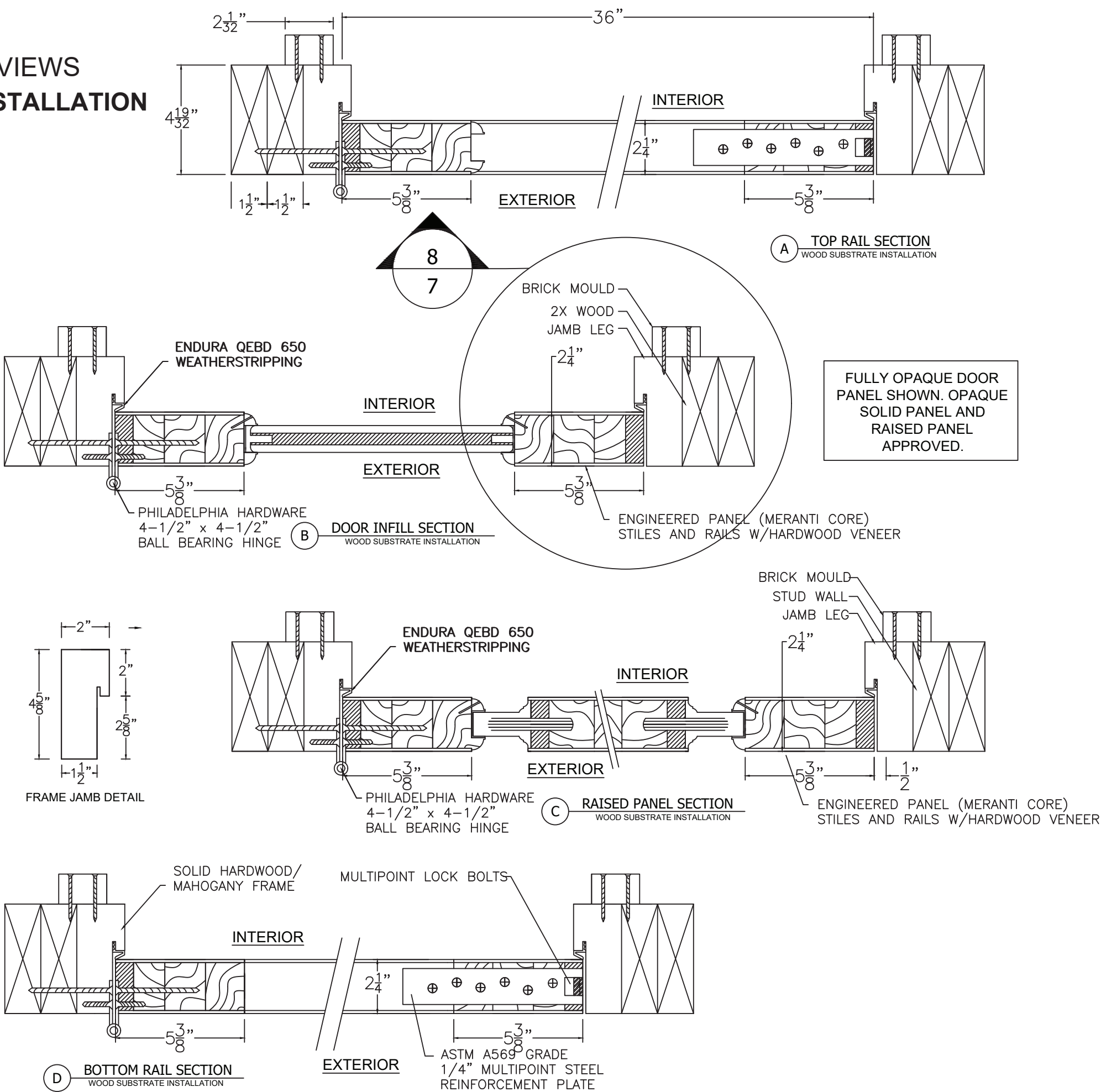
REV	DESCRIPTION	DATE	BY
A	REVISED FOR MD COMMENTS	9/2/2022	RJA

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



SECTIONS

X DOOR HORIZONTAL VIEWS
2X WOOD BUCK/FRAMING INSTALLATION



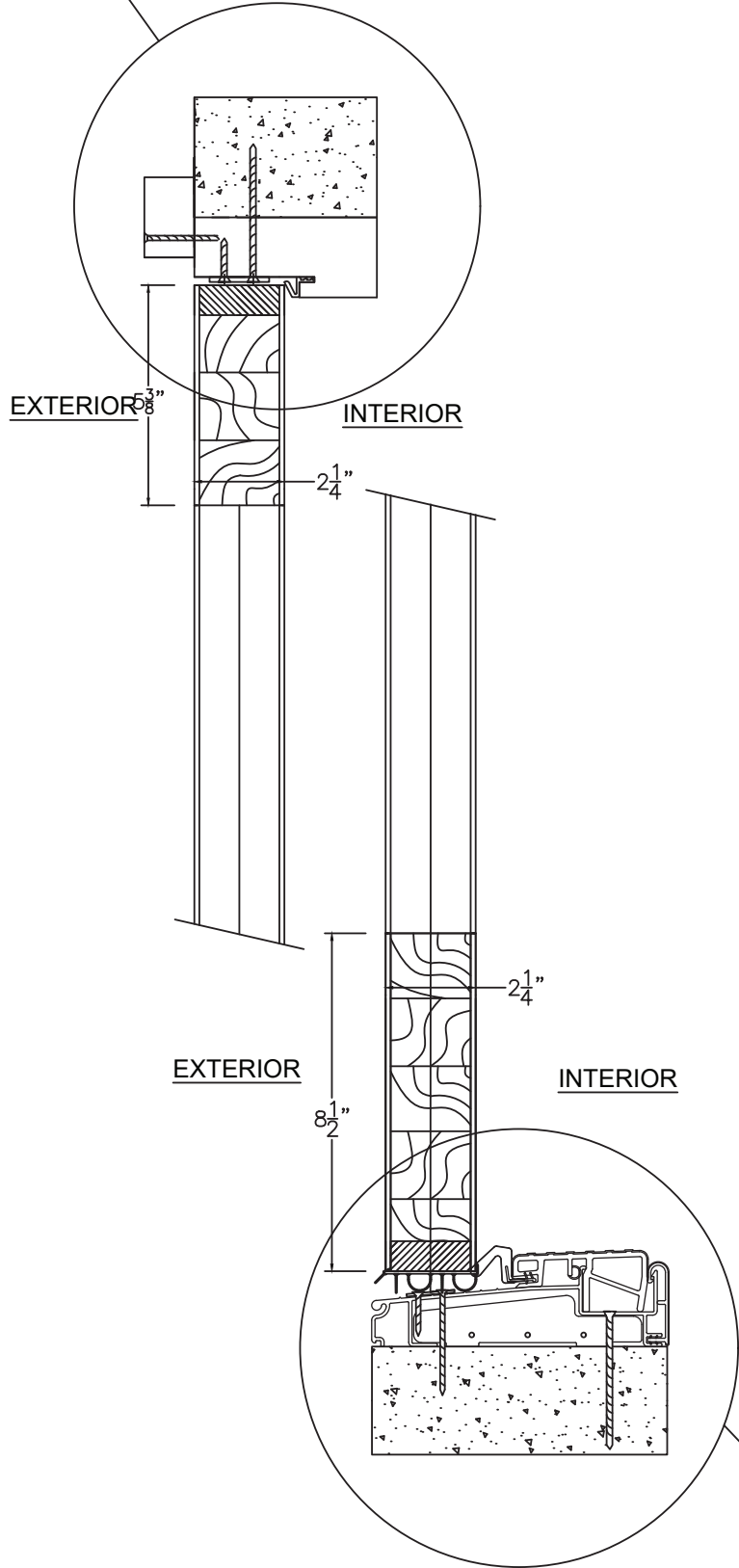
PROJECT #422-0708				RJA	BY
				9/2/2022	DATE
				REVISED FOR MD COMMENTS	DESCRIPTION
			A	REV	

 PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 28935 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com		The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617	
		TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque SECTIONS - HORIZONTAL - WOOD INSTALLATION	
		PREPARED BY:	
		DRAWN BY: RJA	DATE: 10/24/2022
		SCALE: N.T.S.	DRAWING NO: DSA0011
		REV: A	SHEET: 12A OF 17

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

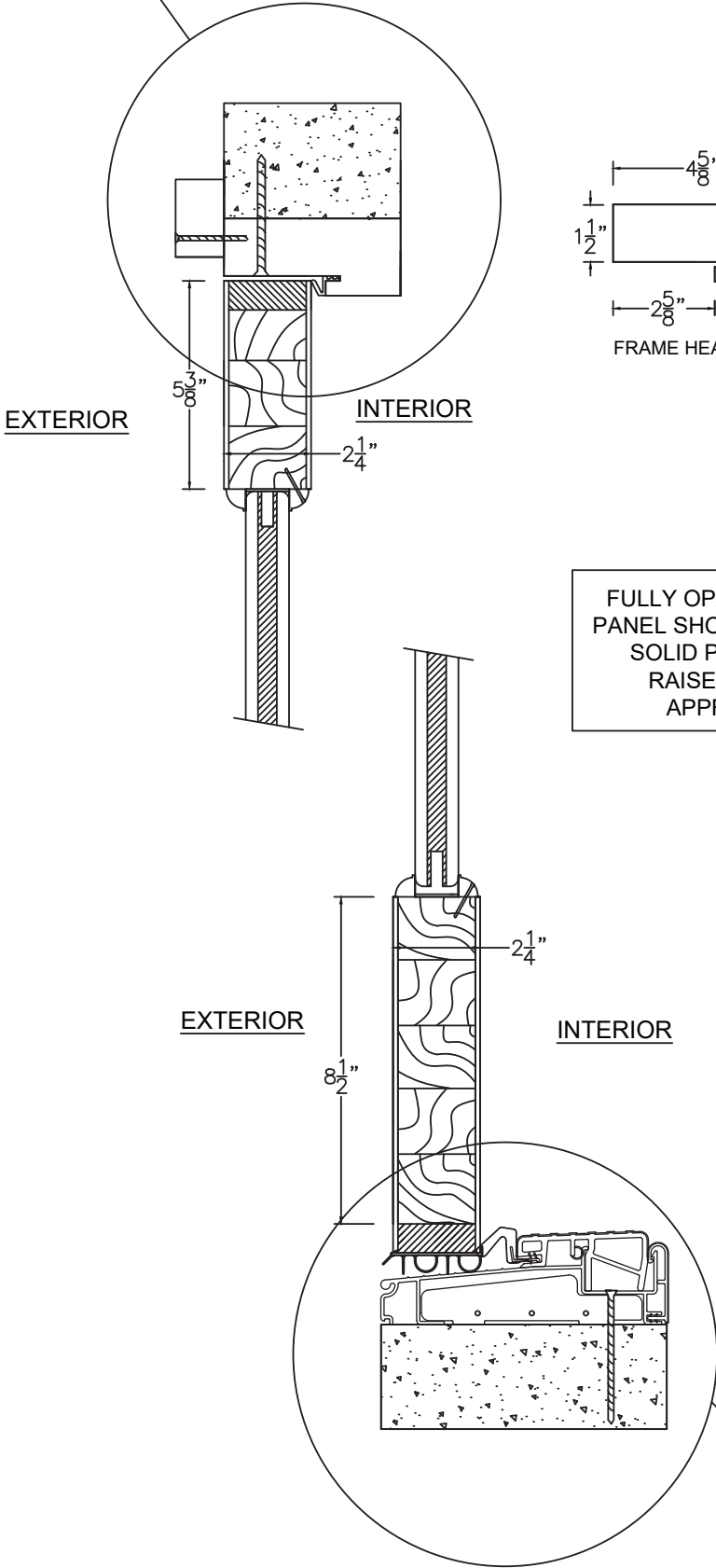
SECTIONS
XX DOOR VERTICAL VIEWS
CONCRETE INSTALLATION

3
8

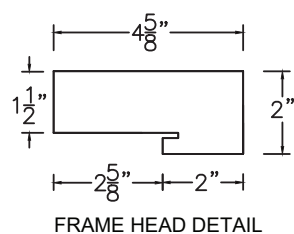


A STILE DOOR SECTION
CONCRETE/MASONRY SUBSTRATE
INSTALLATION

5
8



B INFILL DOOR SECTION
CONCRETE/MASONRY SUBSTRATE
INSTALLATION



FULLY OPAQUE DOOR
PANEL SHOWN. OPAQUE
SOLID PANEL AND
RAISED PANEL
APPROVED.

PROJECT #422-0708

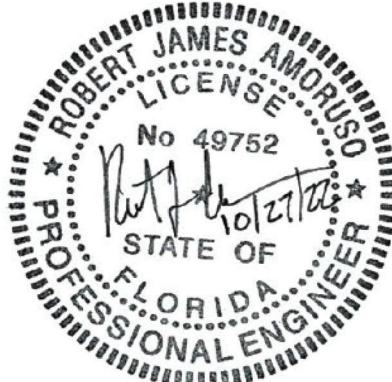
The Door Store of America, Inc.
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque
SECTIONS - VERTICAL - CONCRETE INSTALLATION

DATE:	10/24/2022
DRAWING NO:	DSA0011
SCALE:	N.T.S.
REV:	A
SHEET:	13 OF 17

REV	DESCRIPTION	DATE	BY
A	REVISED FOR MD COMMENTS	9/2/2022	RJA

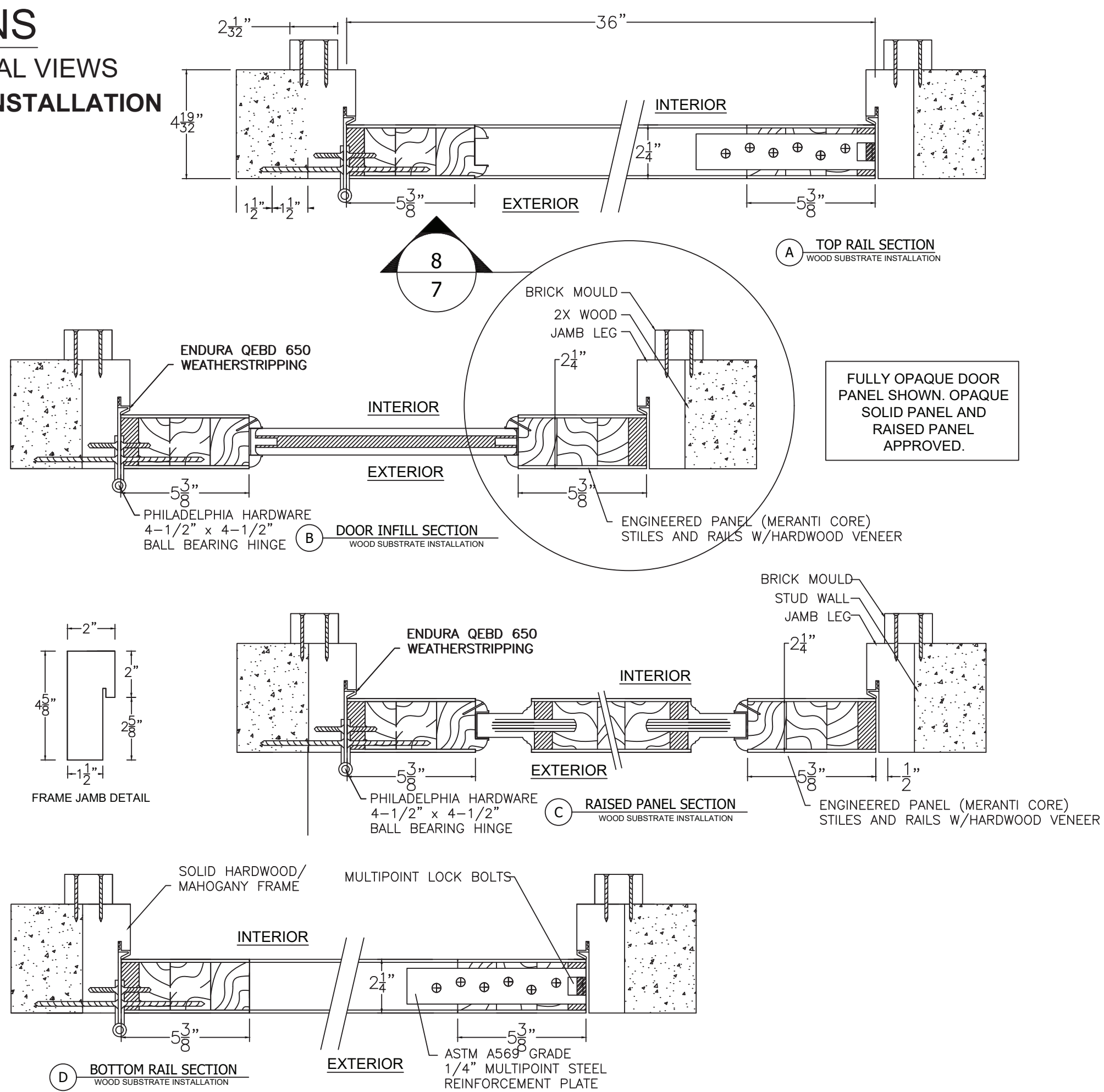
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



SECTIONS

X DOOR HORIZONTAL VIEWS

CONCRETE/MASONRY INSTALLATION



PROJECT #422-0708				RJA	BY
				9/2/2022	DATE
			REVISED FOR MD COMMENTS		
		A	DESCRIPTION		

The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617		DATE:	10/24/2022	DRAWING NO:	DSA0011	SHEET:	14A OF 17
TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque		DRAWN BY:	RJA	SCALE:	N.T.S.	REV:	A
SECTIONS - HORIZONTAL - CONCRETE/MASONRY INSTALLATION		PREPARED BY:					

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGVIEW, TX 75607
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com
FBPE CA, INC. 20335

Robert J. Amoruso, P.E.
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MULTIPOINT LOCK LAYOUT
RECTANGULAR PANELS
SHOWN
ARCH TOP PANELS SAME
(SEE SHEETS 15A, 15B &
15C FOR ADDITIONAL
DETAILS)



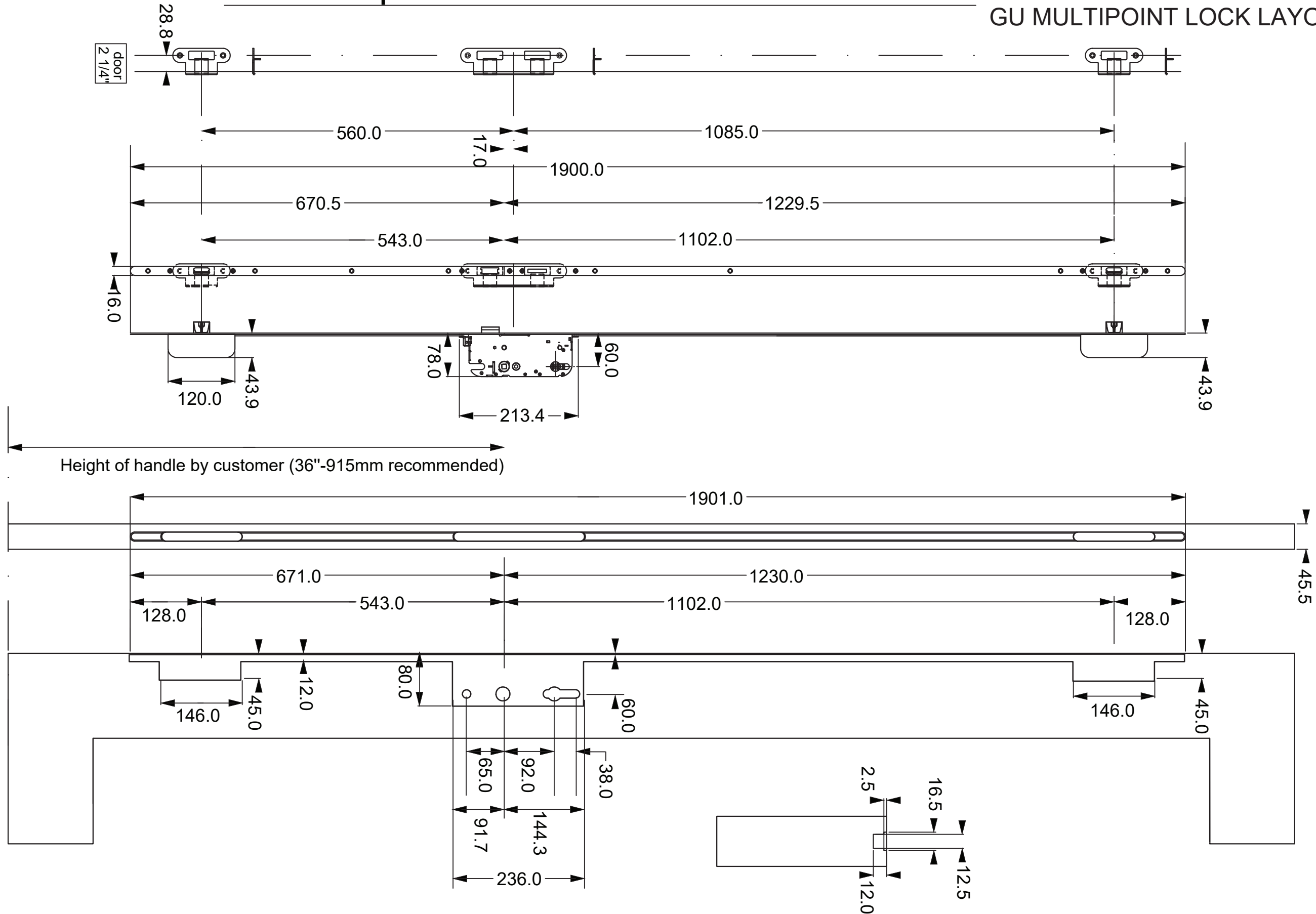
The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617		PROJECT #422-0708	
TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque			
MULTIPOINT LOCK LAYOUT			
PREPARED BY:  PDC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 25935	DRAWN BY: RJA SCALE: N.T.S. REV: A	DATE: 10/24/2022 DRAWING NO: DSA0011 SHEET: 15 OF 17	
		A	REVISED FOR MD COMMENTS
		REV	DESCRIPTION
			DATE
			BY

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



X PANEL RECT. & ARCH TOP DETAILS

GU MULTIPOINT LOCK LAYOUT



PROJECT #422-0708

REV	COMMENTS	DATE	BY
A		9/2/2022	RJA

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

PREPARED BY: _____ DRAWN BY: _____ DATE: _____

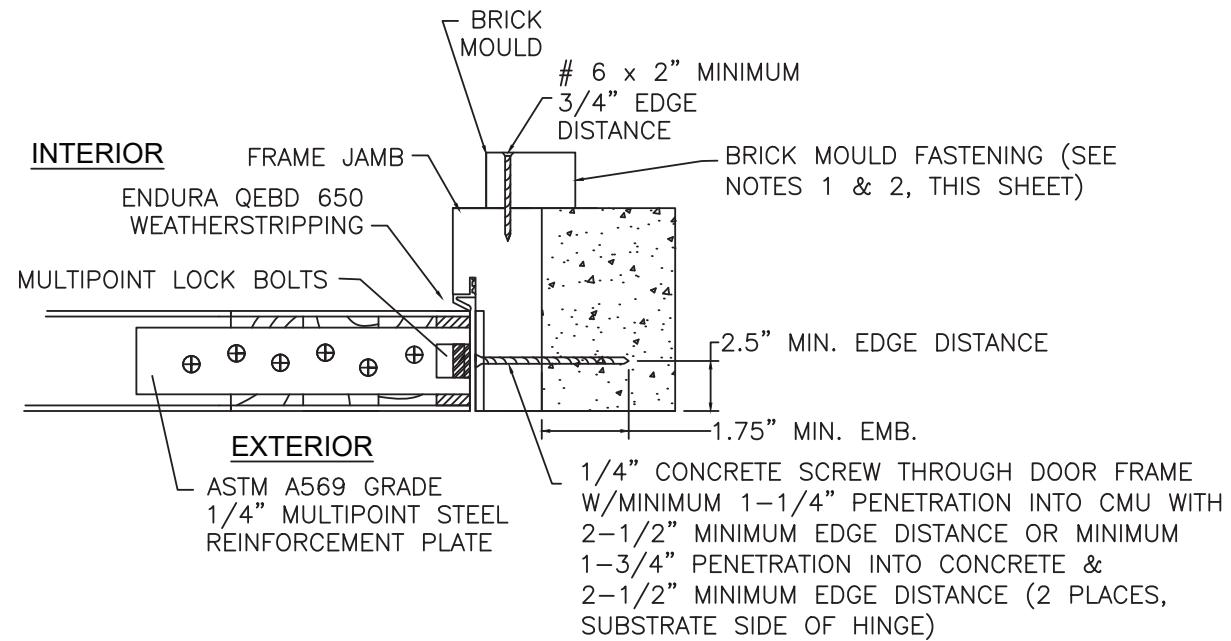
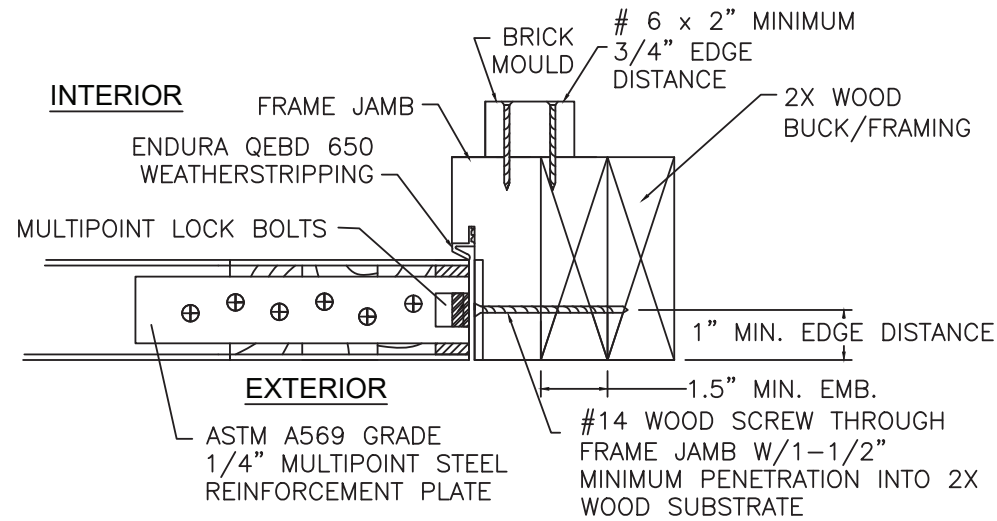
 PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 25955	Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc.com	RJA	10/24/2022
		SCALE:	DRAWING NO:
	REV:	N.T.S.	DSA0011
	SHEET:	A	15B OF 17

PDC
PDC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
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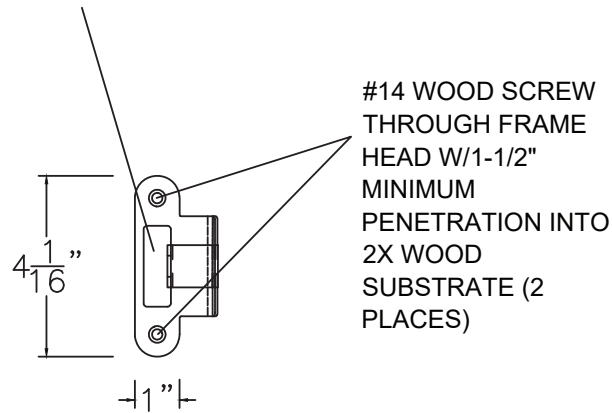


X PANEL RECT. & ARCH TOP DETAILS GU MULTIPOINT LOCK INSTALLATION

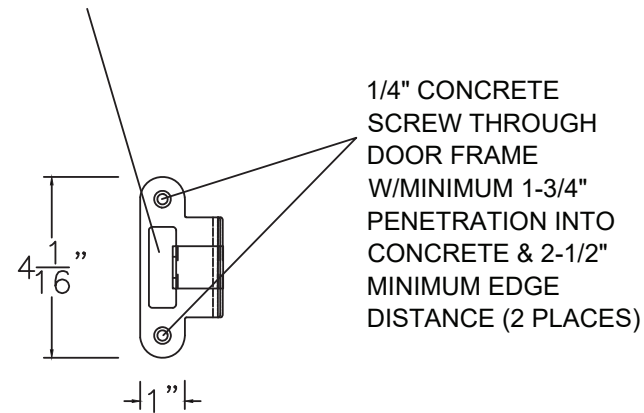
NOTES:

- 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.

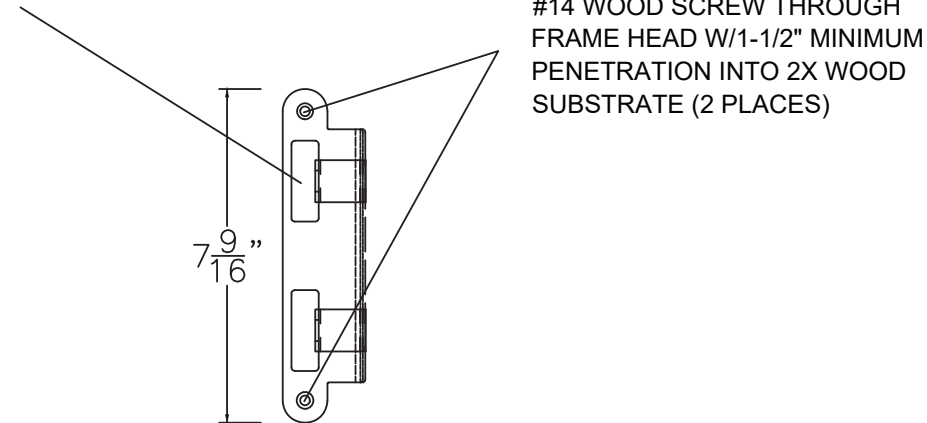
MULTIPOINT HEAD & FOOT BOLTS ENGAGE INTO PLATE



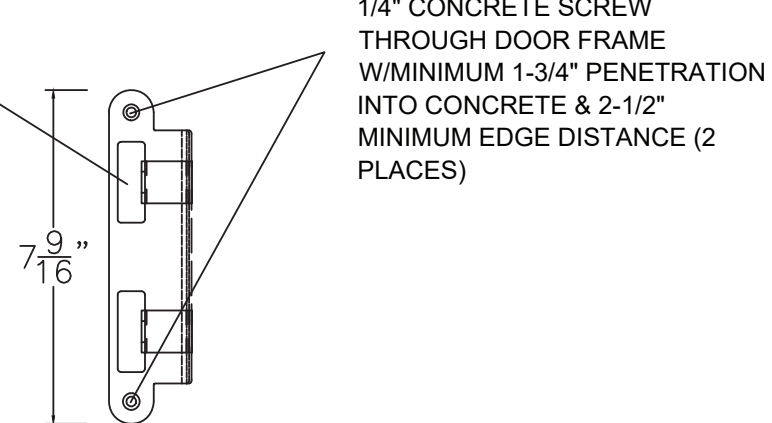
MULTIPOINT HEAD & FOOT BOLTS ENGAGE INTO PLATE



MULTIPOINT LOCK BOLTS ENGAGE INTO PLATE



MULTIPOINT LOCK BOLTS ENGAGE INTO PLATE



Strike Plate Detail in Wood

Strike Plate Detail in Concrete

Strike Plate Details for GU Multipoint Strike Plates at Lock Set
and Head/Foot Bolts

PROJECT #422-0708

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

TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque
MULTIPOINT LOCK LAYOUT

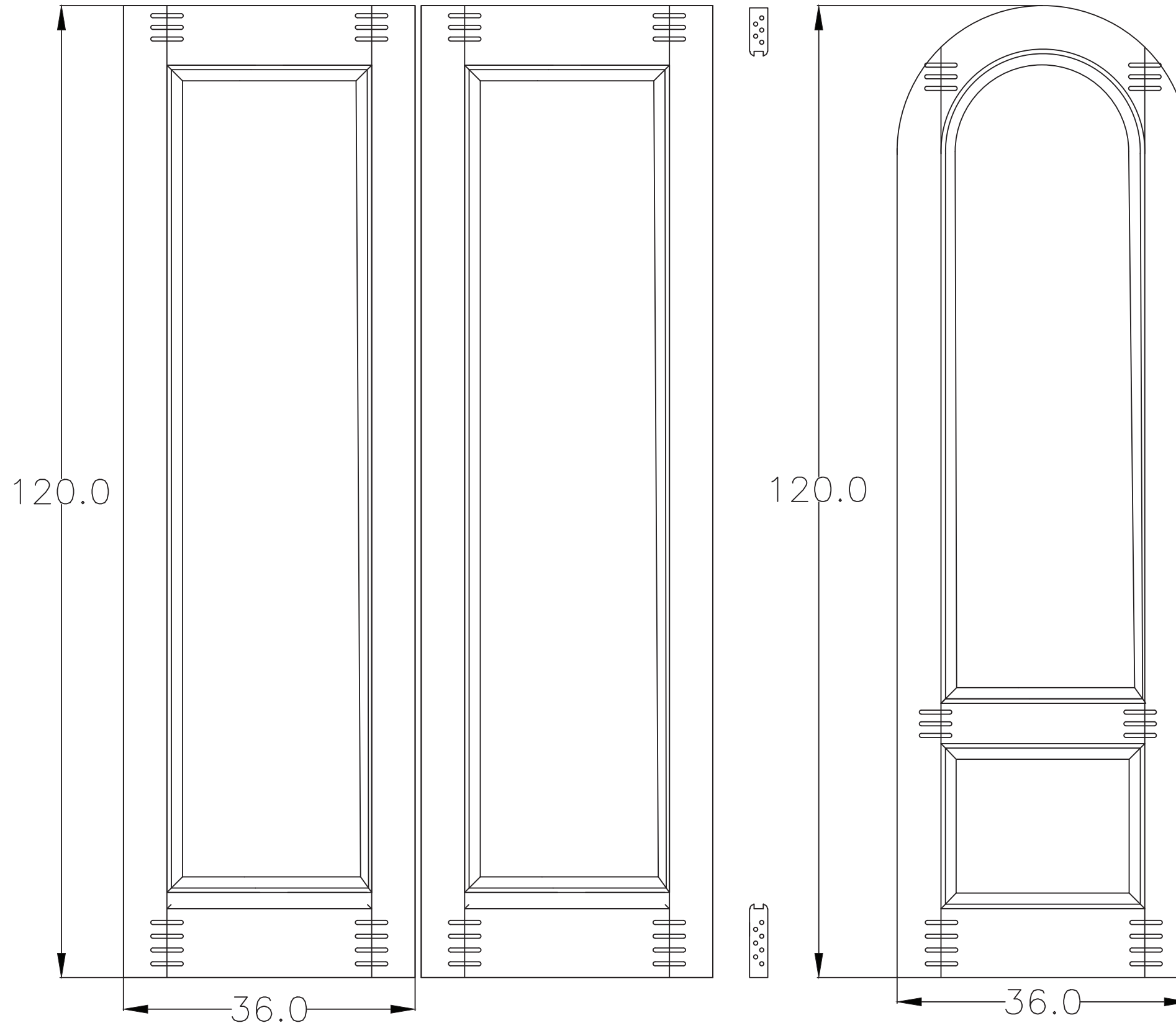
DATE:	10/24/2022
DRAWING NO:	DSA0011
SHEET:	15C OF 17
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	A

PTC PRODUCT DESIGN GROUP, LLC
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FBPE C.A. NO. 26335

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XX & X RECTANGULAR PANEL CONSTRUCTION (XX ARCH TOP PANEL SIMILAR) - DOWEL LOCATION
X ARCH TOP PANEL CONSTRUCTION - DOWEL LOCATION



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

Natefigli, INC 27017	
TITLE	Complete Collection, Single and Double Doors, Outswing, Opaque PANEL CONSTRUCTION - MULTIPOINT LOCK DETAIL
DESIGNED BY	POSITION
DATE	

PREPARED BY:

DRAWN BY:

DATE: _____

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935

Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com

SCALE:

DRAWING NO:

DRAWING NO:

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REVISED FOR M

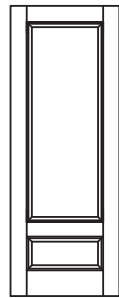
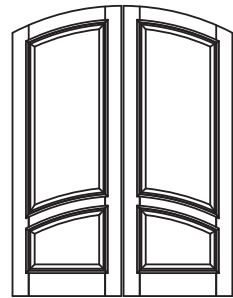
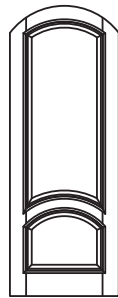
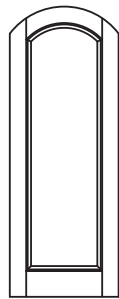
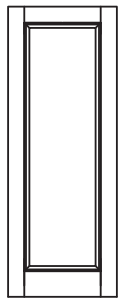
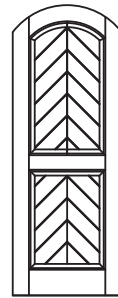
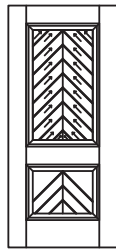
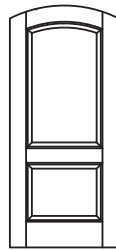
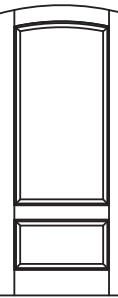
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Robert J. Amoruso, P.E.
Florida P.E. No. 49752



MAXIMUM FRAME, DOOR PANEL AND DLO SIZES SHOWN ON SHEETS 2, 2A, 2B, 2C AND 2D MUST BE MET.

[illegible]

Full Views

The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617	
TITLE: Complete Collection, Single and Double Doors, Outswing, Opaque	
APPROVED CONFIGURATIONS	
PREPARED BY:	DATE: 10/24/2022
	DRAWN BY: RJA
PDC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 25935	SCALE: N.T.S.
Phone: 321.690.1788 Fax: 321.690.1789 Email: info@pdc-corp.com	DRAWING NO: DSA0011
	REV: A
	SHEET: 17 OF 17

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

APPROVED CONFIGURATIONS

PREPARED BY:	DRAWN BY:	DATE:

BIA

SCALE:	DRAWING NO:
NTS	DSA

17 OF 17

NTS.

A

PDC
PTC PRODUCT DESIGN GROUP, LLC
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