

The Door Store of America, Inc.

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

INSTALLATION ANCHORAGE DETAILS

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: HYDROSILL 2200 SERIES FOR INSWING BY SCHLEGEL

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, 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).

PERFORMANCE RATING			
MAXIMUM UNIT DIMENSIONS	DESIGN PRESSURE RATING (PSF)	WATER PENETRATION RATING	IMPACT RATING
76" X 123-1/16" XX INSWING - RECTANGULAR 76-1/8" X 122-7/8" XX INSWING - ARCH TOP 39-1/4" X 122-7/8" X INSWING - RECTANGULAR 39-1/4" X 122-7/8" X INSWING - 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

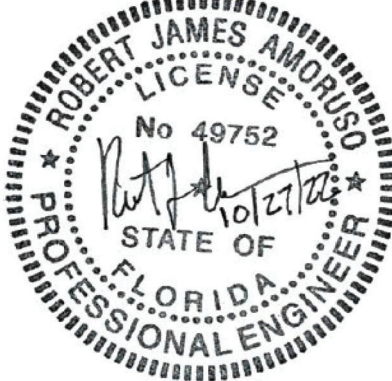
TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque
NOTES - GENERAL & INSTALLATION

DRAWN BY:	RJA	DATE:	10/24/2022
SCALE:	N.T.S.	DRAWING NO:	DSA0010
REV:	A	SHEET:	1 OF 17

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PREPARED BY:

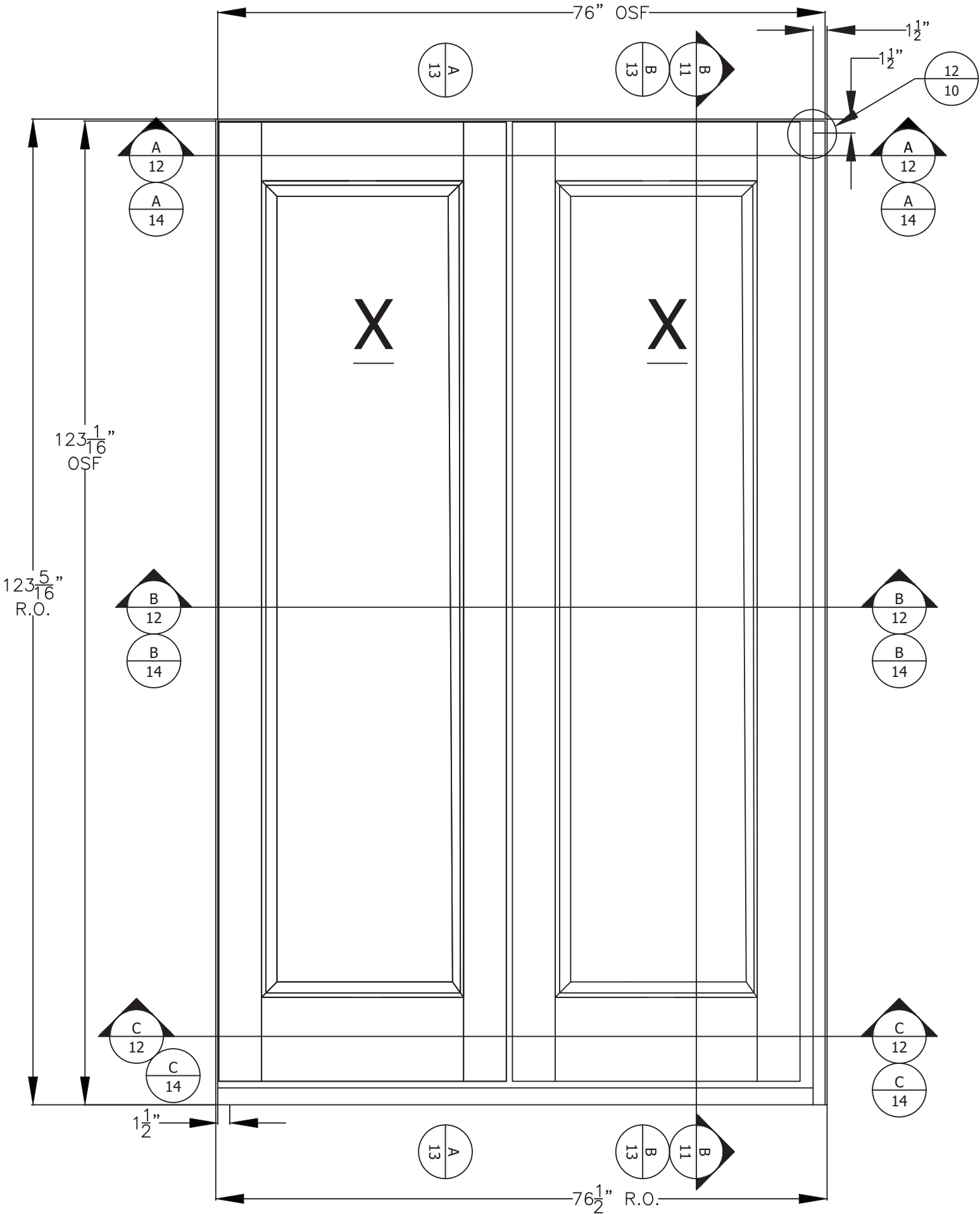
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



XX RECTANGULAR
OPAQUE
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. 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, Inswing, Opaque
XX RECTANGULAR ELEVATION

PREPARED BY:

DRAWN BY: RJA

SCALE: N.T.S.

REV: A

DATE: 10/24/2022

DRAWING NO: DSA0010

SHEET: 2 OF 17

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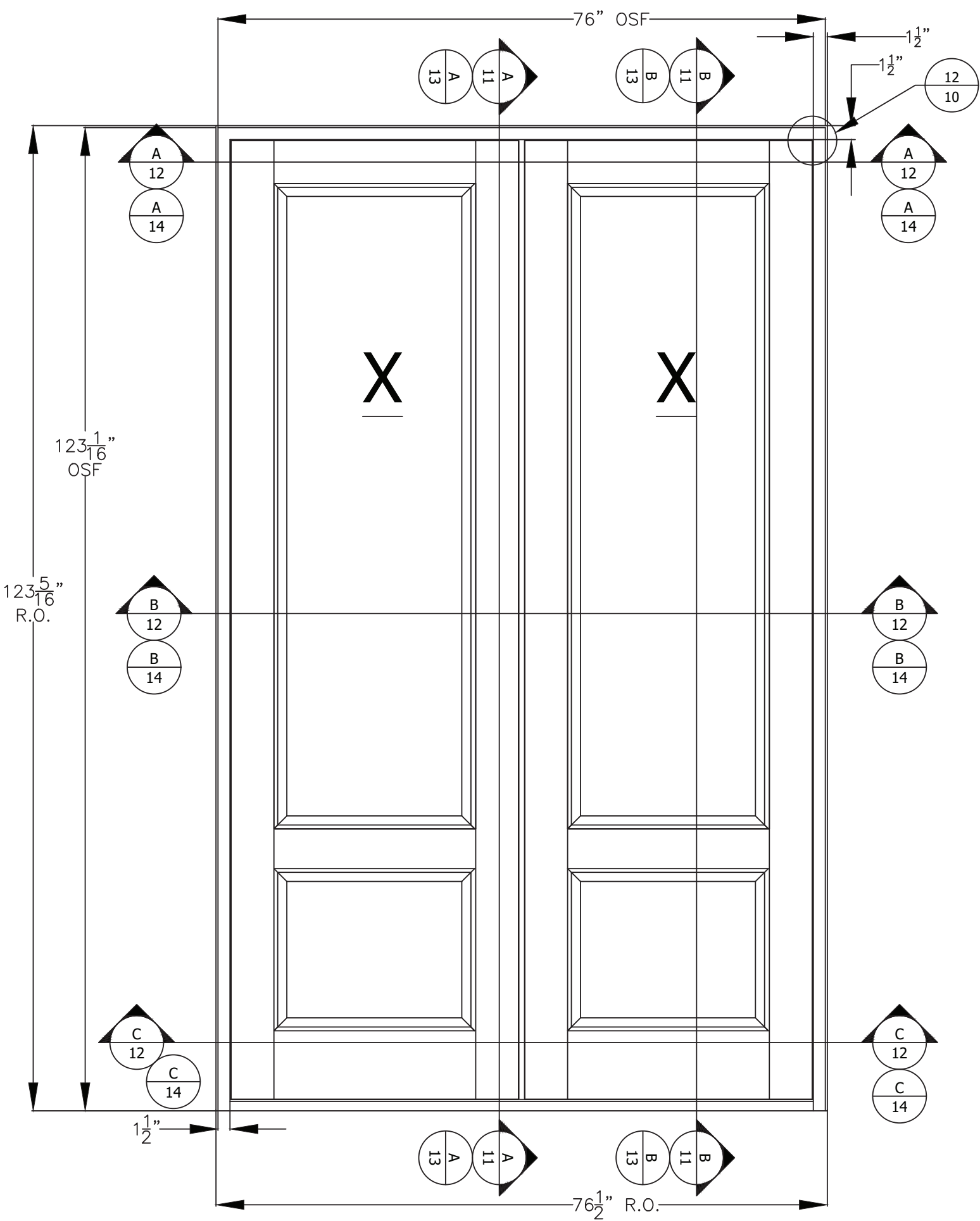
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XX RECTANGULAR
OPAQUE WITH PARTIAL
RAISED PANELS
ELEVATION
EXTERIOR

PRODUCT LIMITATIONS:

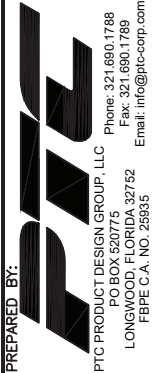
- 1. MAXIMUM OVERALL (O.A.) FRAME SIZE
 - 1.1. 76-1/8" X 122-7/8"
- 2. MAXIMUM PANEL SIZE
 - 2.1. 36" X 120"
- 3. MINIMUM PANEL THICKNESS
 - 3.1. 2-1/4" (NOMINAL)
- 4. PARTIAL OPAQUE RAISED PANEL INFILLS SHOWN.
- 5. SEE SHEET 17 FOR ADDITIONAL APPROVED CONFIGURATIONS.
- 6. SEE SHEET 2D FOR PANEL RAIL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



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

TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque
XX PARTIALLY GLAZED RECTANGULAR ELEVATION

DATE:	10/24/2022
DRAWING NO:	DSA0010
SHEET:	2A OF 17
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	A



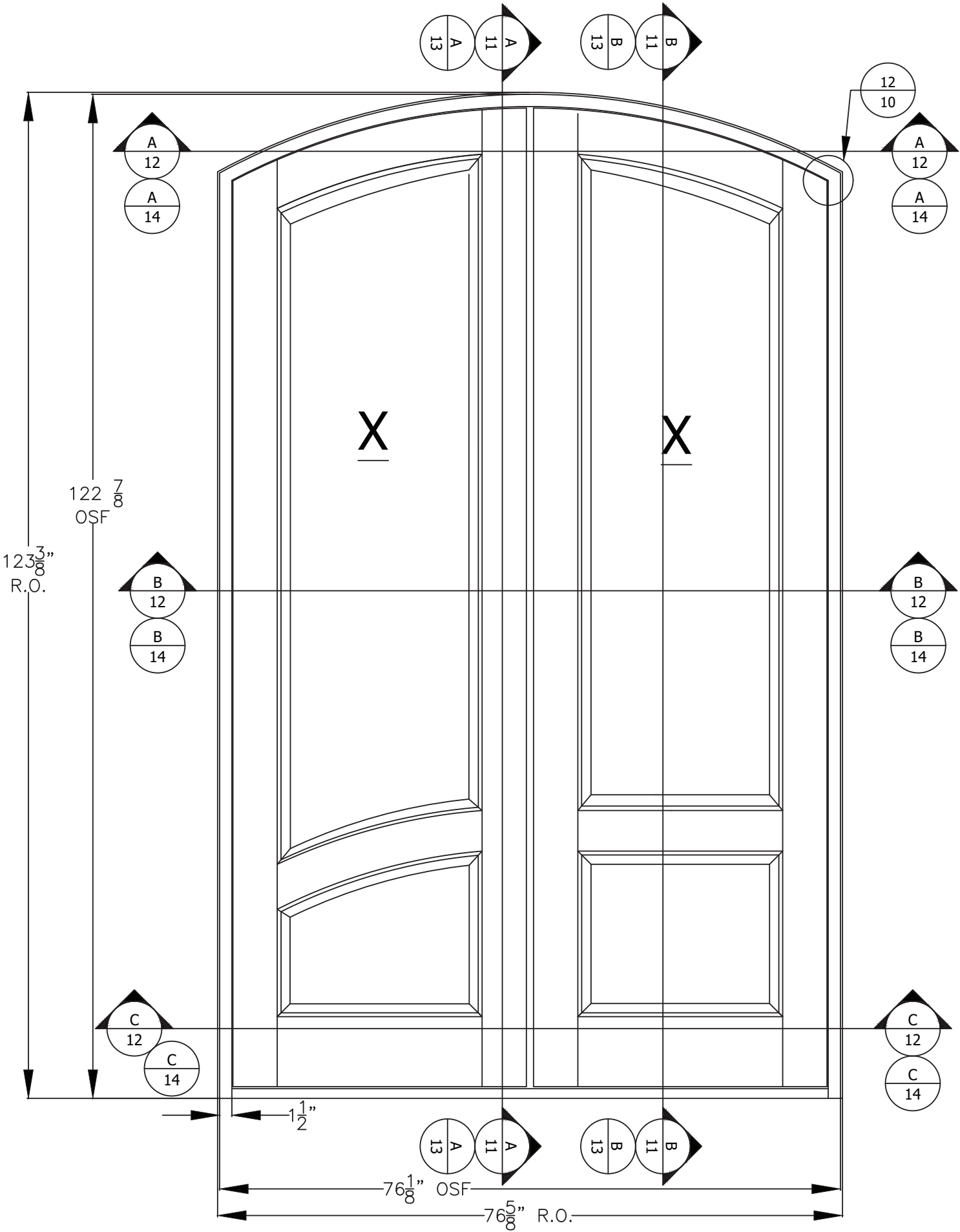
Robert J. Amoruso, P.E.
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XX ARCH TOP
OPAQUE WITH
PARTIAL RAISED
PANELS
ELEVATION
EXTERIOR

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.

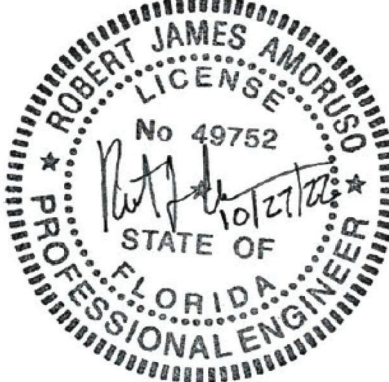


The Door Store of America, Inc.
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Raleigh, NC 27617

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

PREPARED BY:	DRAWN BY:	DATE:	10/24/2022
PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FL 32075	RJA	SCALE:	10/24/2022
Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com	N.T.S.	DRAWING NO:	DSA0010
	REV:	SHEET:	2B OF 17

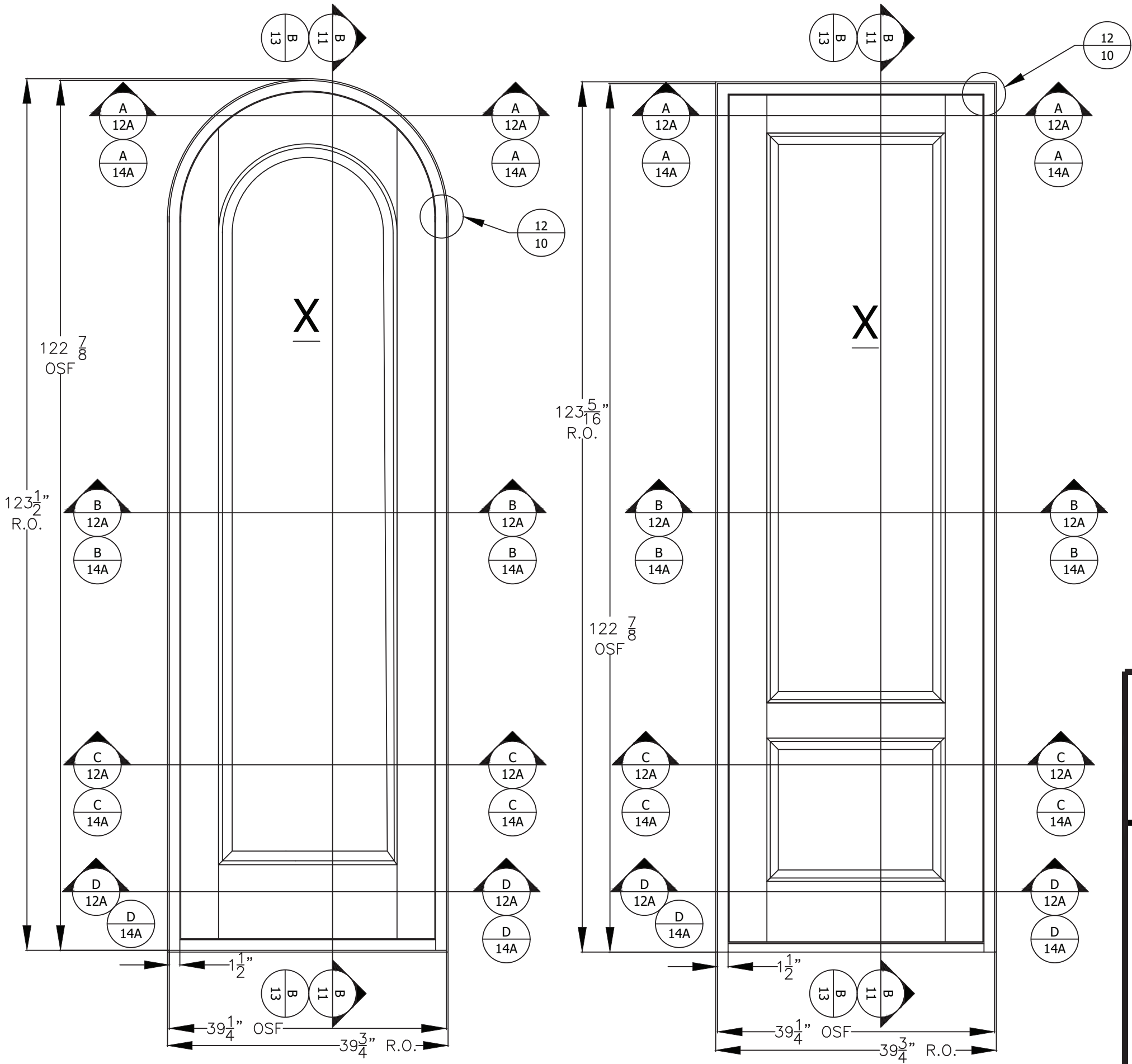
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



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, Inswing, Opaque
X PARTIALLY GLAZED RECTANGULAR AND ARCH TOP ELEVATIONS

DATE:	10/24/2022
DRAWING NO:	DSA0010
SCALE:	N.T.S.
REV:	A
SHEET:	2C OF 17

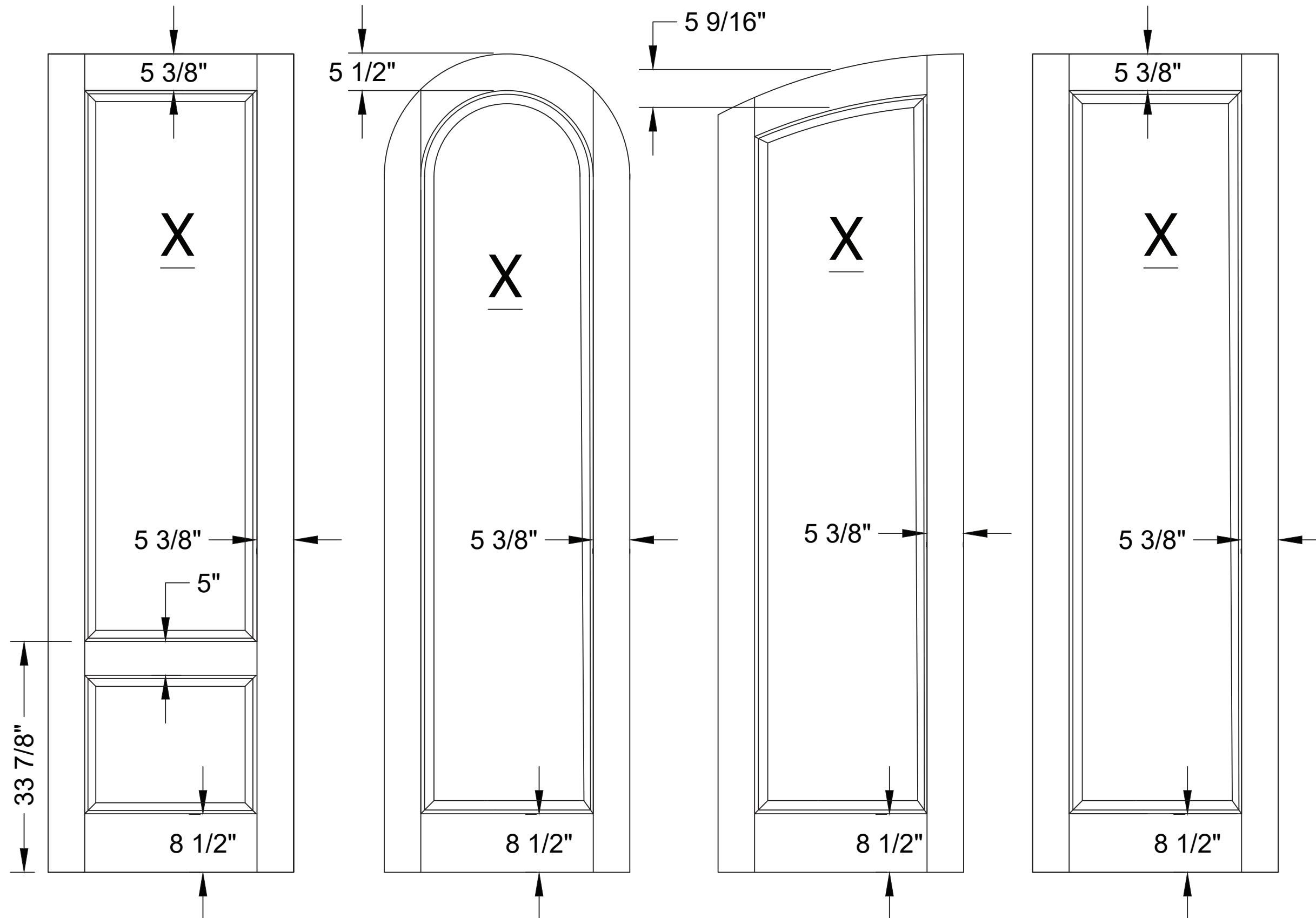
REV	DESCRIPTION	DATE	BY
A	REVISED FOR MD COMMENTS	9/2/2022	RJA

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RAIL AND STILE SIZES

EXTERIOR



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

Raleigh, NC 27617

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

PREPARED BY:	DRAWN BY:	DATE:
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PREPARED BY:		DRAWN BY:	RJA	DATE:	10/24/2022
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 DRAWING NO: DSA0010
 SCALE: REV: SHEET:

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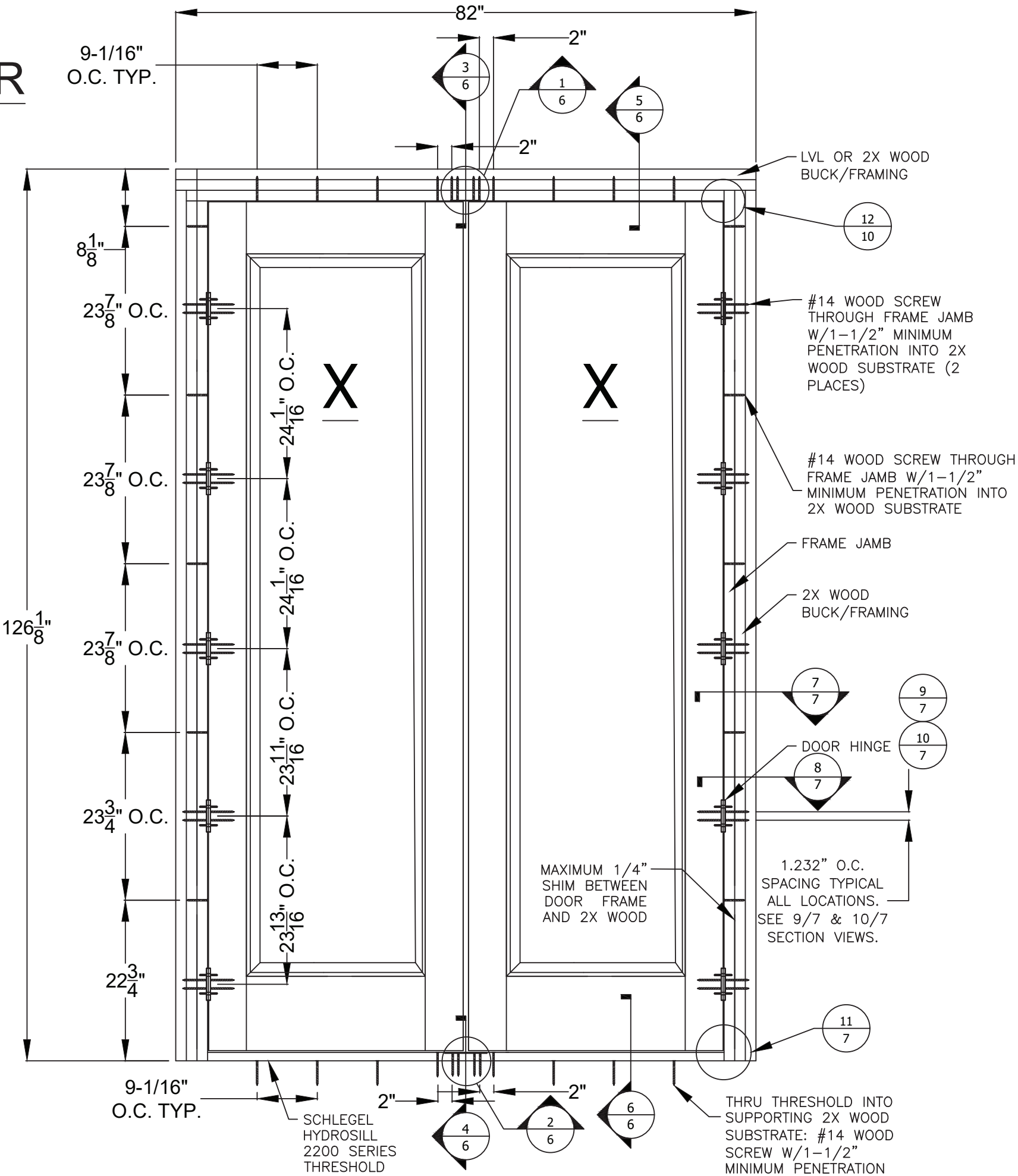


PROJECT #422-0708

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, Inswing, Opaque
ELEVATION - ANCHOR LAYOUT - WOOD

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DRAWN BY: RJA
SCALE: N.T.S.
REV: A
DATE: 10/24/2022
DRAWING NO: DSA0010
SHEET: 3 OF 17

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

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



2X WOOD BUCK/FRAMING INSTALLATION



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

PREPARED BY: _____ **DRAWN BY:** _____ **DATE:** _____

PREPARED BY:

PDL

OPTIC PRODUCT DESIGN GROUP, LLC
PO BOX 620775
LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935

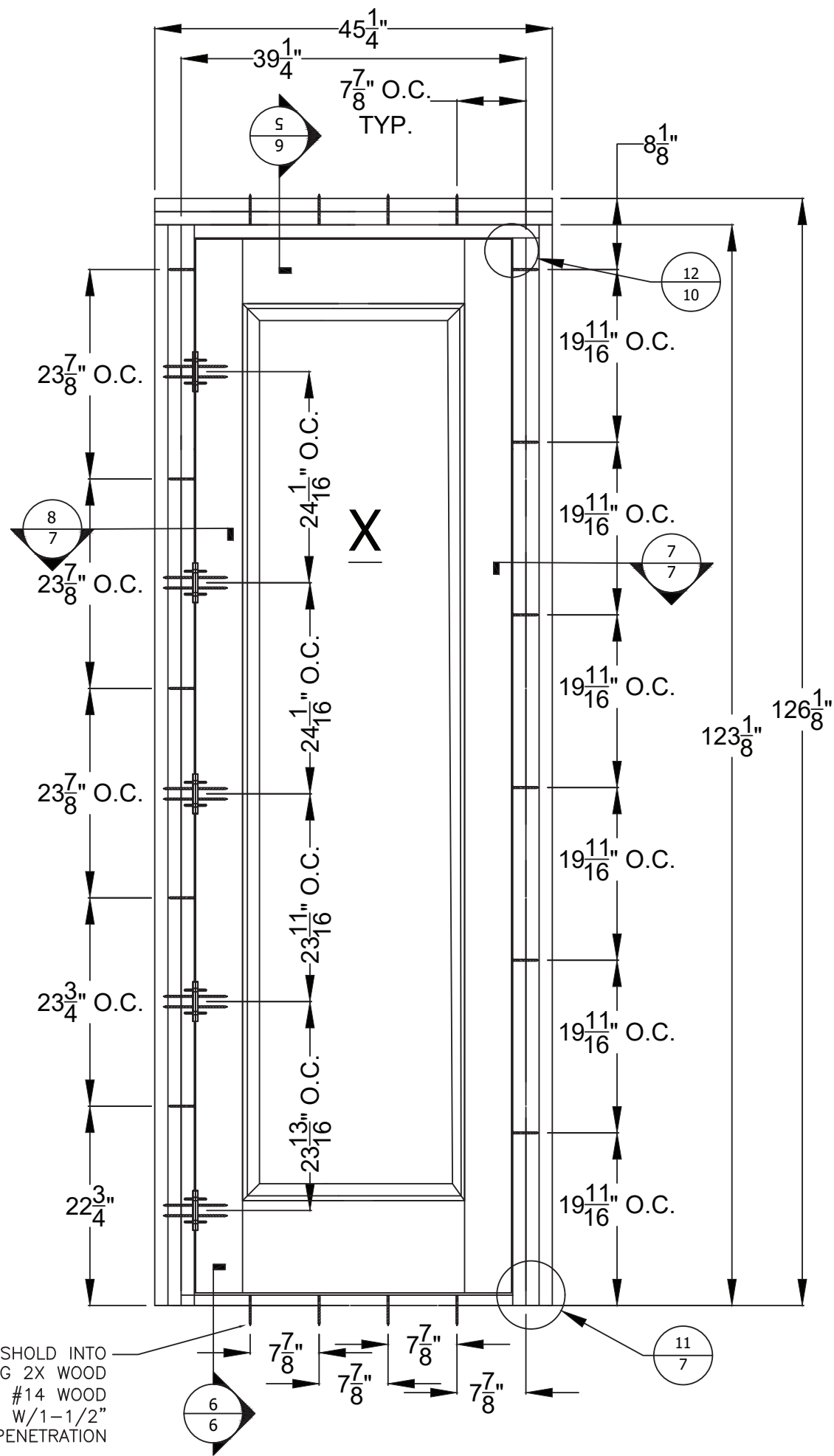
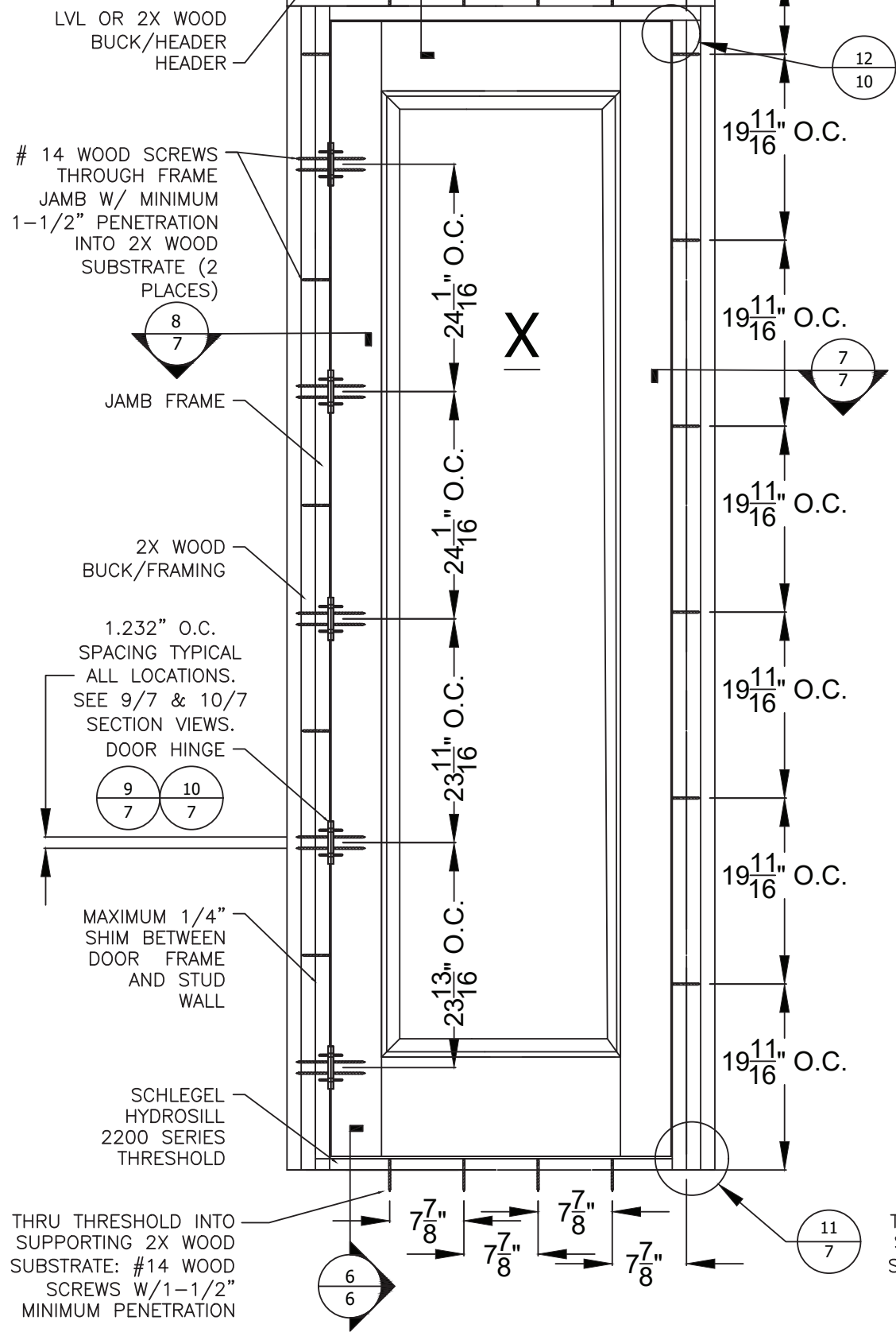
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DATE:	10/24/2022
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	A
DRAWING NO:	DSA0010
SHEET:	3A OF 17

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

PROJECT #422-0708

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, Inswing, Opaque
ELEVATION - ANCHOR LAYOUT - WOOD

PREPARED BY:

DRAWN BY: RJA

DATE: 10/24/2022

SCALE: N.T.S.

DRAWING NO: DSA0010

REV: A

SHEET: 3B OF 17

REVISED FOR MD
COMMENTS

DESCRIPTION

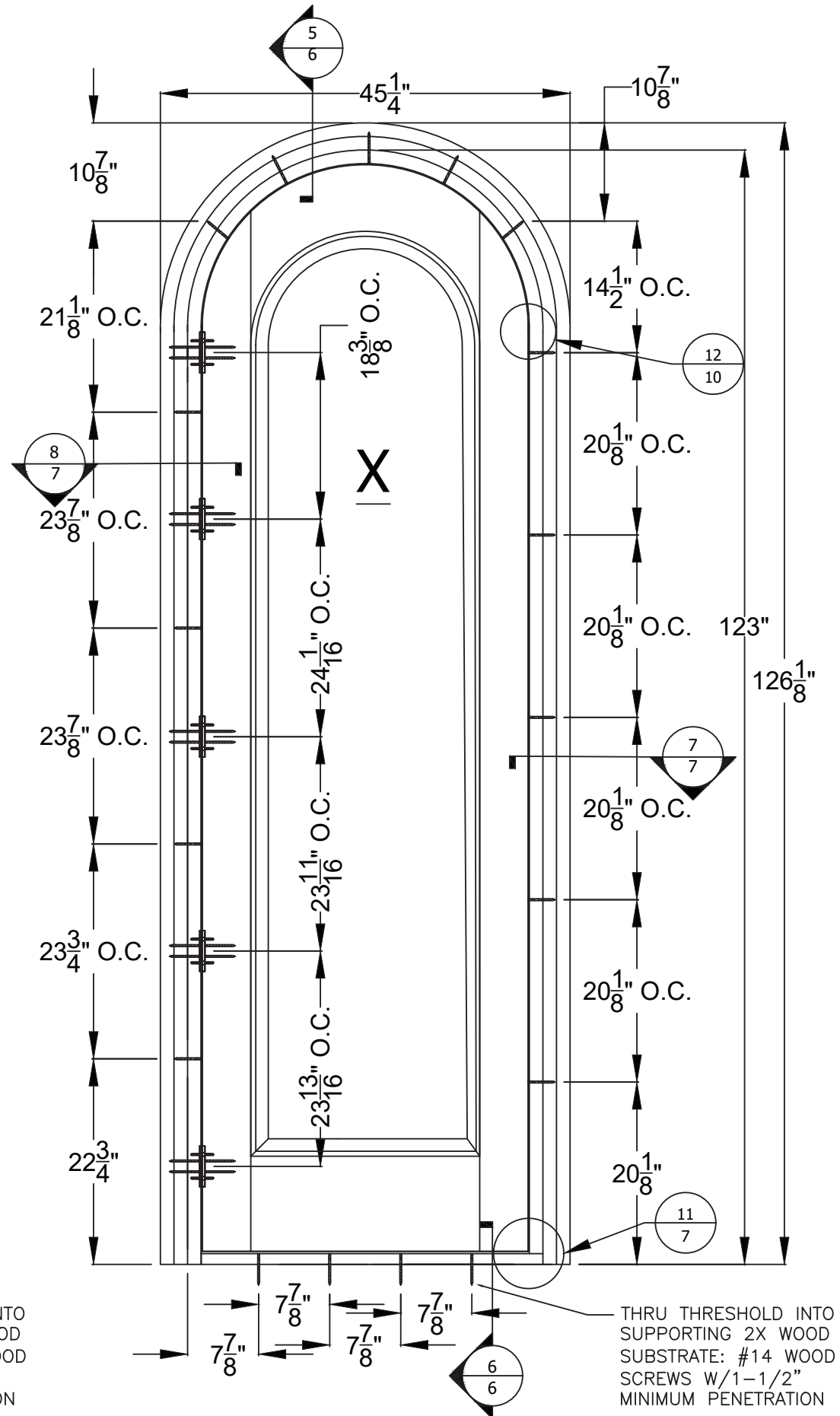
DATE

BY

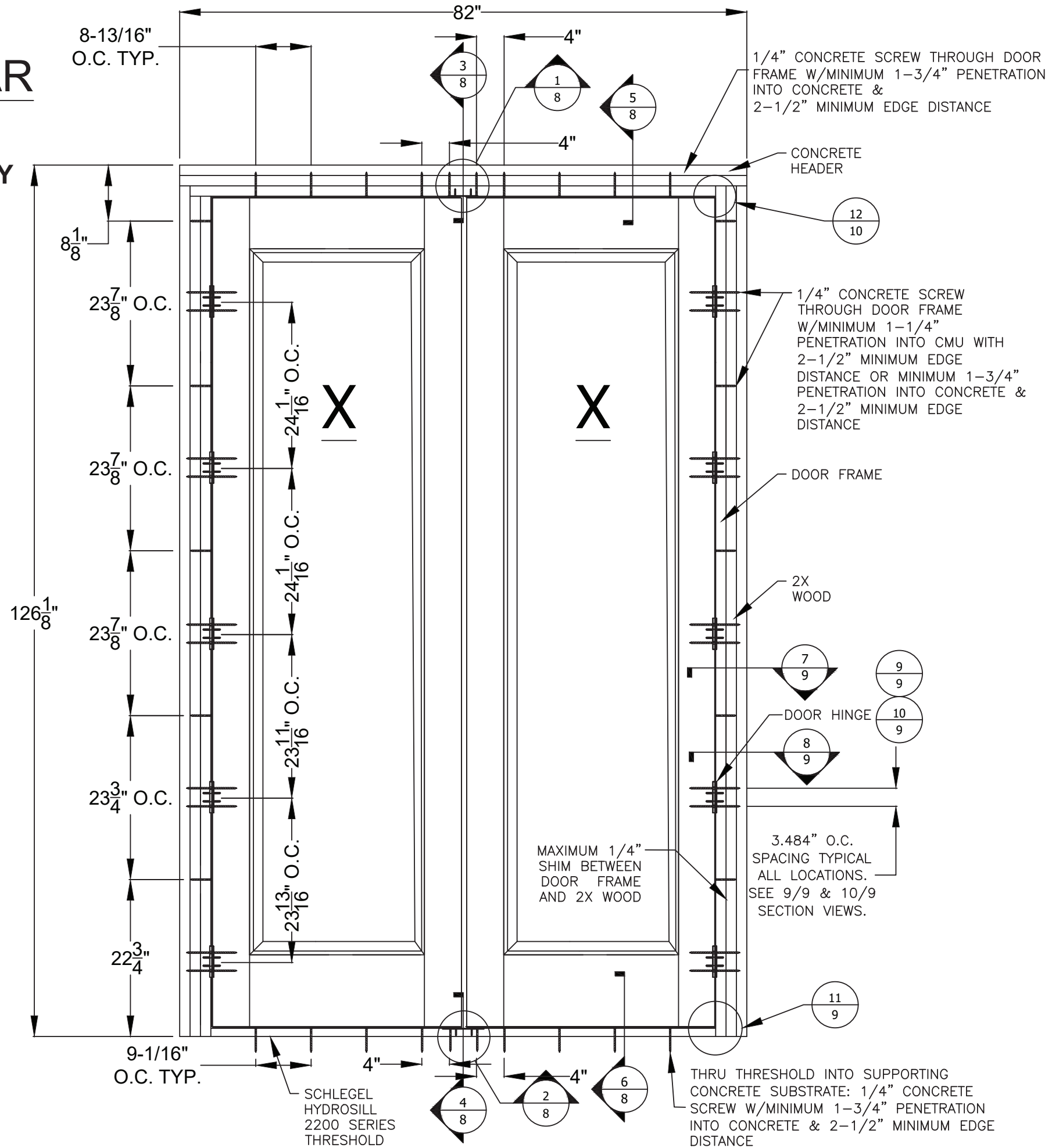
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Florida P.E. No. 49752



2X WOOD BUCK/FRAMING INSTALLATION



XX
RECTANGULAR
ELEVATION
CONCRETE/MASONRY
INSTALLATION



PROJECT #422-0708

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10681 World Trade Blvd
Raleigh, NC 27617

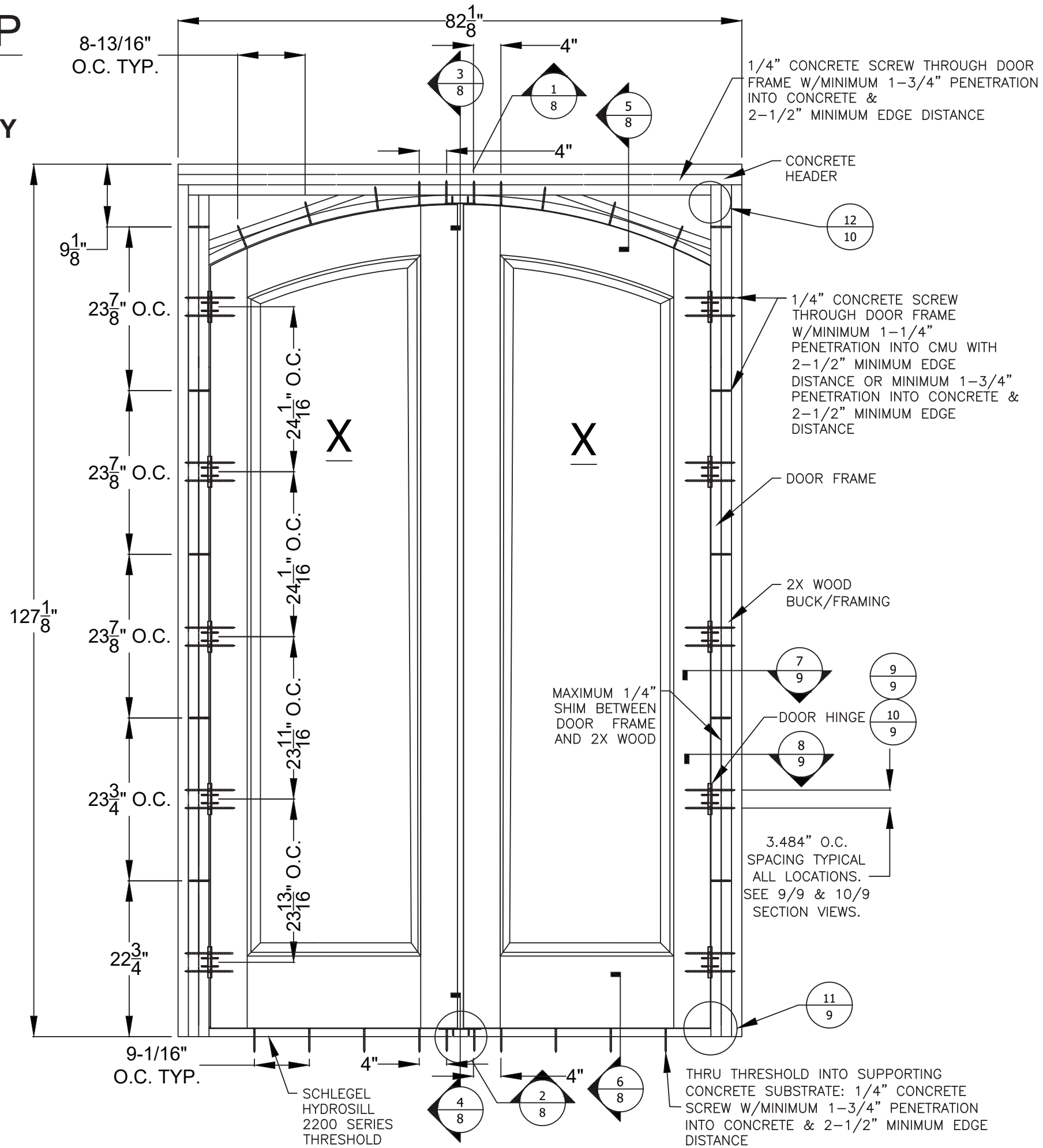
TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque
 ELEVATION - ANCHOR LAYOUT - CONCRETE/MASONRY
 PREPARED BY: _____ DRAWN BY: _____ DATE: _____

PREPARED BY:		DRAWN BY:	RJA	DATE:	10/24/2022				
PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 25935		SCALE:	N.T.S.	DRAWING NO:	DSA0010			REVISED FOR MD COMMENTS	RJA
Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com		REV:	A	SHEET:	4 OF 17	REV		DESCRIPTION	DATE
									9/2/2022
									BY

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



XX ARCH TOP ELEVATION CONCRETE/MASONRY INSTALLATION



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10681 World Trade Blvd
Raleigh, NC 27617

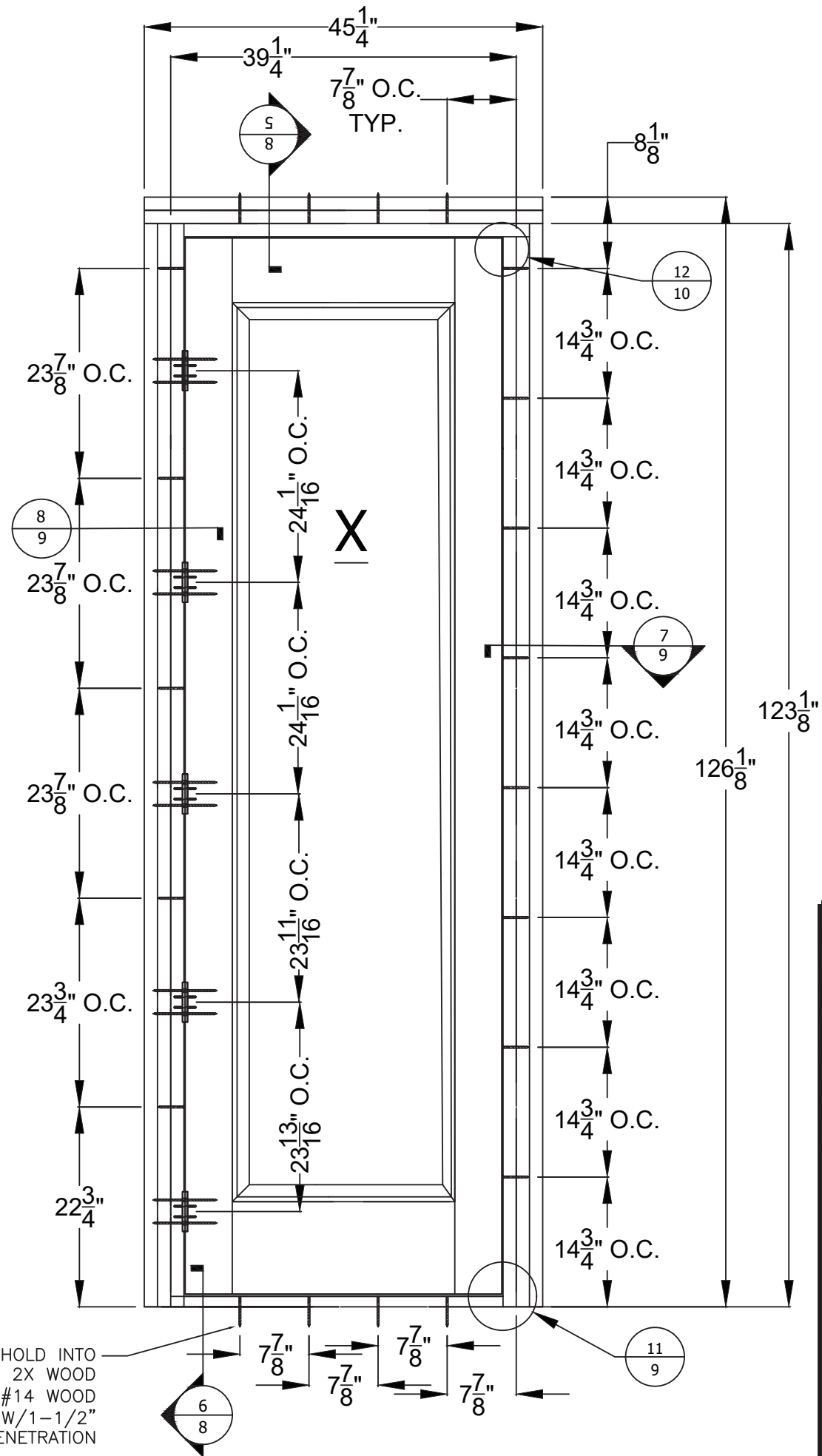
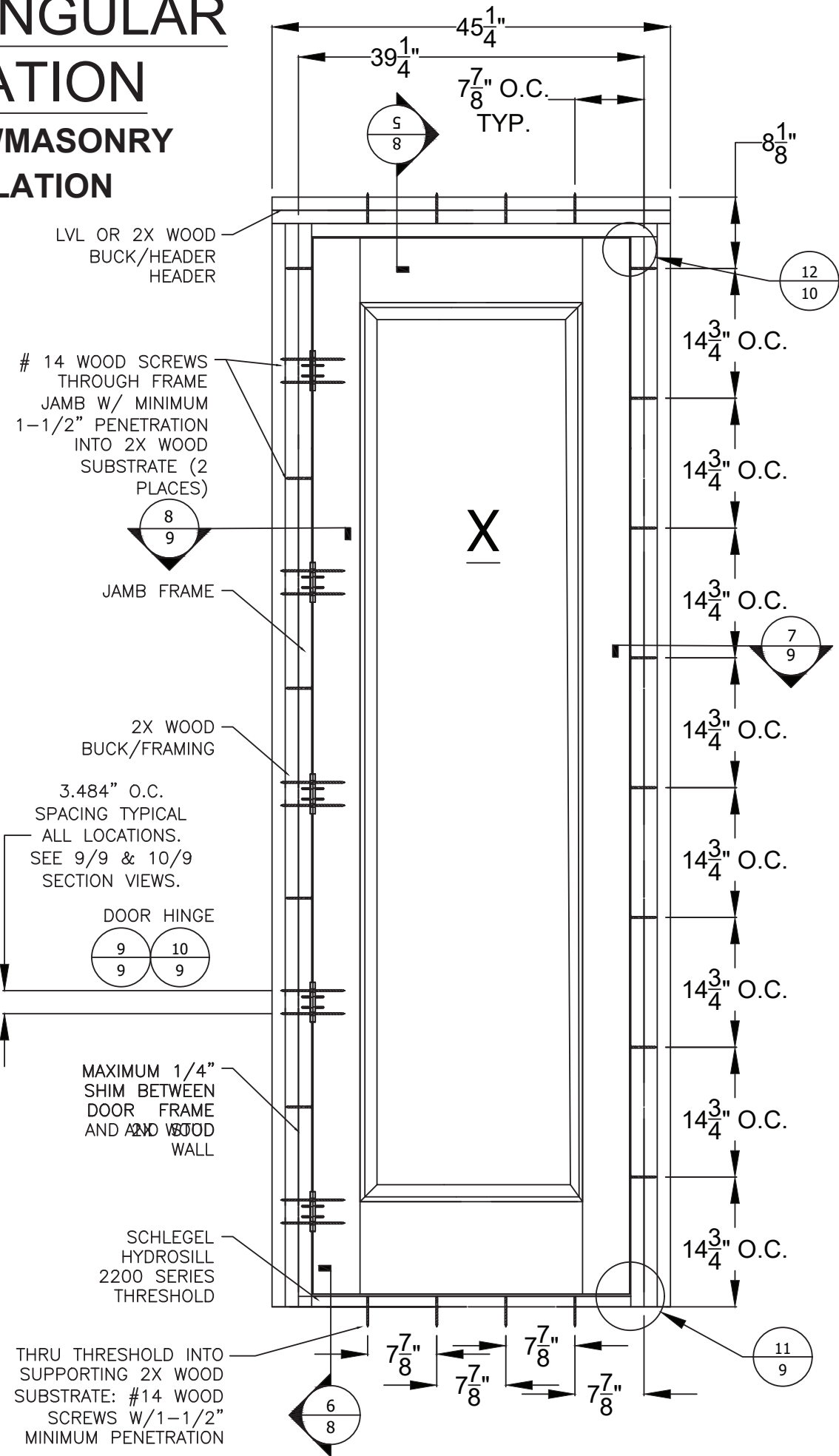
TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque
ELEVATION - ANCHOR LAYOUT - CONCRETE/MASONRY

PREPARED BY: _____	DRAWN BY: _____	DATE: _____
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[illegible]

X RECTANGULAR ELEVATION

CONCRETE/MASONRY INSTALLATION



PROJECT #422-0708

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

TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque
 ELEVATION - ANCHOR LAYOUT - CONCRETE/MASONRY
 PREPARED BY: DRAWN BY: DATE:

DATE: 10/24/2022

SCALE: _____ DRAWING NO: _____

PTC PRODUCT DESIGN GROUP, LLC	N.T.S.	DSA0010
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REV: A
SHEET: 4B OF 17

FBI U.S. NO. 23953

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

SCHLEGEL
HYDROSILL
2200 SERIES
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

The Door Store of America, Inc.

10681 World Trade Blvd

Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque

ELEVATION - ANCHOR LAYOUT - CONCRETE/MASONRY

PREPARED BY:

DRAWN BY: RJA

DATE: 10/24/2022

SCALE: N.T.S.

DRAWING NO: DSA0010

REV: A

SHEET: 4C OF 17

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775 LONGVIEW, TX 75607-0775
Phone: 321.690.1788 Fax: 321.690.1789
Email: info@ptc-corp.com FBPE CA, INC. 26935

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



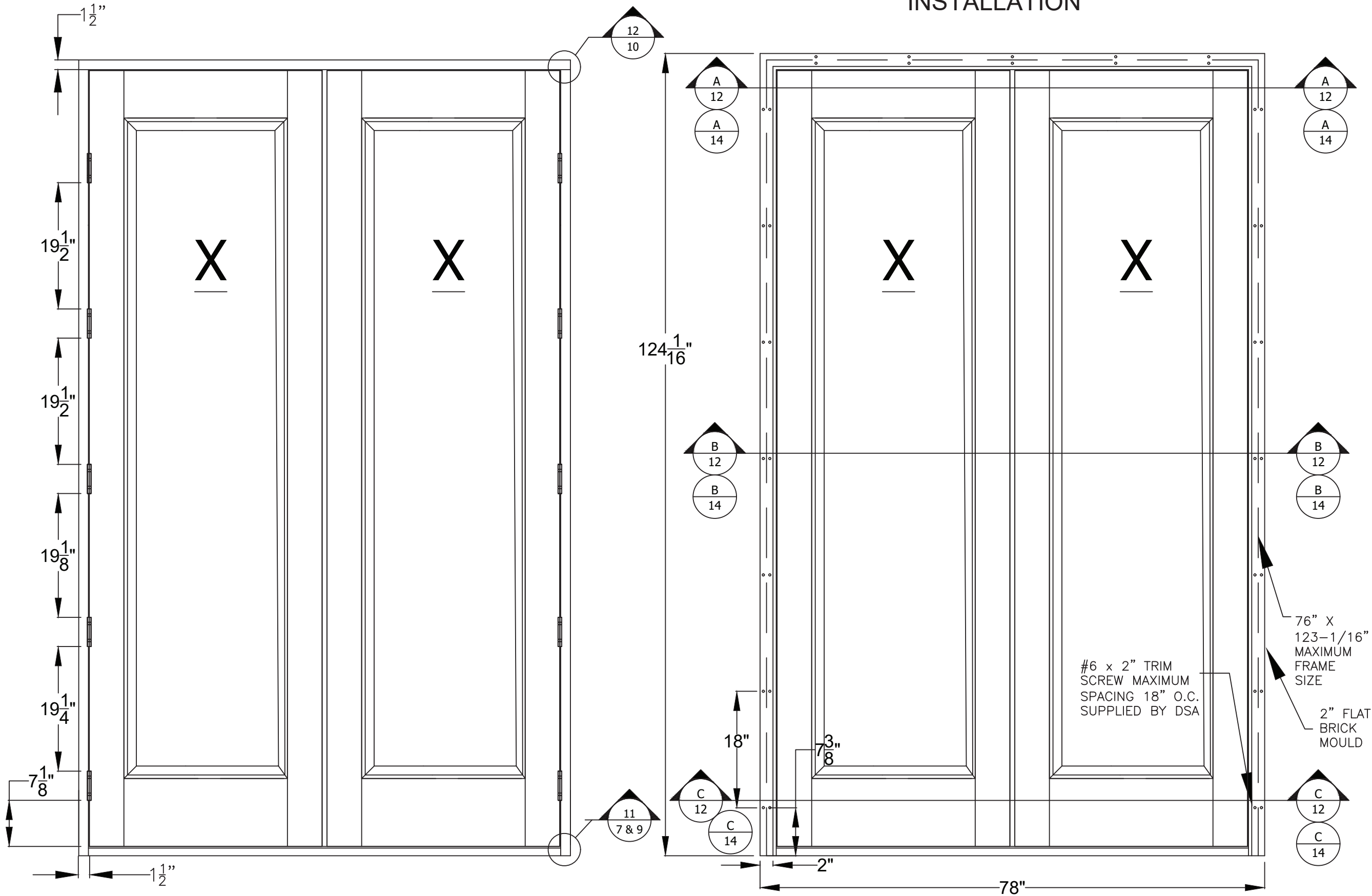
PROJECT #422-0708

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

ELEVATION
XX HINGE LOCATION

RECTANGULAR
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, Inswing, Opaque

ELEVATIONS - HINGES & BRICK MOULD

PREPARED BY:

PTC PRODUCT DESIGN GROUP, LLC

PO BOX 520775 LONGVIEW, TX 75603

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

DRAWN BY: RJA

SCALE: N.T.S.

REV: A

DATE: 10/24/2022

DRAWING NO: DSA0010

SHEET: 5 OF 17

REV A

DESCRIPTION

DATE

BY

RJA

9/2/2022

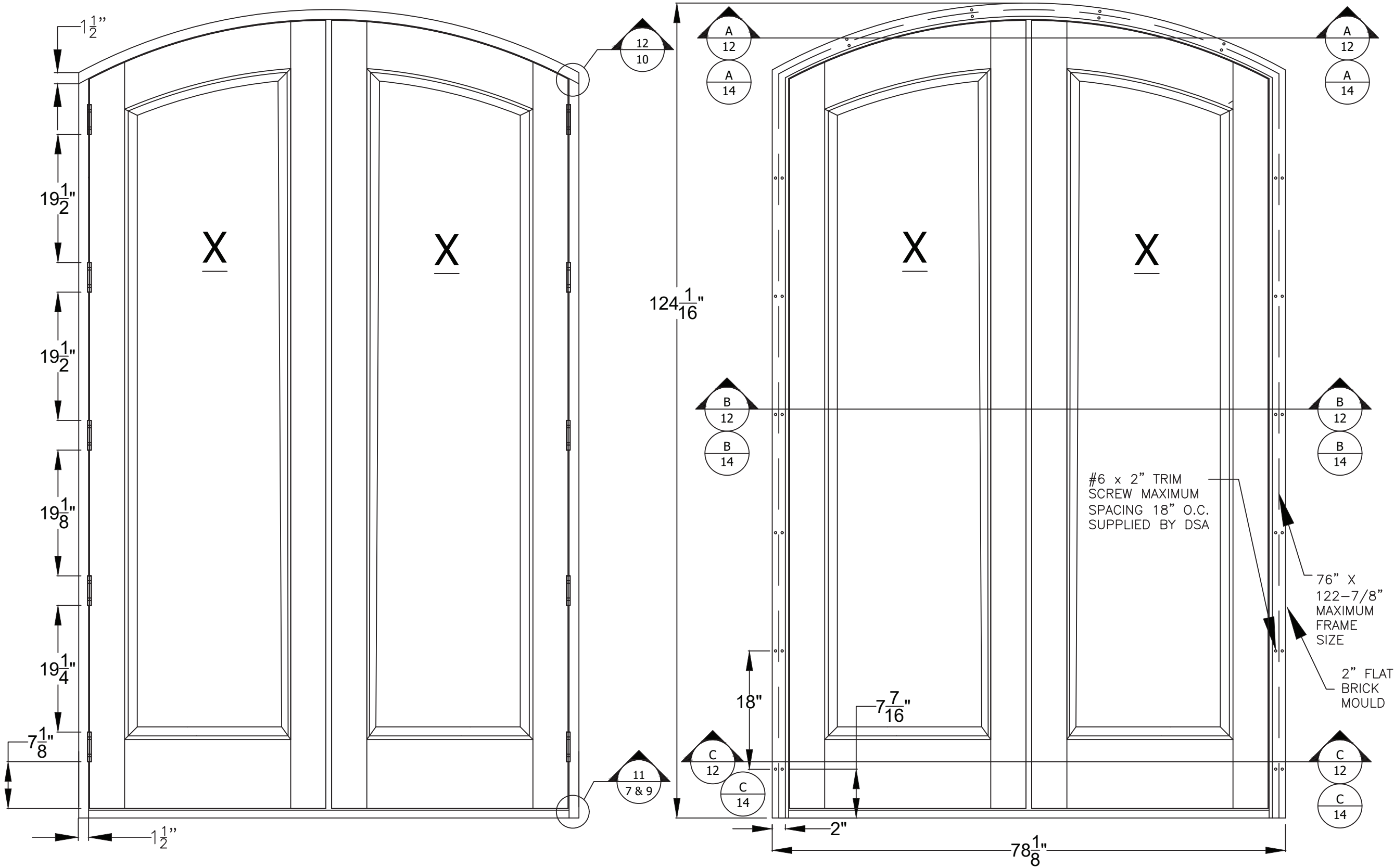
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



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, Inswing, Opaque

ELEVATIONS - HINGES & BRICK MOULD

PREPARED BY:

DRAWN BY:

DATE:

10/24/2022

DRAWING NO:

DSA0010

SCALE:

N.T.S.

REV:

A

SHEET:

5A OF 17

PTC PRODUCT DESIGN GROUP, LLC

PO BOX 520775 LONGVIEW, TX 75602

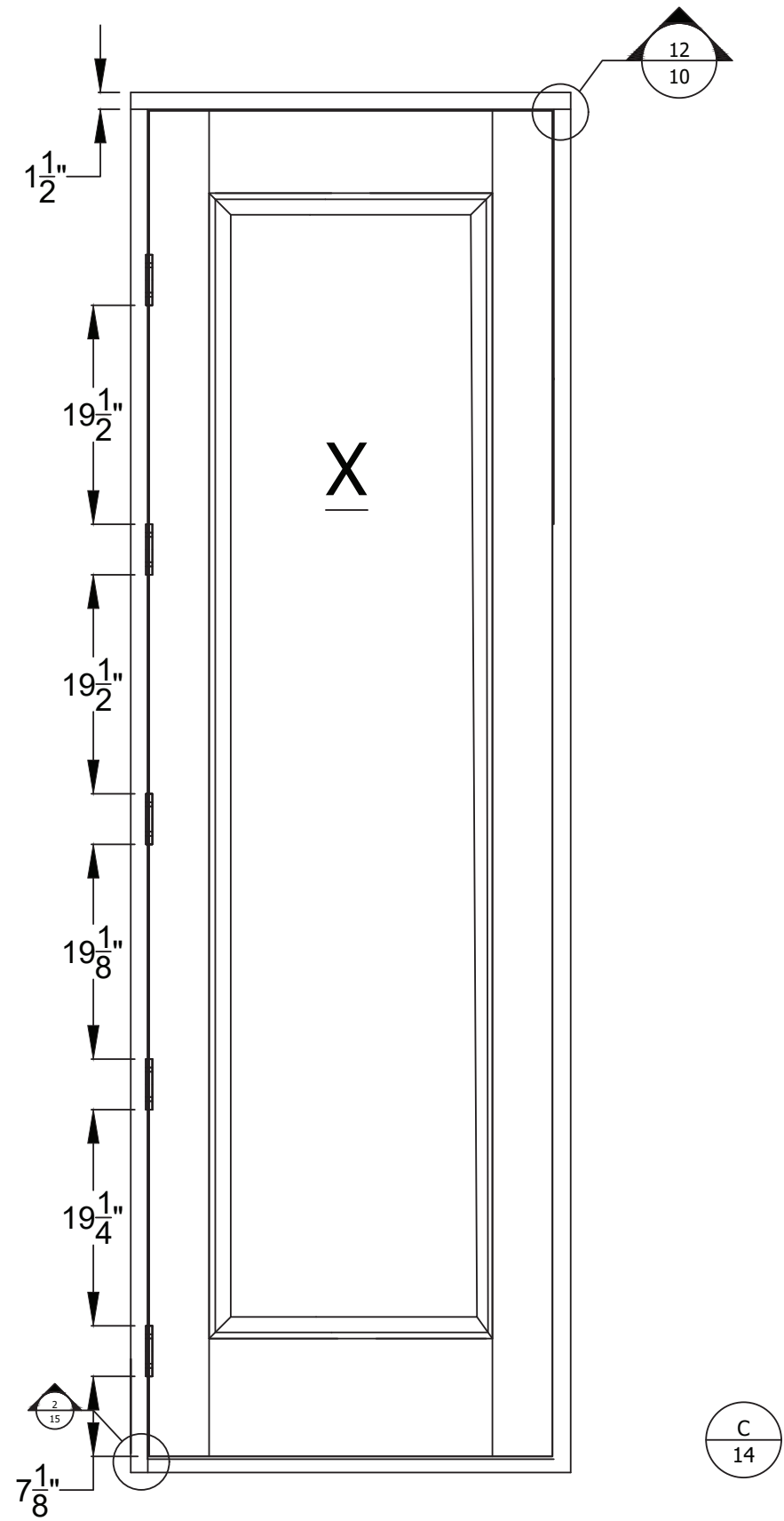
Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com

FBPE C.A. NO. 26335

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

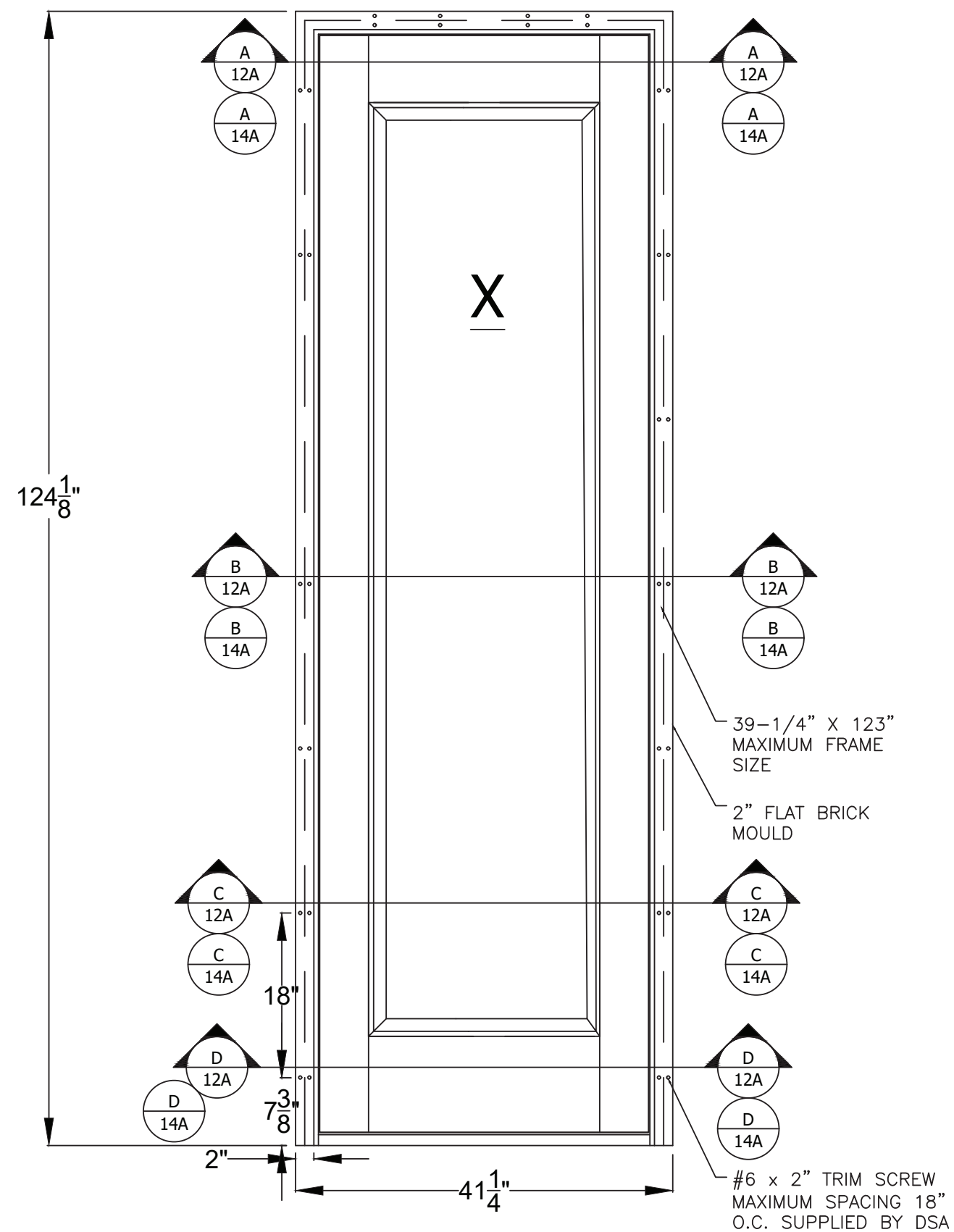


ELEVATION
X HINGE LOCATION



RECTANGULAR
FRAME

ELEVATION
X BRICK MOULD
INSTALLATION



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

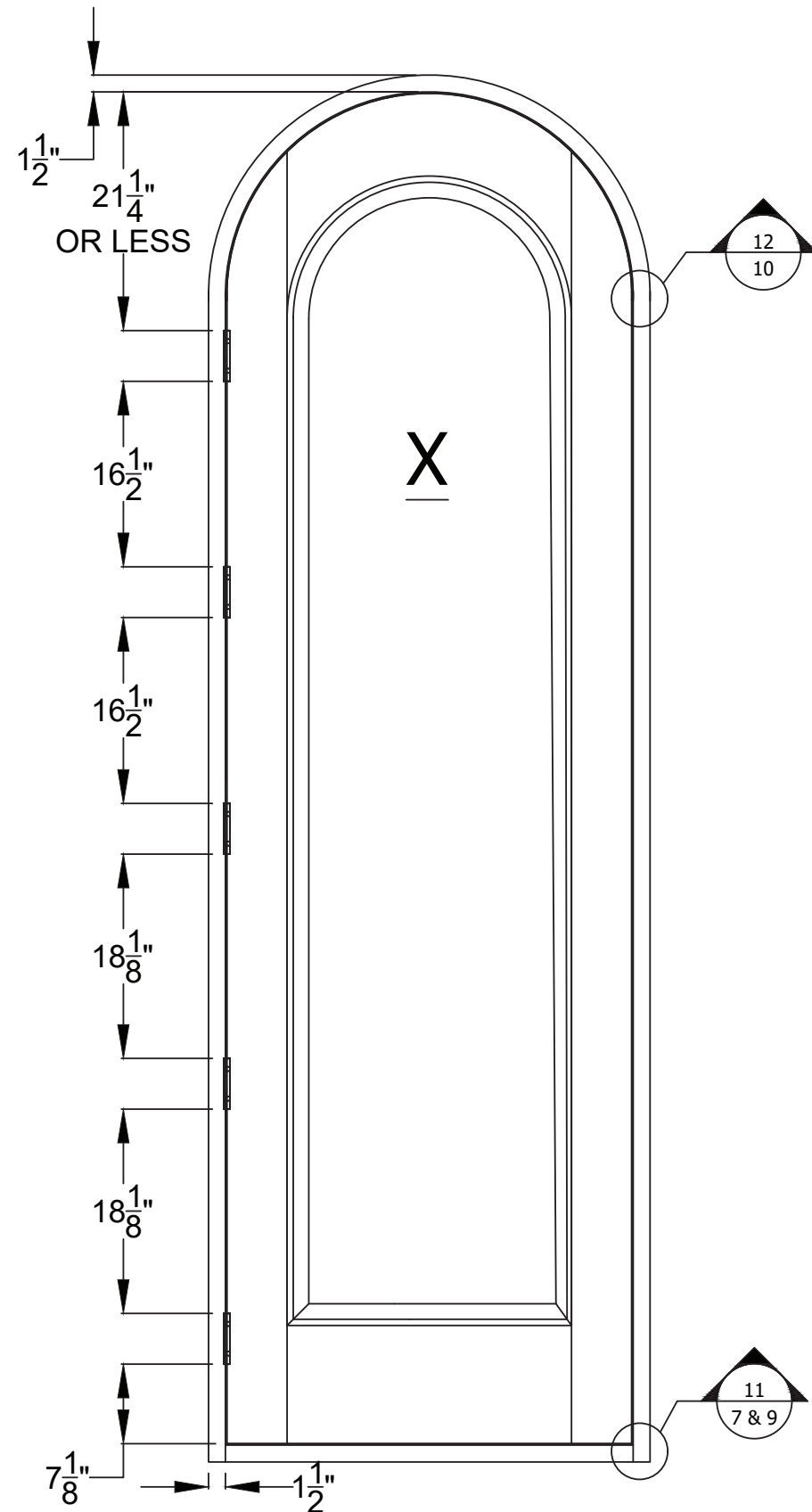
TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque
ELEVATIONS - HINGES & BRICK MOULD

PREPARED BY:	DRAWN BY:	DATE:
PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGVIEW, TX 75607 FBPE C.A. NO. 28335	RJA N.T.S. REV: A	10/24/2022 DRAWING NO: DSA0010 SHEET: 5B OF 17

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

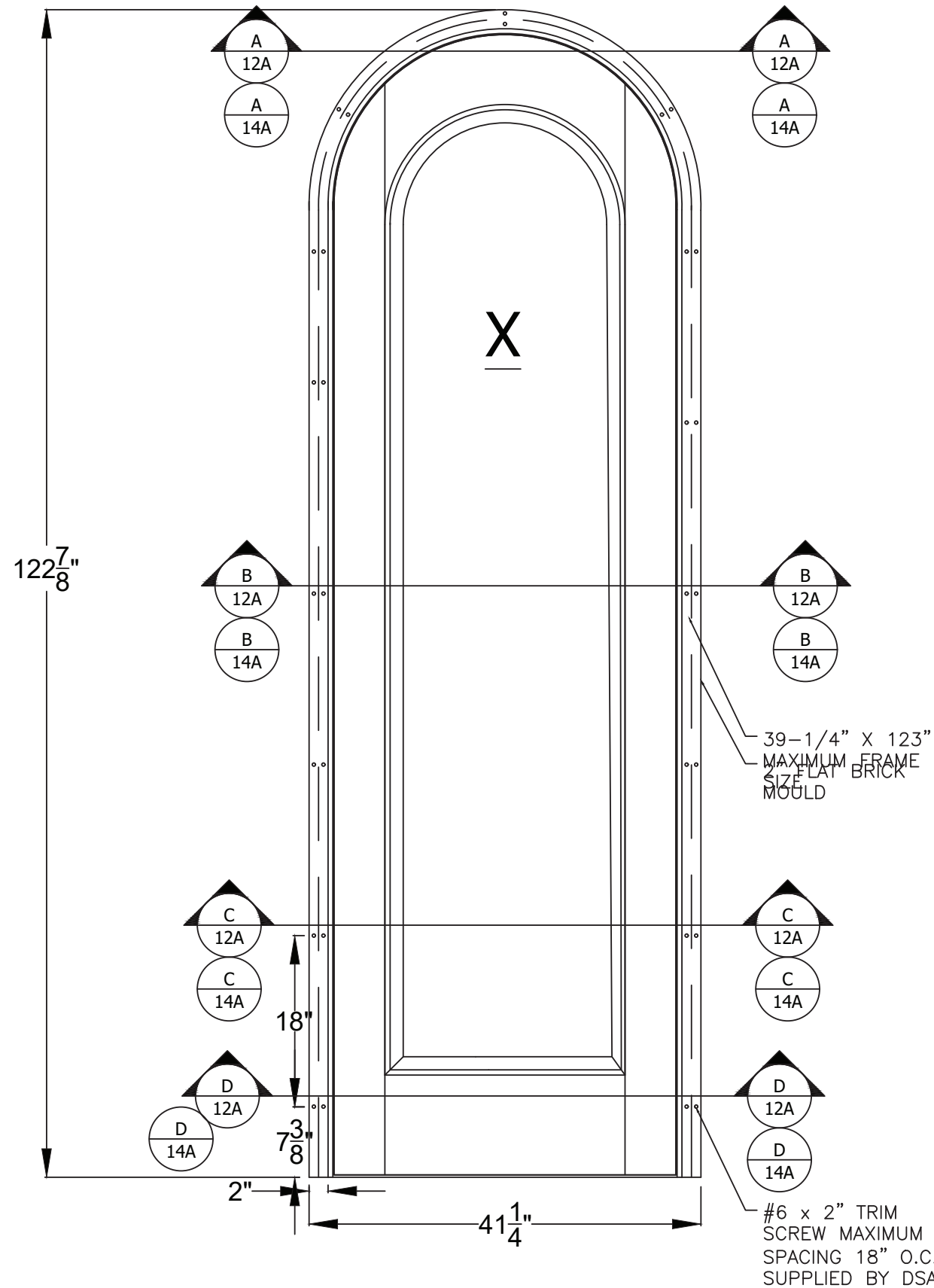


ELEVATION
X HINGE LOCATION



RADIUS HEAD
FRAME

ELEVATION
X 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, Inswing, Opaque
ELEVATIONS - HINGES & BRICK MOULD

PREPARED BY: PTC
PO BOX 520775
LONGVIEW, TX 75075
PHONE: 321.690.1788
FAX: 321.690.1789
EMAIL: info@ptc-corp.com

DRAWN BY: RJA
SCALE: N.T.S.
REV: A
DATE: 10/24/2022
DRAWING NO: DSA0010
SHEET: 5C OF 17

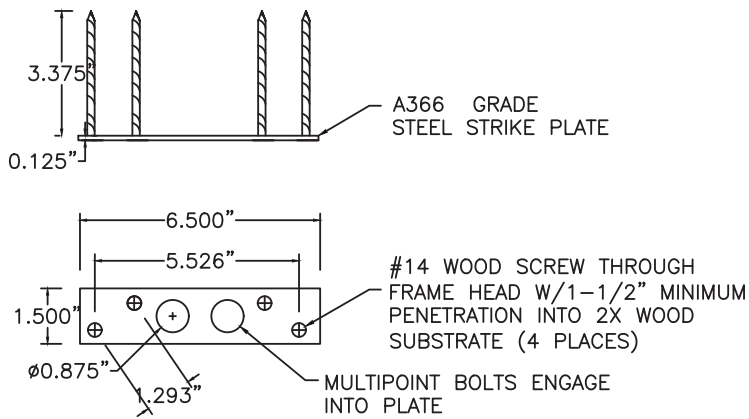
REVISED FOR MD COMMENTS
A
9/2/2022
RJA
DATE
BY

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

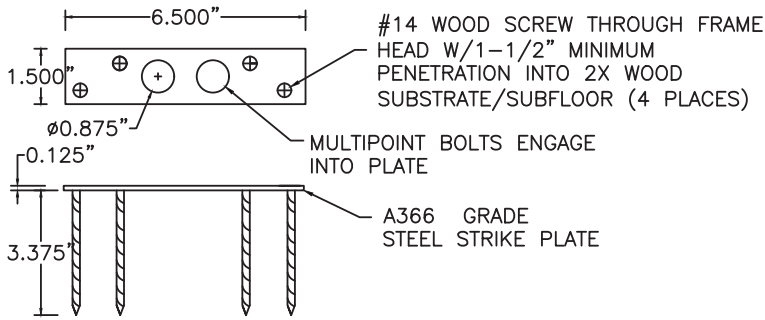


DETAILS

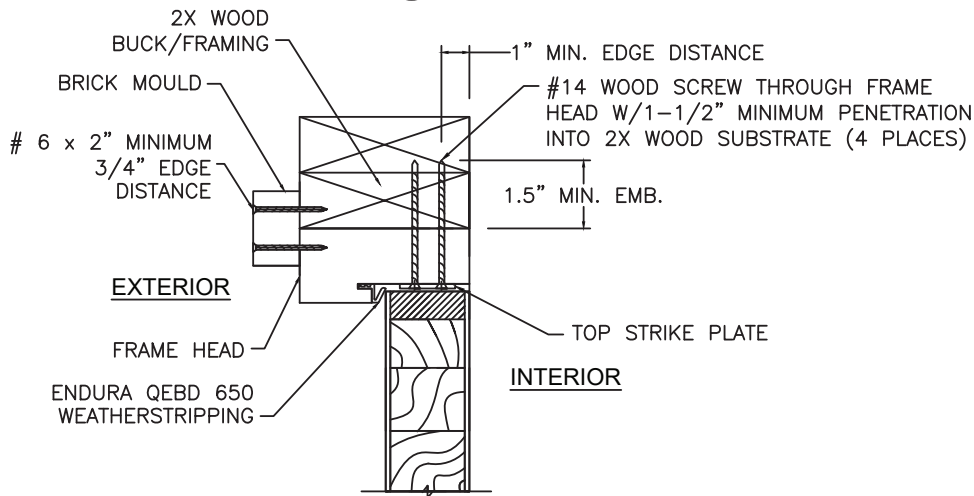
2X WOOD BUCK/FRAMING
INSTALLATION



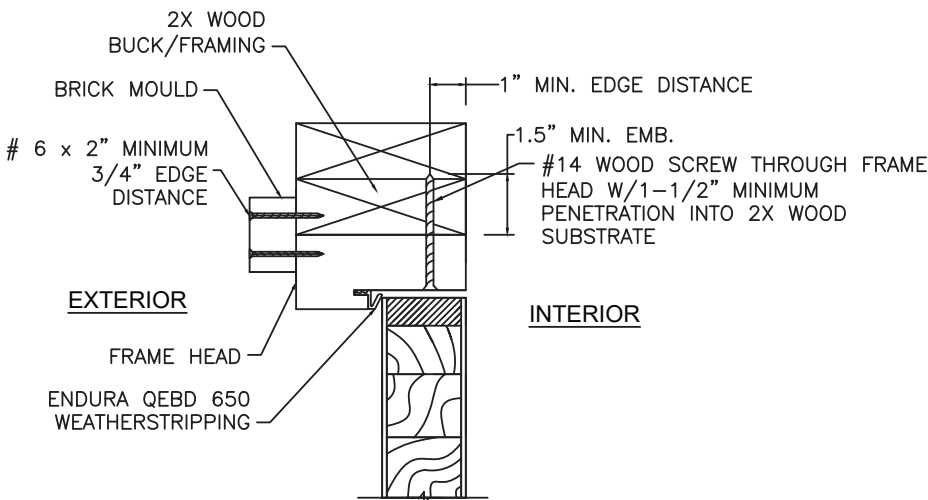
1 TOP STRIKE PLATE



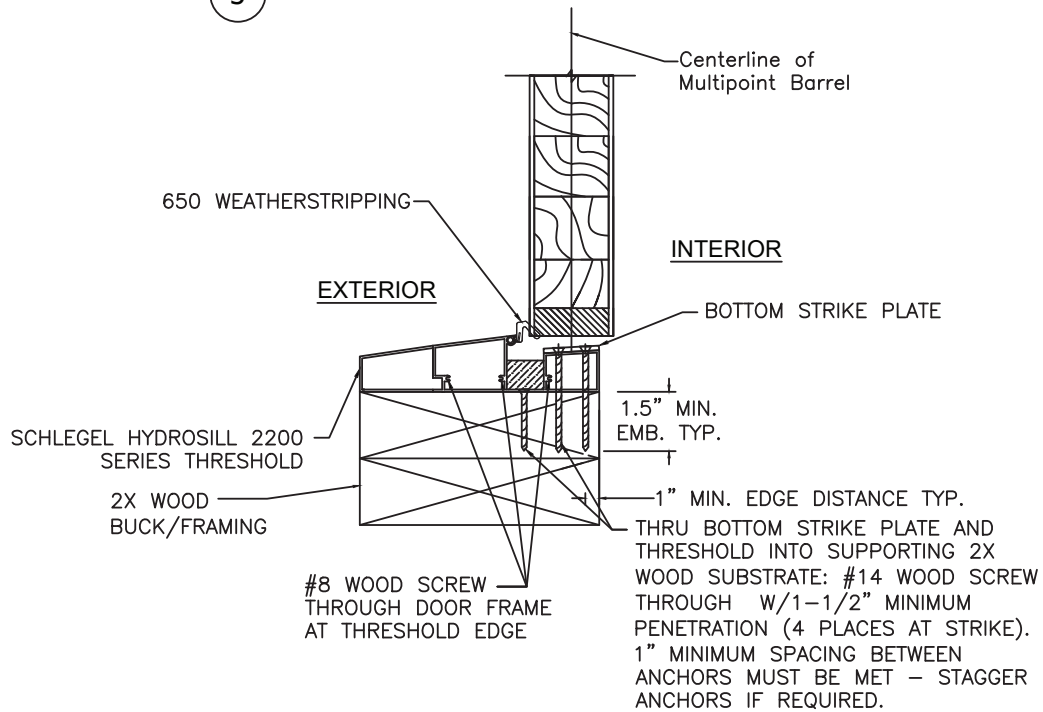
2 BOTTOM STRIKE PLATE



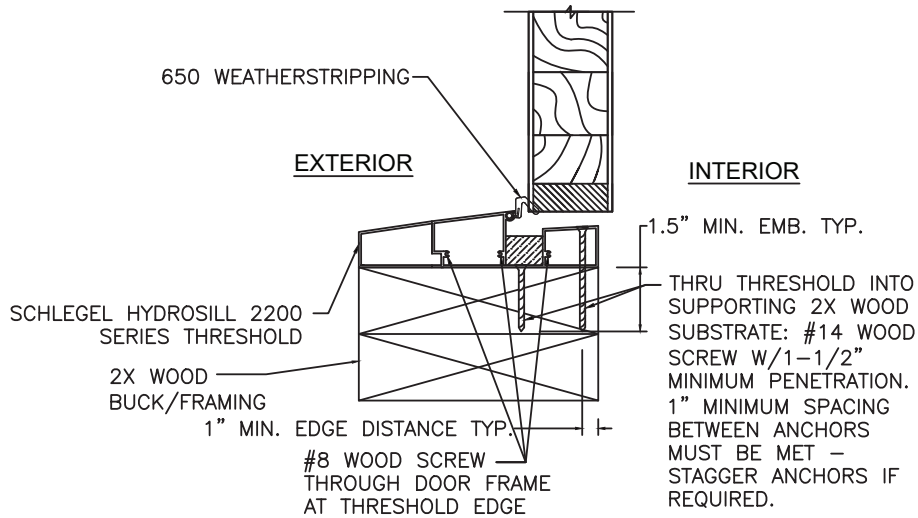
3 HEAD ANCHORAGE AT STRIKE PLATE



5 HEAD ANCHORAGE AT FRAME HEAD



4 THRESHOLD SECTION AT STRIKE PLATE



6 THRESHOLD SECTION AT SILL

PROJECT #422-0708

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

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

DATE: 10/24/2022
DRAWING NO: DSA0010
SHEET: 6 OF 17

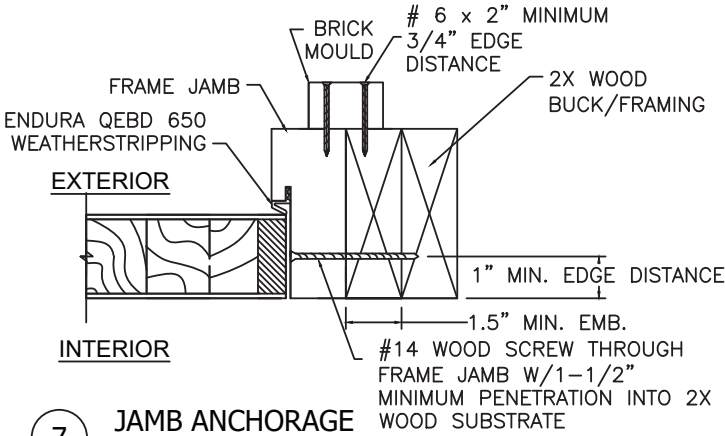
REVISIONS
REV: A
DESCRIPTION: REVISED FOR MD COMMENTS
DATE: 9/2/2022
BY: RJA

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

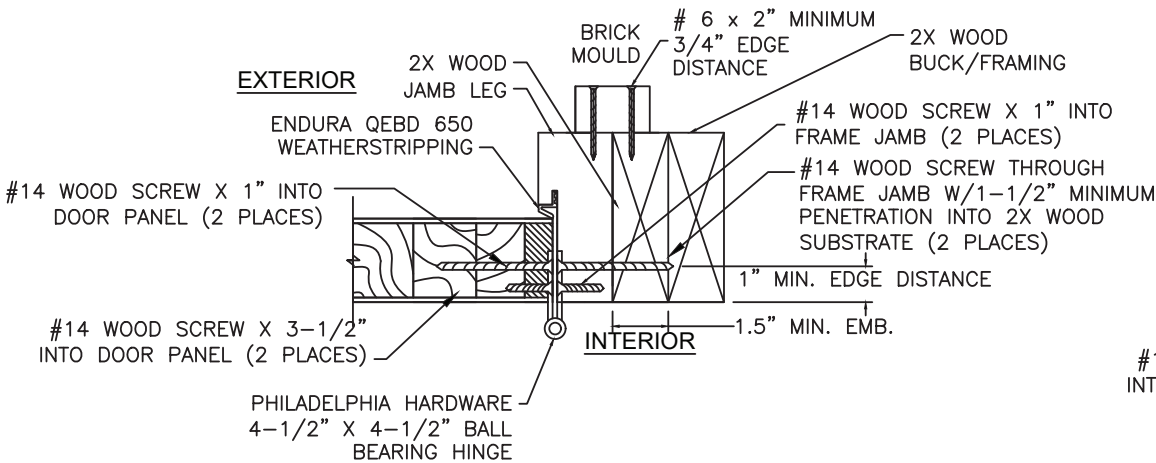


DETAILS

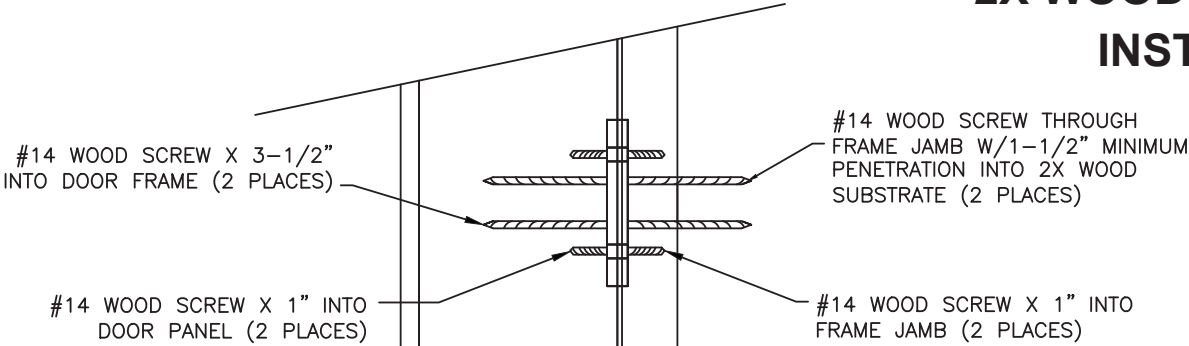
2X WOOD BUCK/FRAMING INSTALLATION



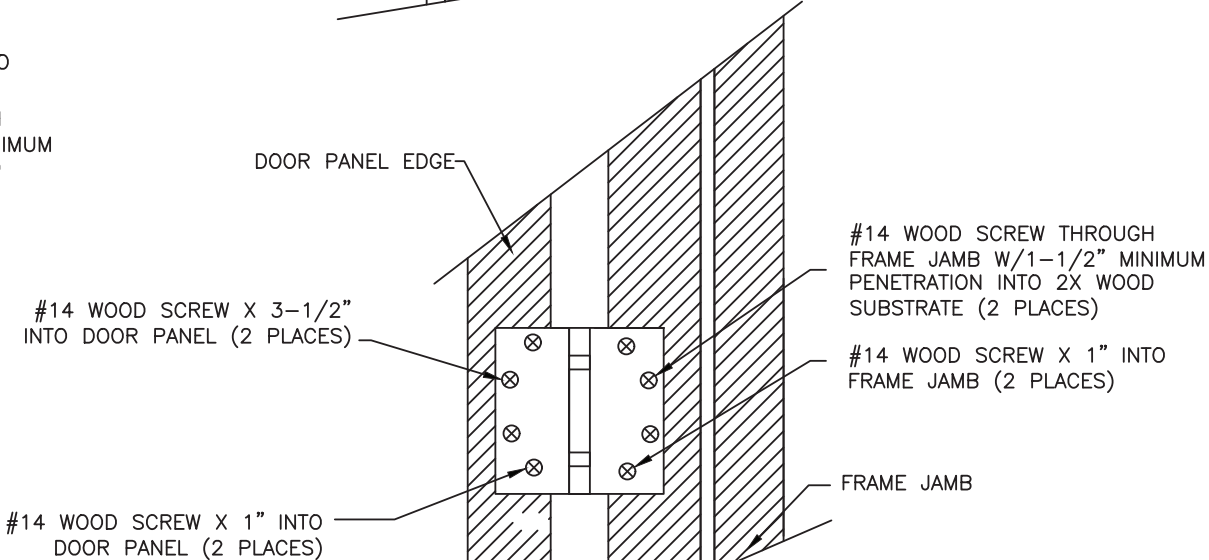
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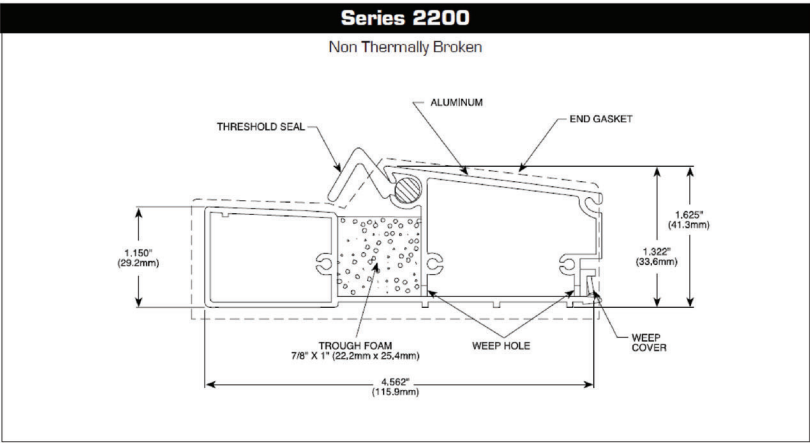
8 JAMB ANCHORAGE @ HINGE



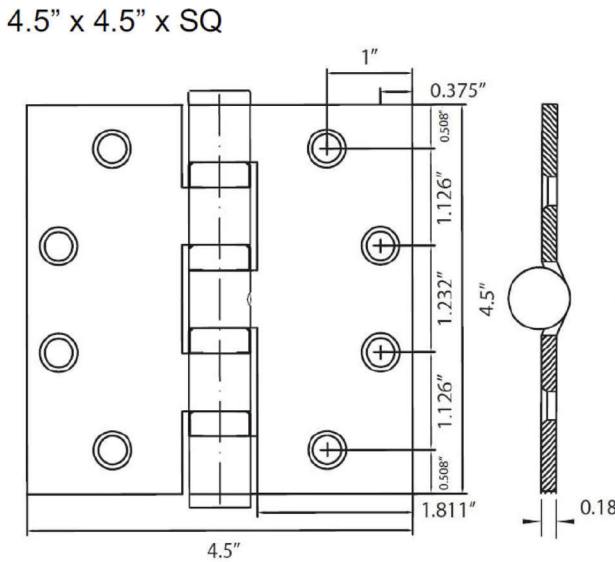
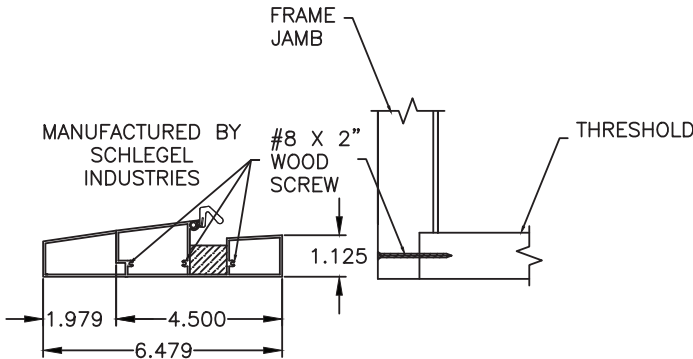
9 CLOSED HINGE - 2X WOOD



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



11 THRESHOLD TO FRAME DETAIL
SCHLEGEL SERIES 2200 HYDROSILL



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, Inswing, Opaque

WOOD INSTALLATION - DETAILS 7 THRU 11

PREPARED BY:

PTC PRODUCT DESIGN GROUP, LLC

PO BOX 520775 LONGVIEW, TX 75607-0775

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

DRAWN BY: RJA

SCALE: N.T.S.

REV: A

DATE: 10/24/2022

DRAWING NO: DSA0010

SHEET: 7 OF 17

PROJECT #422-0708

REVISED FOR MD COMMENTS

DATE

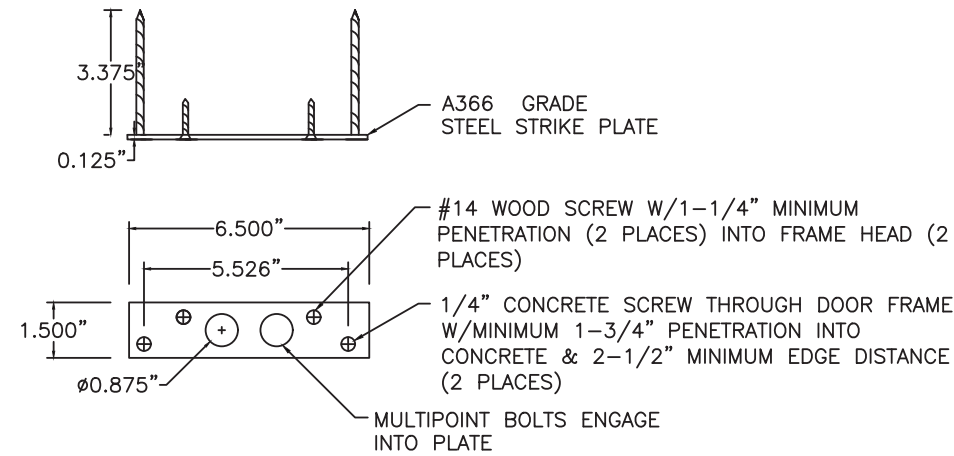
BY

DETAILS

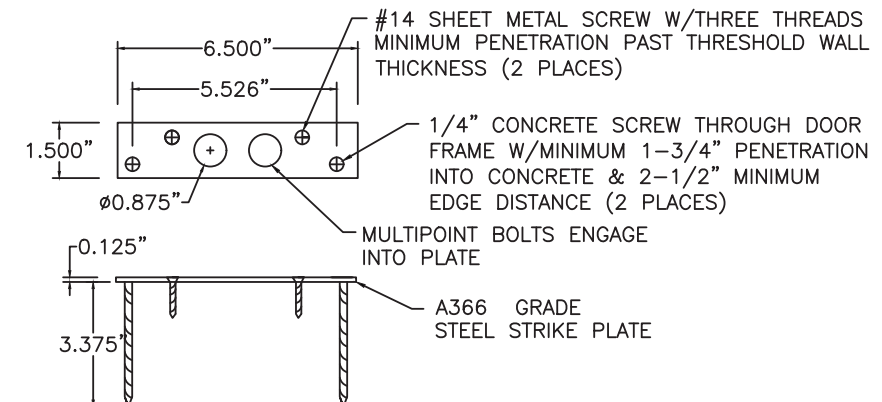
CONCRETE INSTALLATION

NOTES:

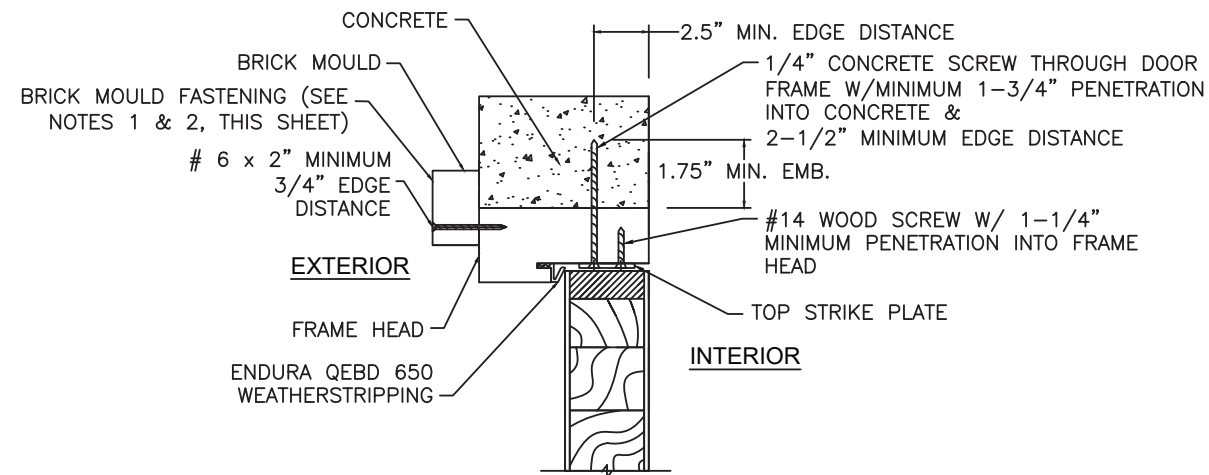
1. BRICK MOULD INSTALLATION SHALL USE NO. 6 WOOD SCREW X 2" MINIMUM LENGTH FOR BRICK MOULD-TO-DOOR FRAME INSTALLATION
2. ALL ADDITIONAL FASTENING INCLUDING THE USE OF SEALANTS SHALL BE AT THE DISCRETION OF THE INSTALLER OR AS RECOMMENDED BY THE DOOR MANUFACTURER.



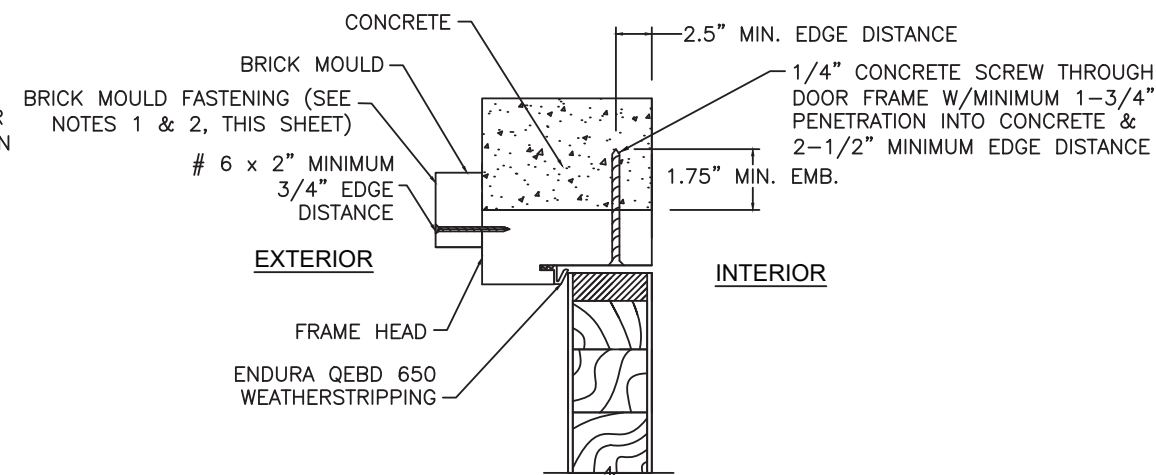
1 TOP STRIKE PLATE



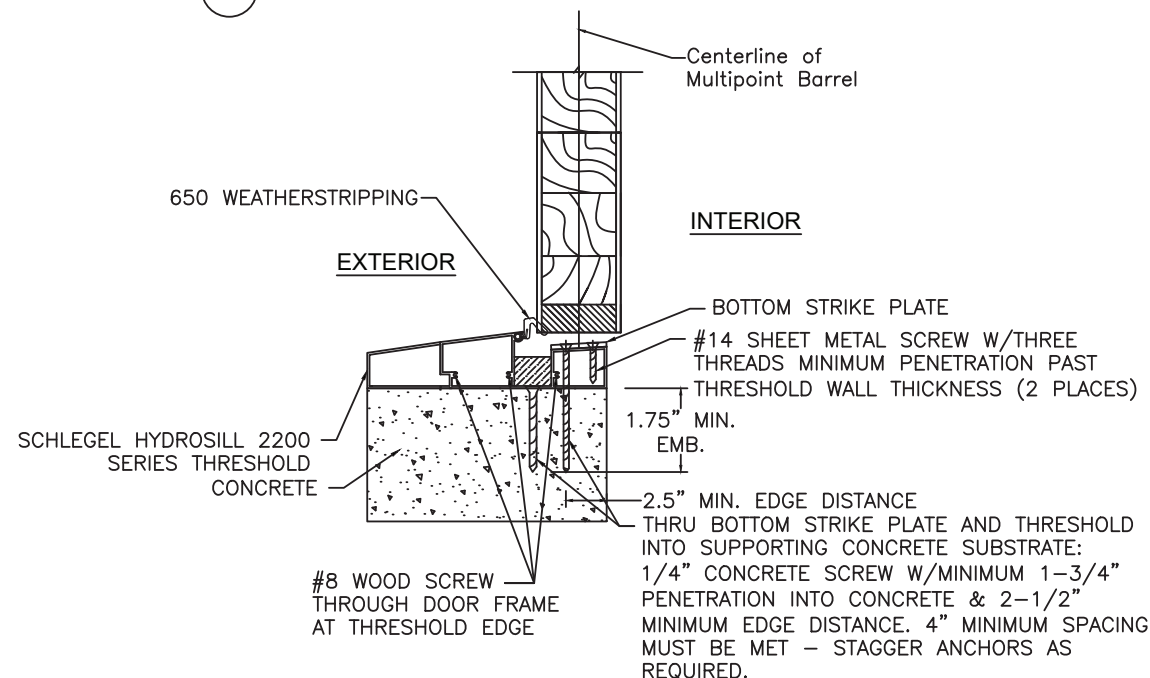
2 BOTTOM STRIKE PLATE



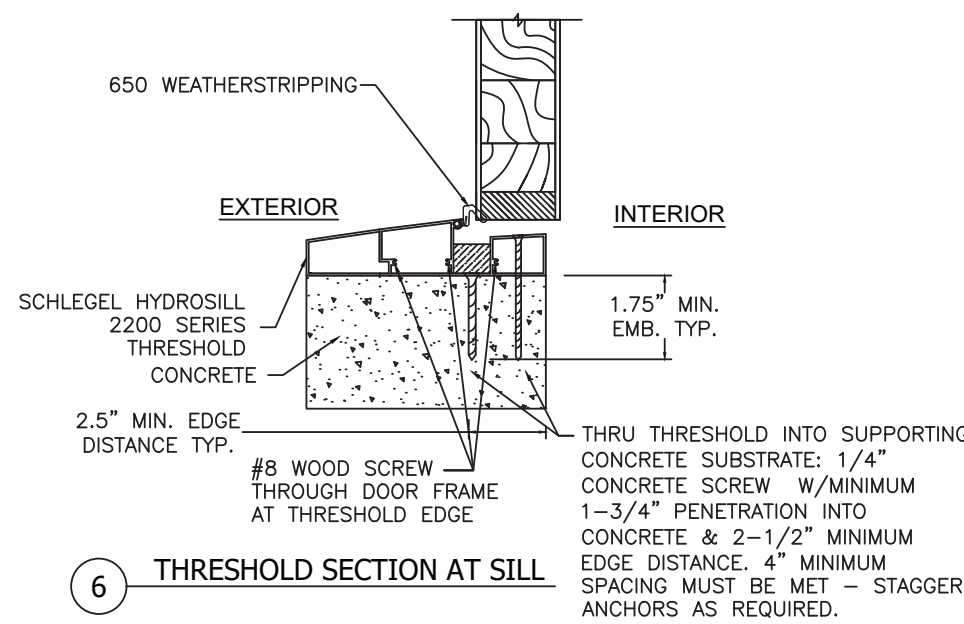
3 HEAD ANCHORAGE AT STRIKE PLATE



5 HEAD ANCHORAGE AT FRAME HEAD



4 THRESHOLD SECTION AT STRIKE PLATE



6 THRESHOLD SECTION AT SILL

PROJECT #422-0708

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

CONCRETE INSTALLATION - DETAILS 1 THRU 6

RECEIVED BY: [REDACTED] DATE: [REDACTED]
DRAWN BY: RJA

SCALE:	DRAWING:
--------	----------

N.T.S.	
--------	--

REV: A SHEET:

PPC
PPC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
USA: C-1, NO. 20902

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



DETAILS

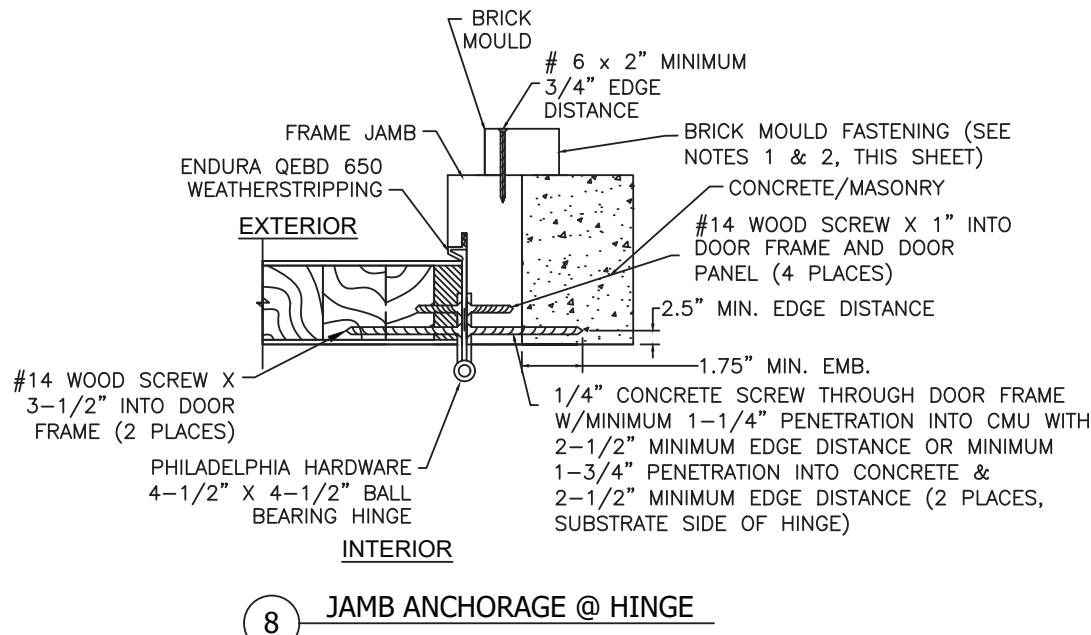
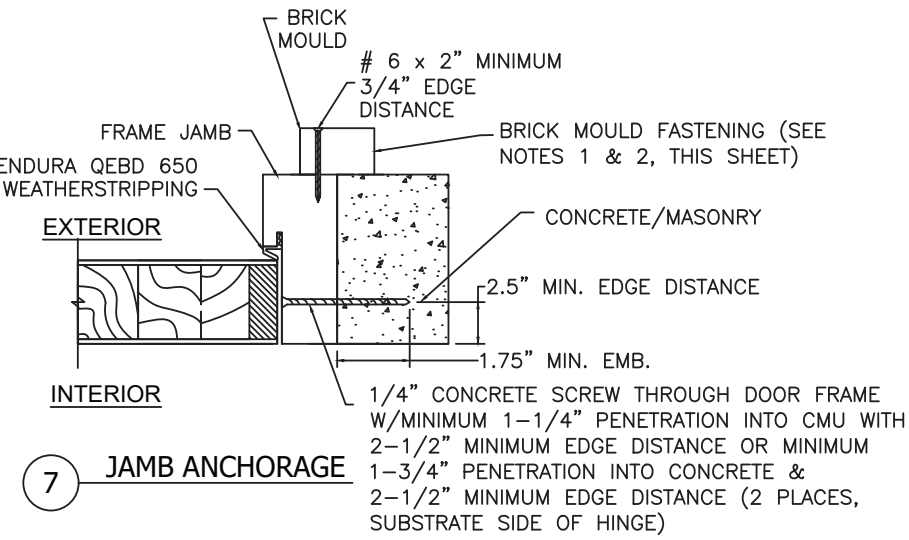
CONCRETE/MASONRY INSTALLATION

PROJECT #422-0708

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

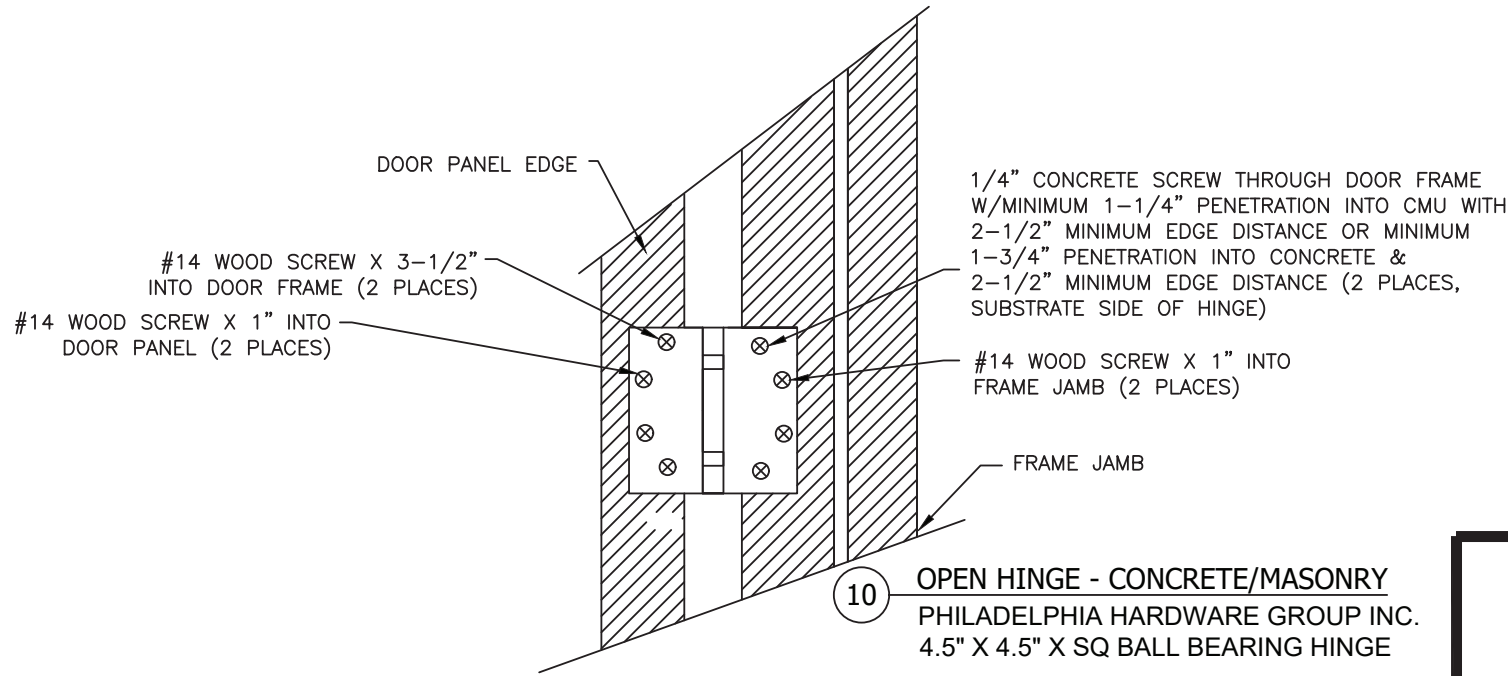
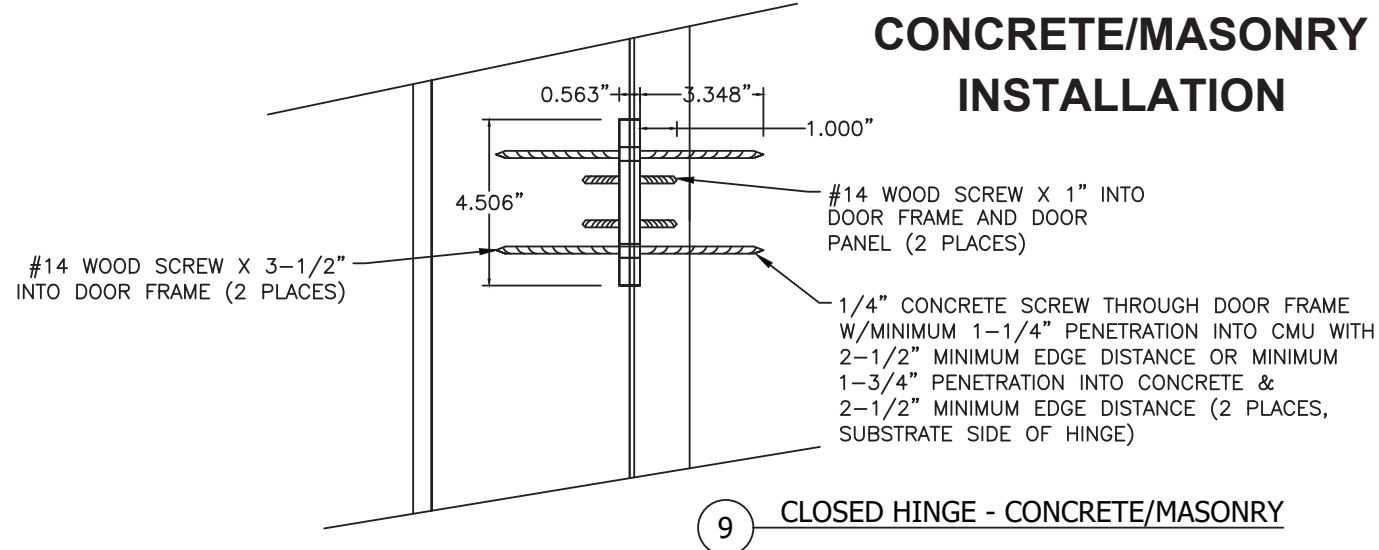
TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque
CONCRETE/MASONRY INSTALLATION - DETAILS 7 THRU 11

DATE:	10/24/2022
DRAWING NO:	DSA0010
SCALE:	N.T.S.
REV:	A
PREPARED BY:	RJA
DATE:	10/24/2022
DRAWING NO:	DSA0010
SCALE:	N.T.S.
REV:	A
REVISOR:	RJA
DATE:	9/2/2022
DESCRIPTION:	REVISED FOR MD COMMENTS
BY:	DATE

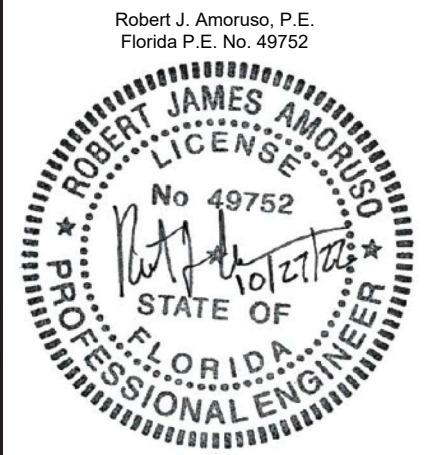
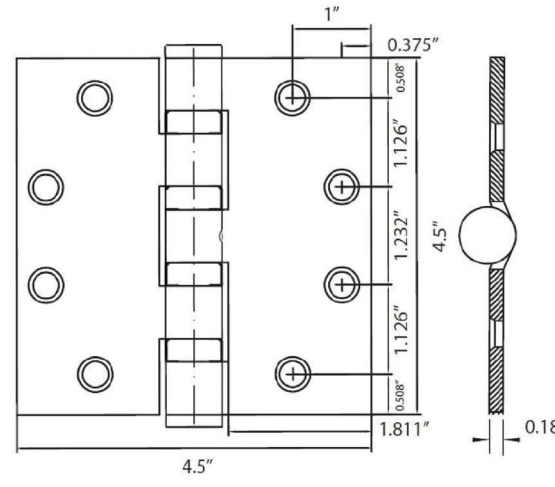


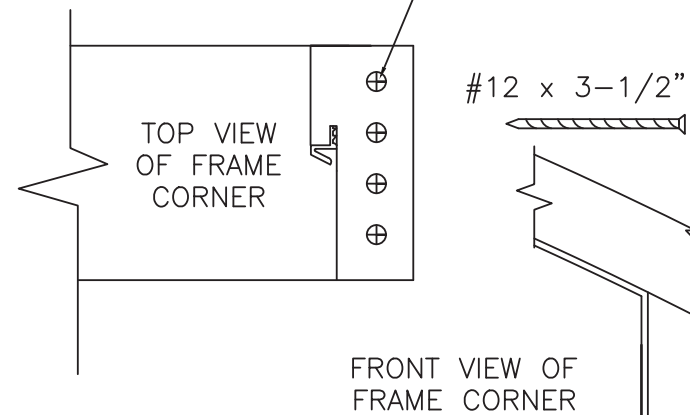
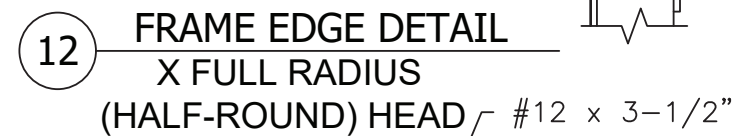
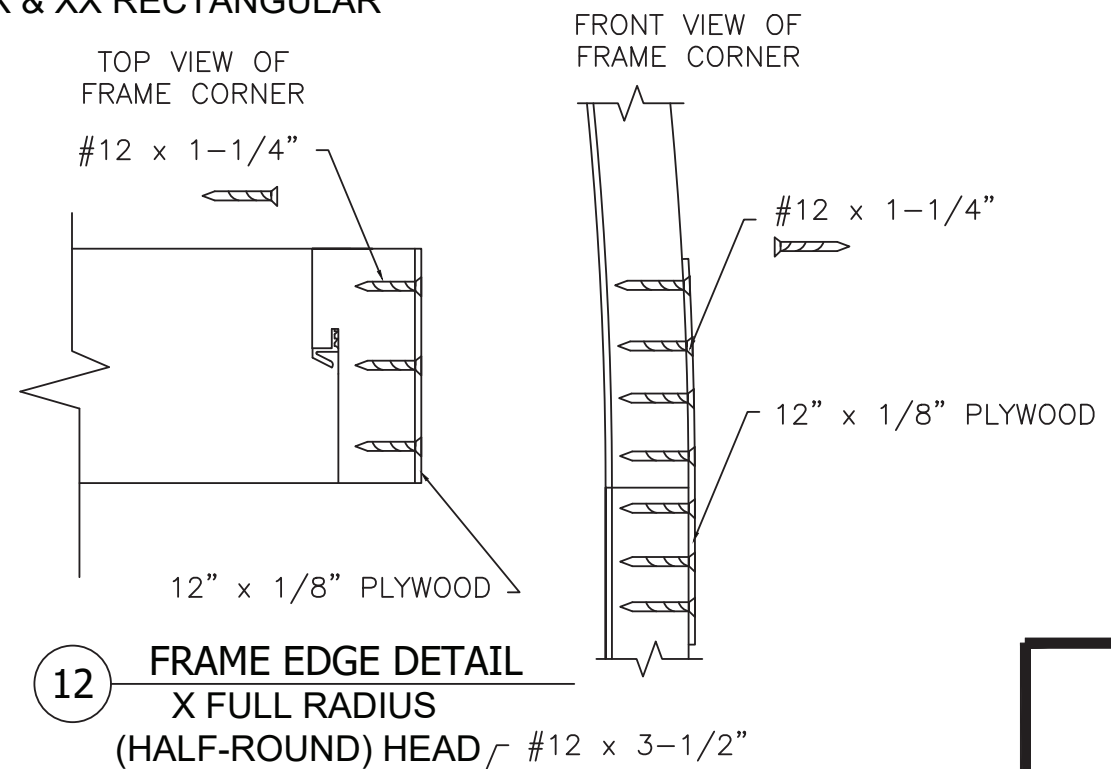
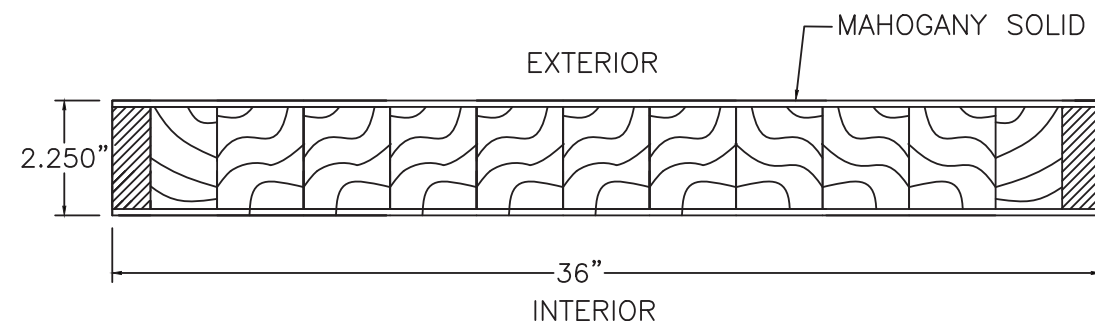
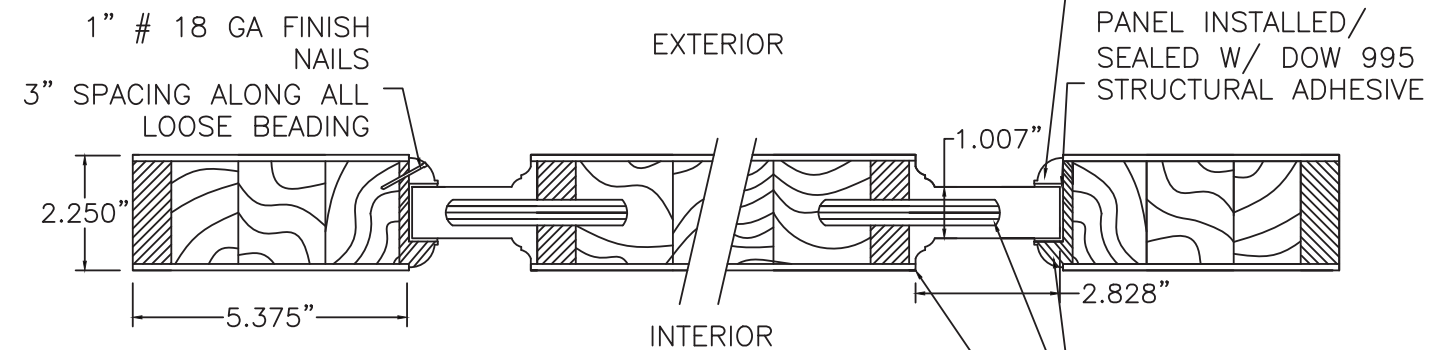
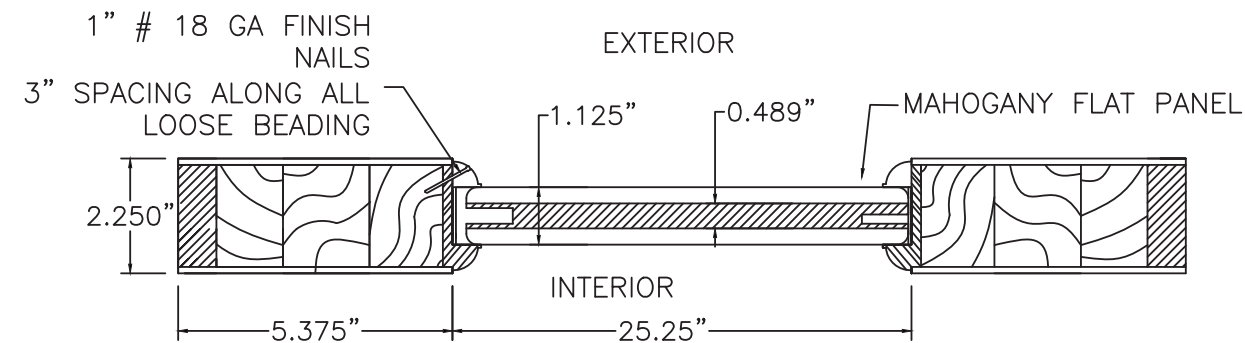
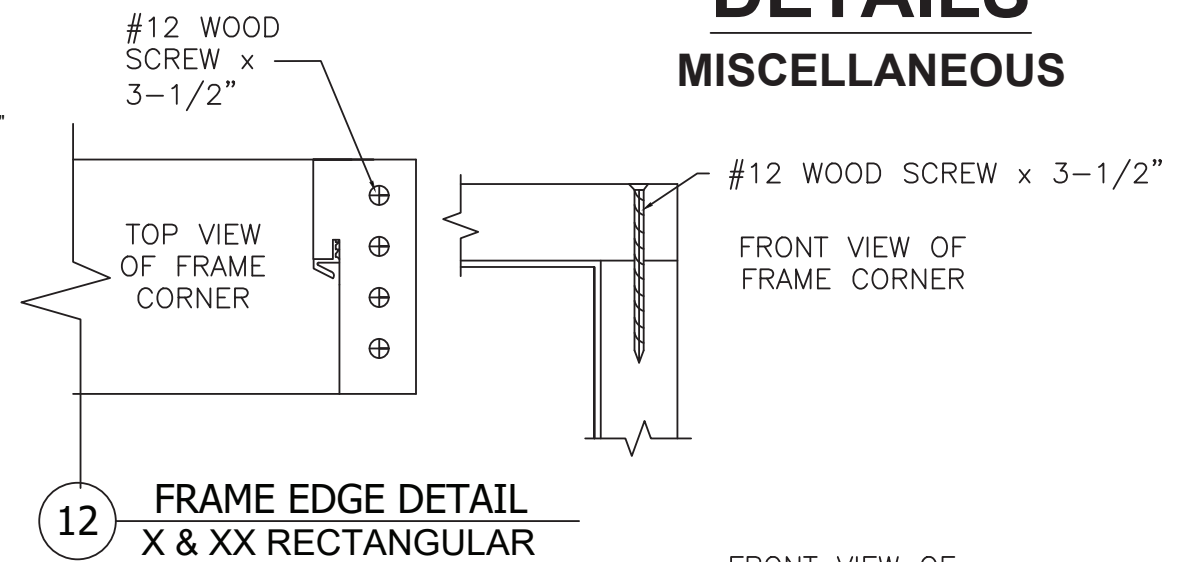
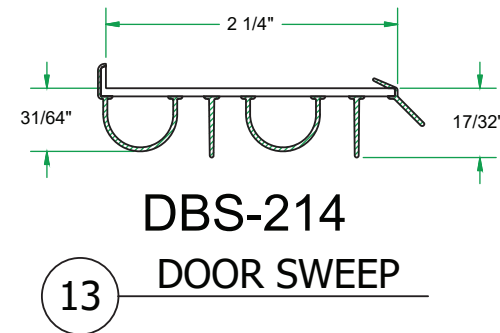
NOTES:

- 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.



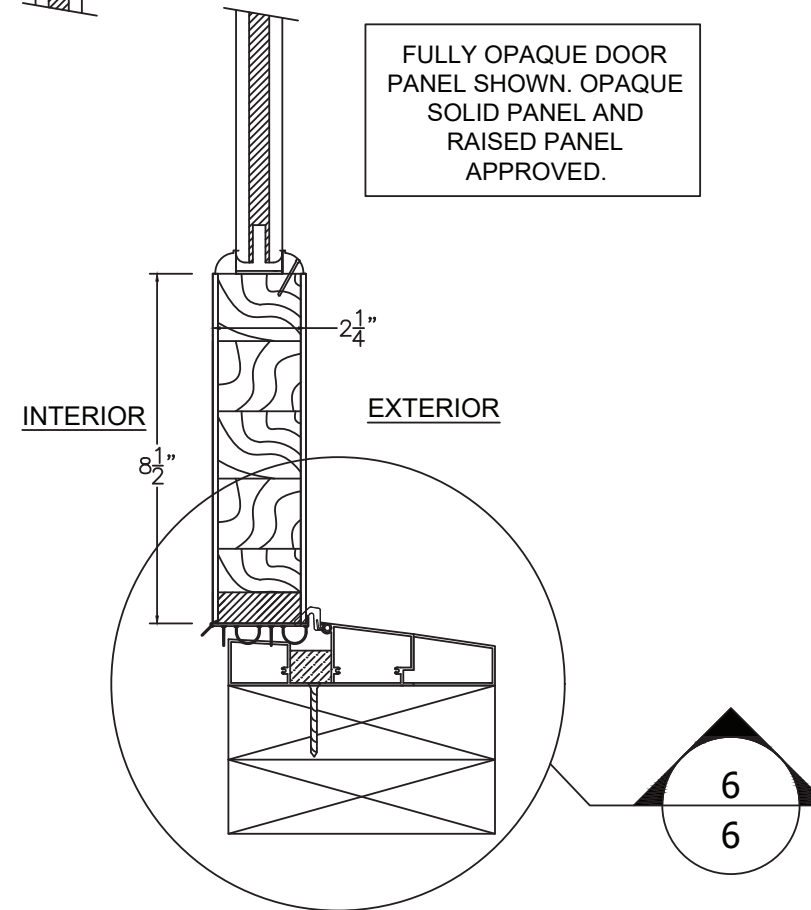
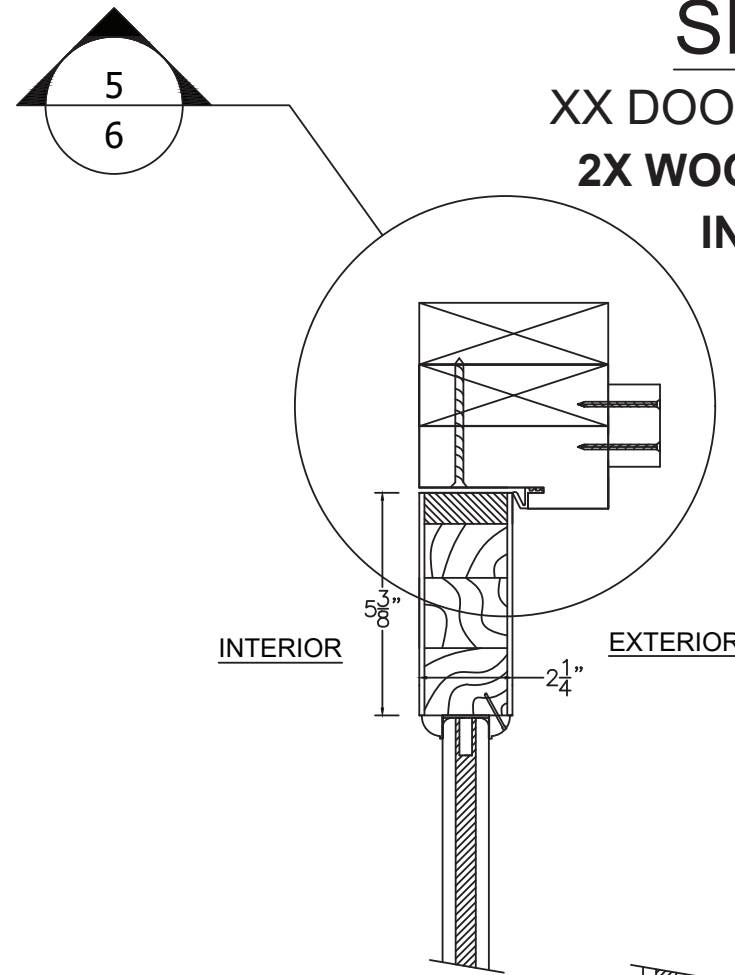
4.5" x 4.5" x SQ





A circular professional engineer seal for Robert James Amoroso. The outer ring contains the text "ROBERT JAMES AMOROSO" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. In the center, the license number "No 49752" is printed above a handwritten signature "Robert J. Amoroso" and the date "10/27/2013".

FRAME HEAD DETAIL



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

B INFILL DOOR SECTION

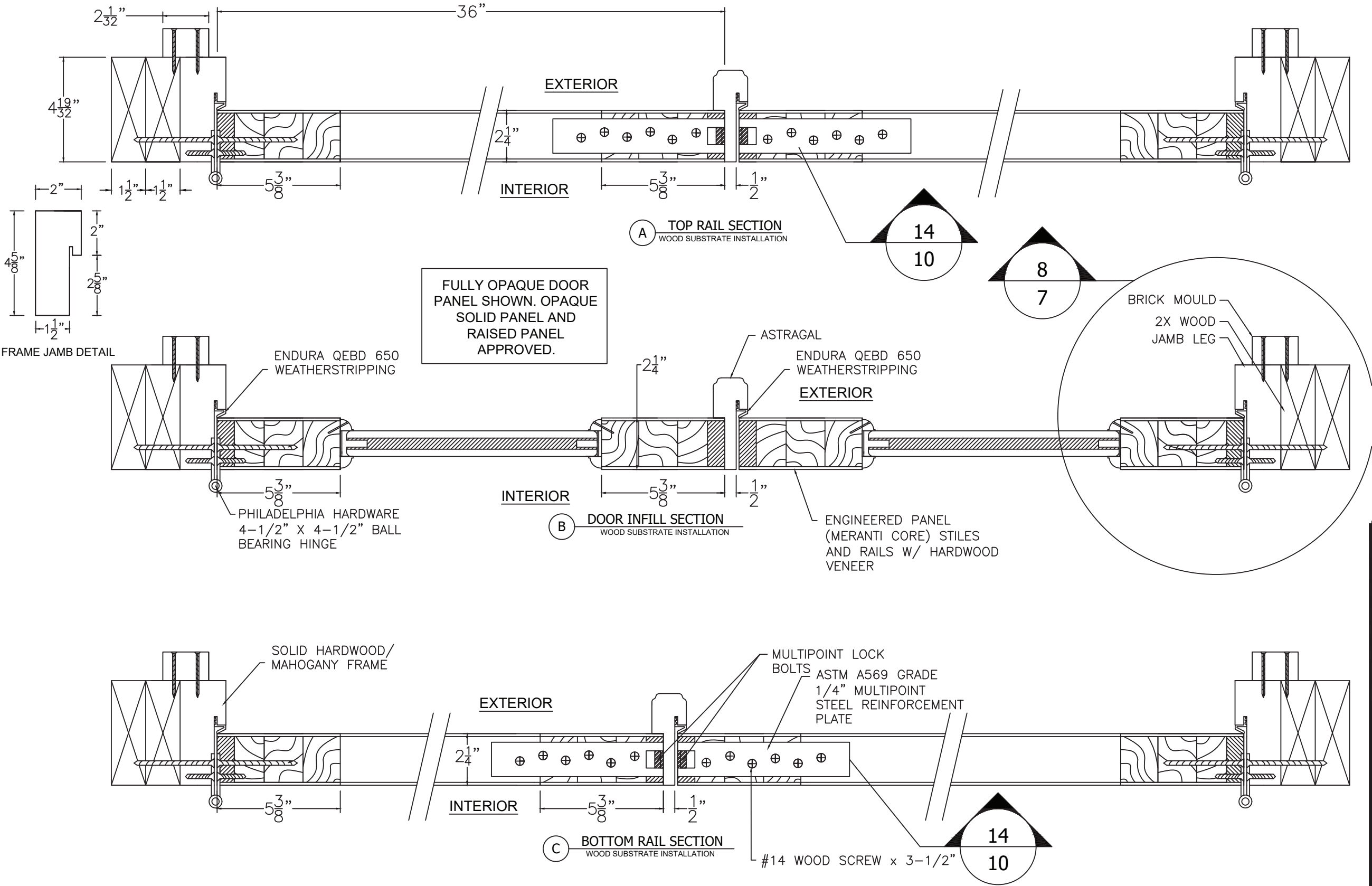
The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617		PROJECT #422-0708	
TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque SECTIONS - VERTICAL - WOOD INSTALLATION			
PREPARED BY:			
DRAWN BY: RJA			
DATE: 10/24/2022			
SCALE: N.T.S.			
DRAWING NO: DSA0010			
REV: A			
SHEET: 11 OF 17			
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		REVISED FOR MD COMMENTS	9/2/2022
		A	RJA
		REV	BY
		DESCRIPTION	DATE

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



SECTIONS

XX DOOR HORIZONTAL VIEWS 2X WOOD BUCK/FRAMING INSTALLATION



PROJECT #422-0708

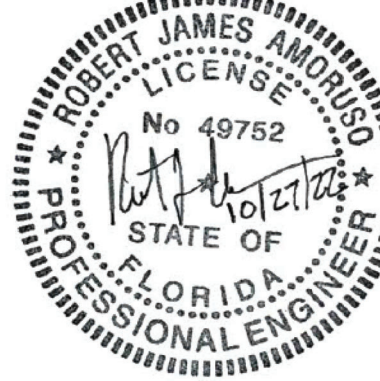
The Door Store of America, Inc.
10681 World Trade Blvd
Raleigh, NC 27617

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

DATE:	10/24/2022
DRAWING NO:	DSA0010
SCALE:	N.T.S.
REV:	A
SHEET:	12 OF 17

PREPARED BY: PTC
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FL 32075
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com
FBI/CA, INC. 26365

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

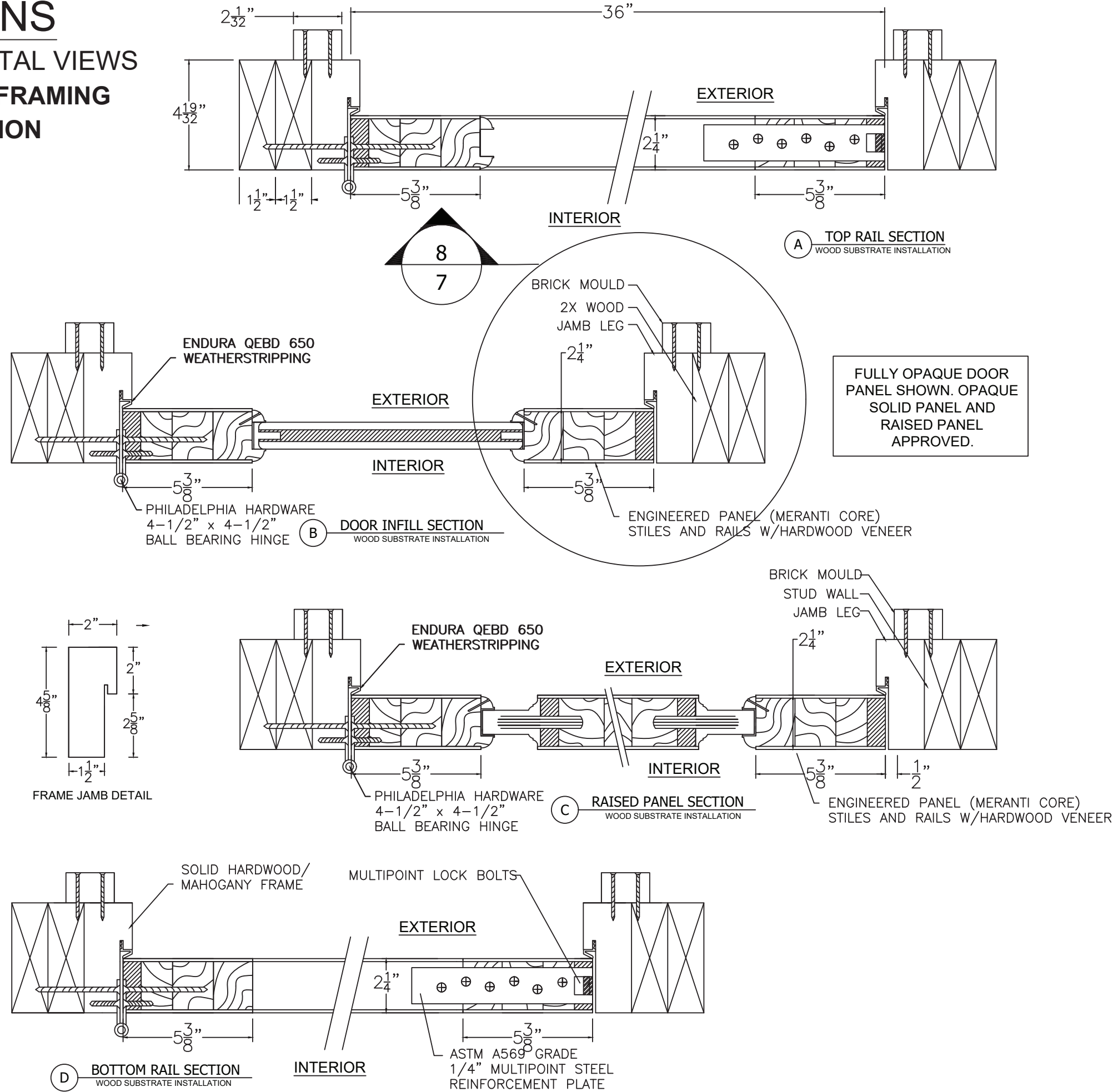


SECTIONS

X DOOR HORIZONTAL VIEWS

2X WOOD BUCK/FRAMING

INSTALLATION



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

TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque	DATE:
SECTIONS - HORIZONTAL - WOOD INSTALLATION	
PREPARED BY:	DRAWN BY:

PREPARED BY:	[REDACTED]	DRAWN BY:	RJA	DATE:	10/24/2022
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SCALE:	DRAWING NO:

PTC PRODUCT DESIGN GROUP, LLC
 Phone: 321.690.1788
 PO BOX 520775
 N.I.S.
 SHEET: 1

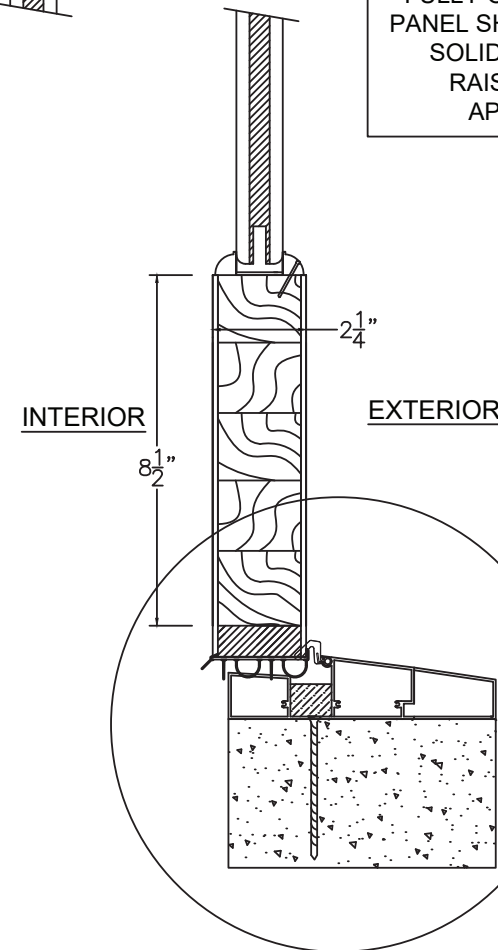
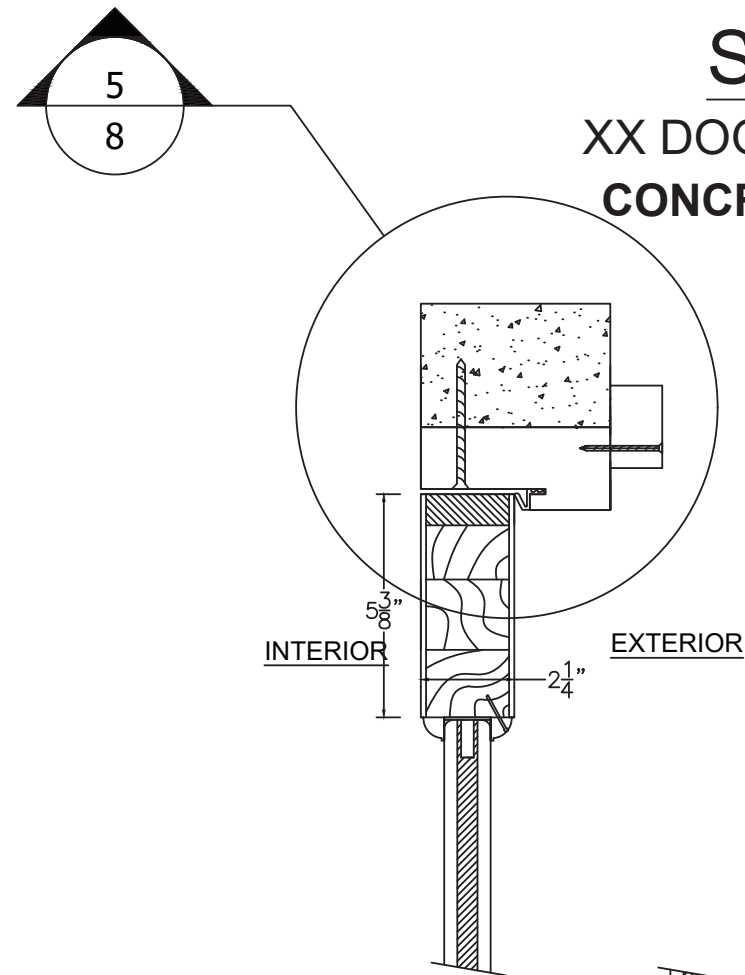
LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935
Email: info@ptc-corp.com
Fax: 321.690.1789
A 12A OF 17

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



FRAME HEAD DETAIL



B INFILL DOOR SECTION

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

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

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

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

PREPARED BY: _____	DRAWN BY: _____	DATE: _____
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PREPARED BY:	DATE:	10/24/2022
DRAWN BY:	RJA	
SCALE:	N.T.S.	DRAWING NO: DSA0010
REV:	A	SHEET: 13 OF 17


PTC PRODUCT DESIGN GROUP, LLC
 P.O. BOX 520775
 LONGWOOD, FLORIDA 32752
 FBPE C.A. NO. 25935
 Phone: 321.690.1788
 Fax: 321.690.1789
 Email: info@ptc-corp.com

PREPARED BY:

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

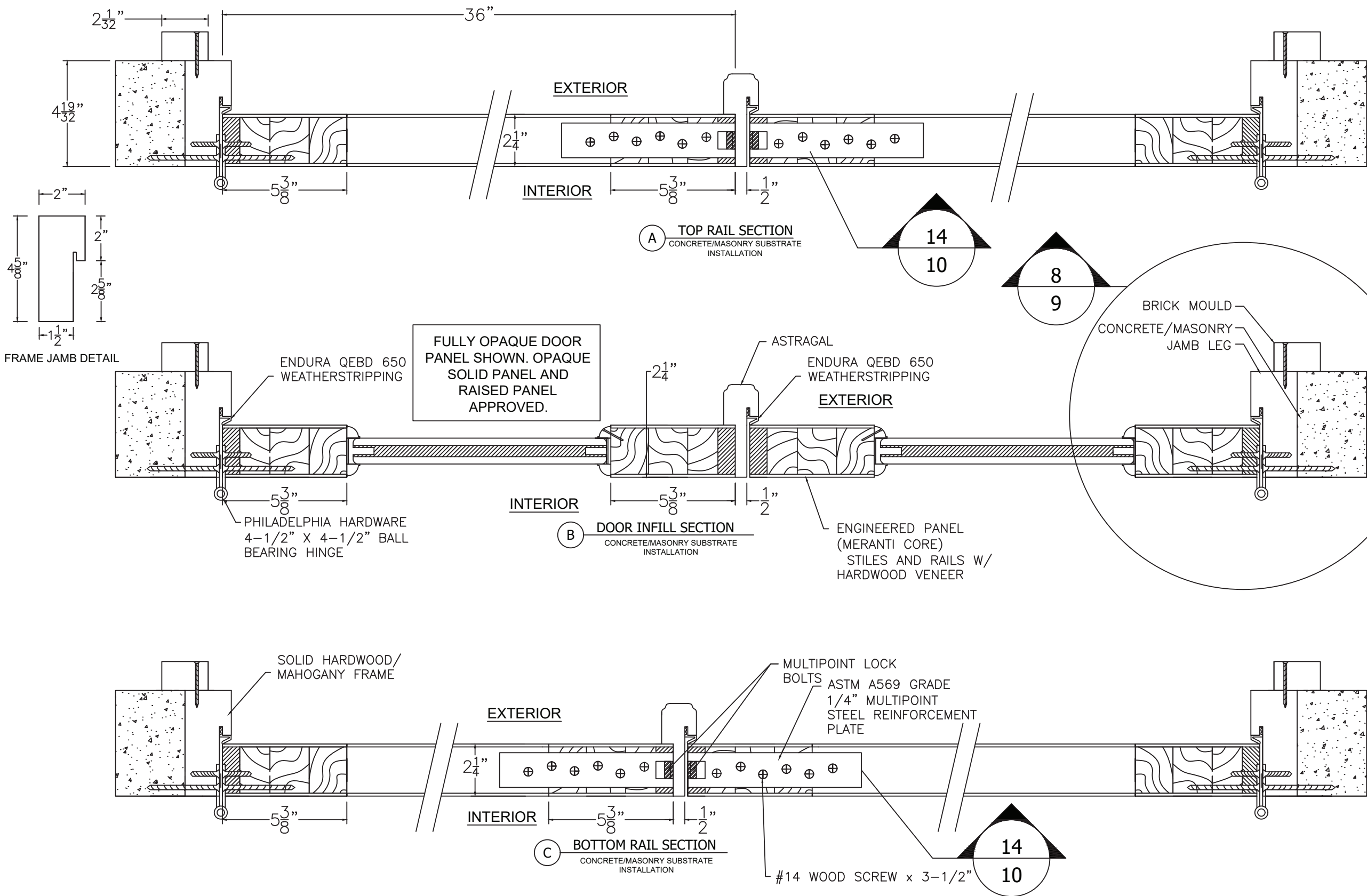
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com

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



SECTIONS

XX DOOR HORIZONTAL VIEWS
CONCRETE/MASONRY INSTALLATION



PROJECT #422-0708

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

TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque
SECTIONS - HORIZONTAL - CONCRETE/MASONRY INSTALLATION

DATE:	10/24/2022	REVISION:	9/2/2022	BY:	RJA
DRAWING NO:	DSA0010	REVISION:	A	DESCRIPTION:	REVISED FOR MD COMMENTS
SHEET:	14 OF 17	REVISION:		DESCRIPTION:	

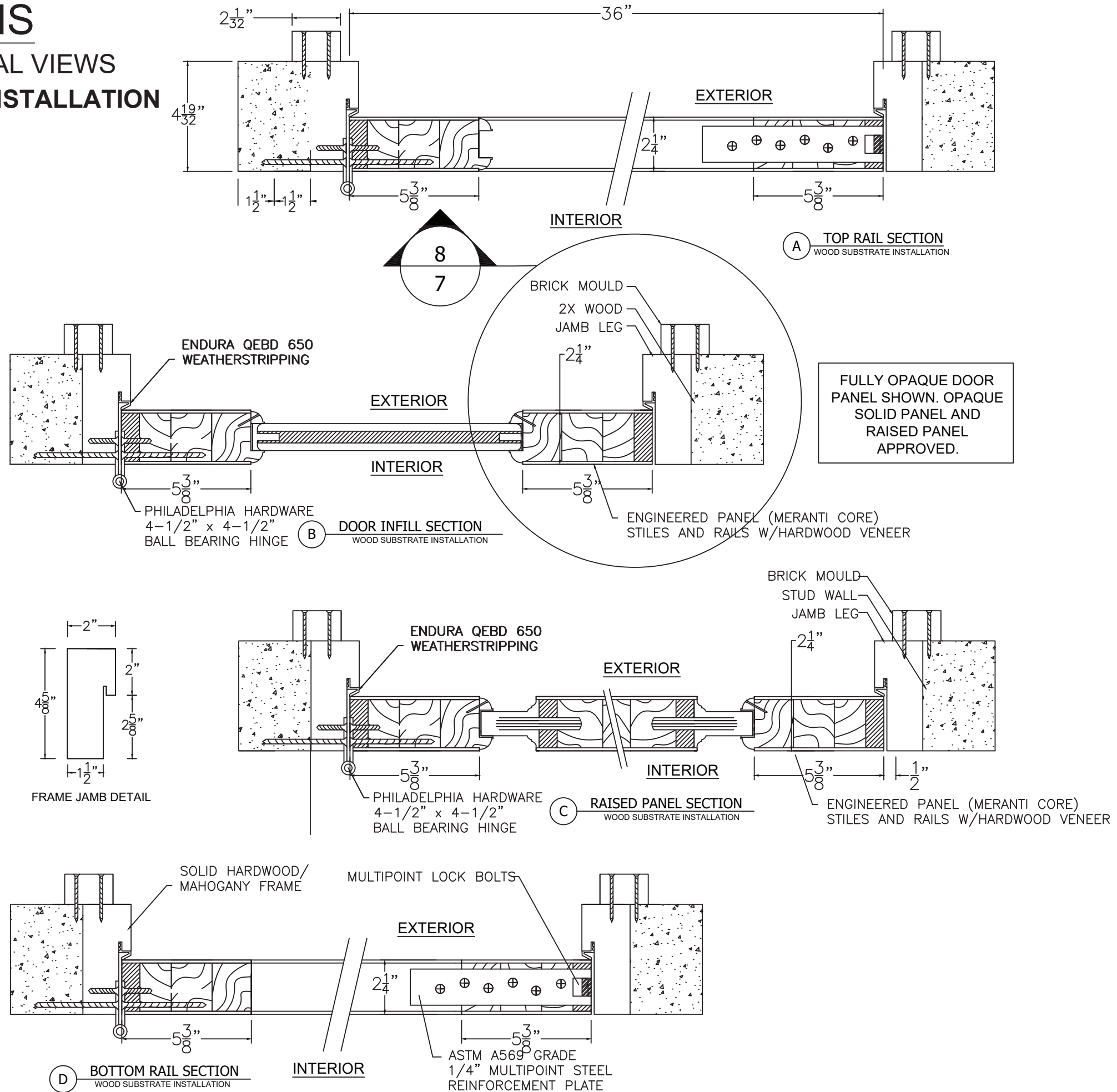
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



SECTIONS

X DOOR HORIZONTAL VIEWS

CONCRETE/MASONRY INSTALLATION



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

MODEL: Complete Collection, Single and Double Doors, Inswing, Opaque
SECTIONS - HORIZONTAL - CONCRETE/MASONRY INSTALLATION

PREPARED BY:

PTC PRODUCT DESIGN GROUP, LLC

PO BOX 520775
LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 25935

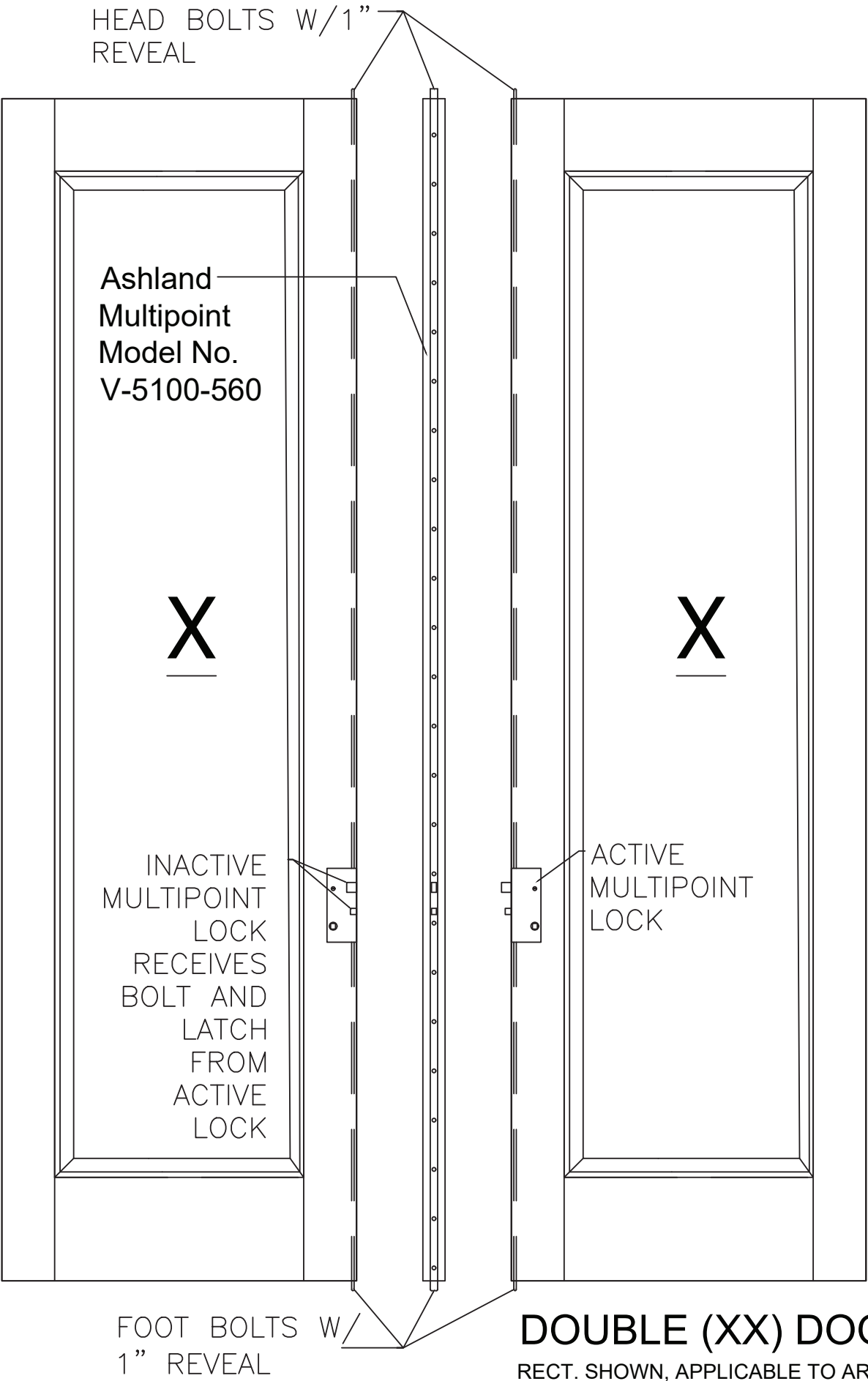
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com

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Florida P.E. No. 49752

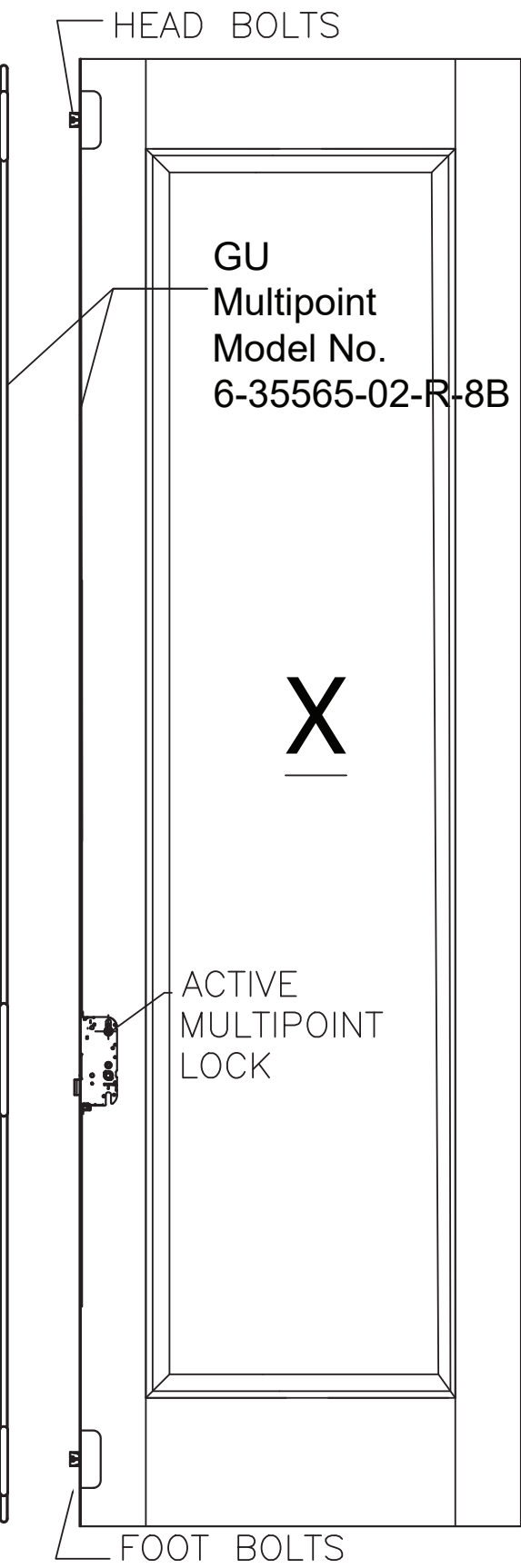


XX PANEL
DETAILS

MULTIPOINT LOCK LAYOUT
RECTANGULAR PANELS
SHOWN
ARCH TOP PANELS SAME
(SEE SHEETS 15A, 15B &
15C FOR ADDITIONAL
DETAILS)



DOUBLE (XX) DOORS
RECT. SHOWN, APPLICABLE TO ARCH TOP



SINGLE (X) DOOR
RECT. SHOWN, APPLICABLE TO ARCH TOP

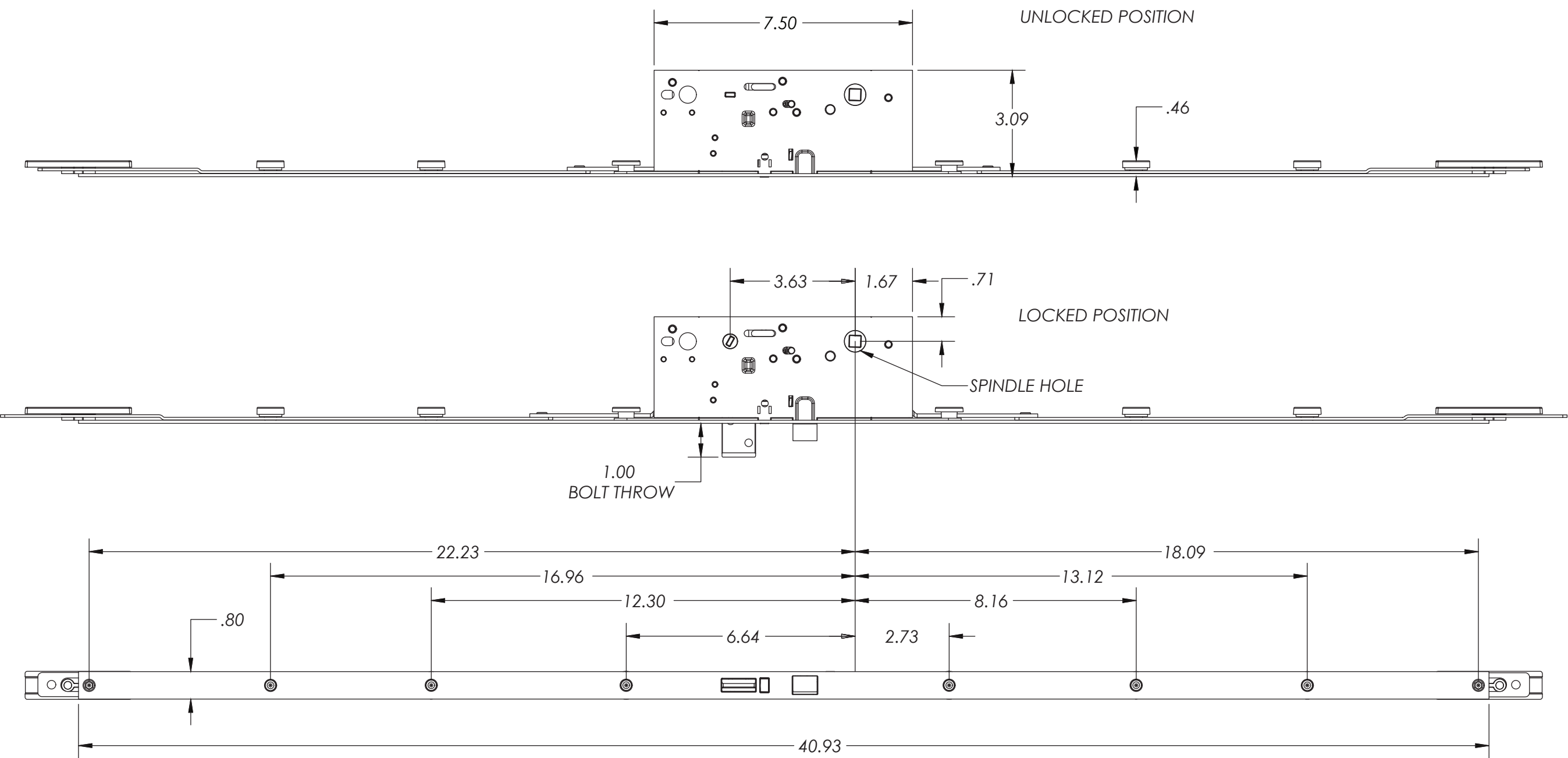
PROJECT #422-0708				RJA	BY
				9/2/2022	DATE
				REVISED FOR MD COMMENTS	DESCRIPTION
The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617	TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque MULTIPOINT LOCK LAYOUT	DRAWN BY:	RJA	DATE:	10/24/2022
		SCALE:	N.T.S.	DRAWING NO.:	DSA0010
		REV:	A	SHEET:	15 OF 17
PREPARED BY:		PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FL 32075 FBPE CA, INC 28335			
The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617		PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FL 32075 FBPE CA, INC 28335			

Robert J. Amoruso, P.E.
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XX PANEL RECT. & ARCH TOP DETAILS

ASHLAND MULTIPOINT LOCK LAYOUT

Ashland Multipoint Model No. V-5100-560



PROJECT #422-0708

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

The Door Store of America, Inc.

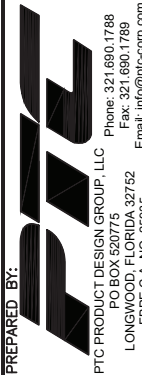
10681 World Trade Blvd

Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque

MULTIPOINT LOCK LAYOUT

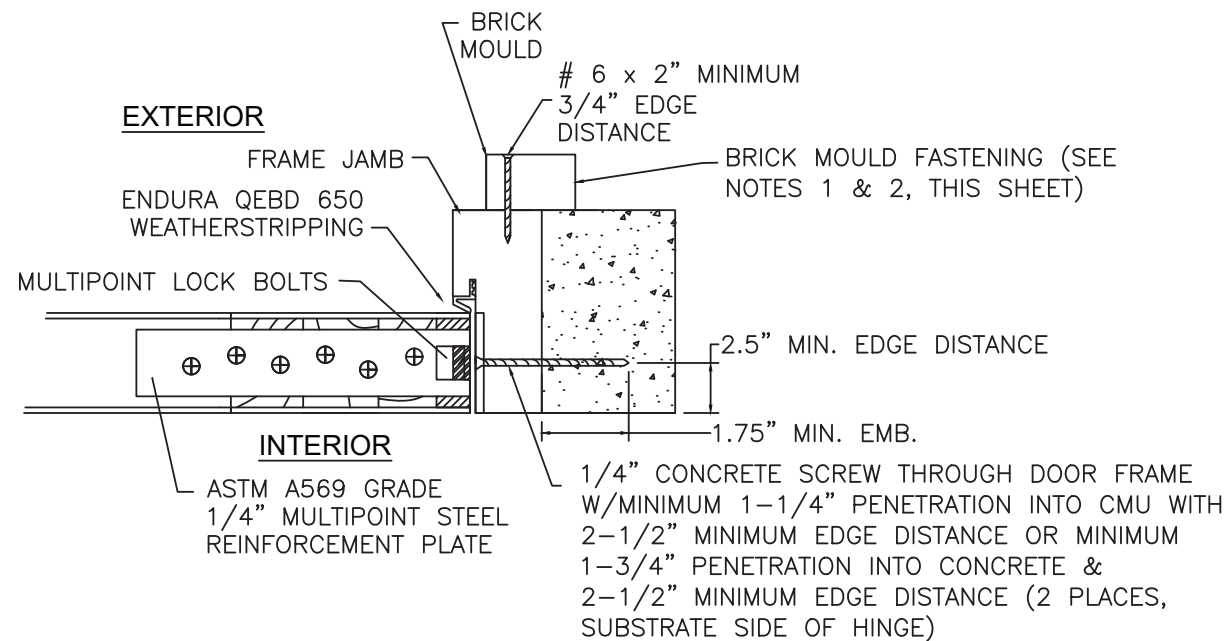
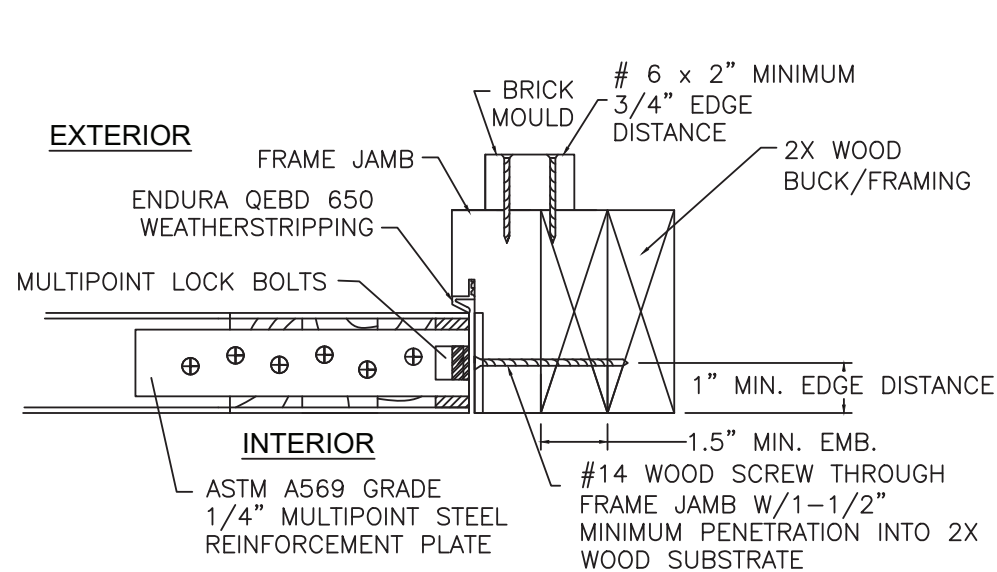
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DRAWING NO:	DSA0010
SHEET:	15A OF 17
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	A



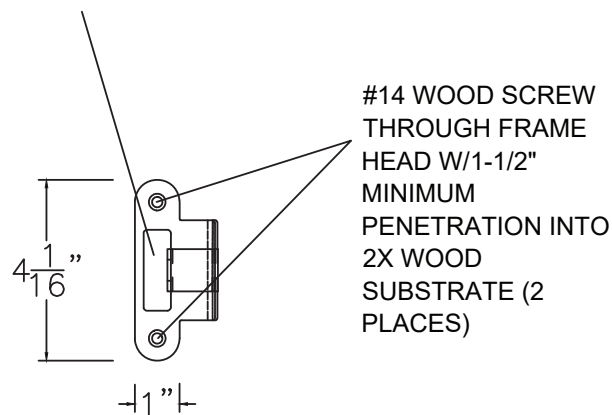
PTC PRODUCT DESIGN GROUP, LLC
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LONGVIEW, TX 75607
Phone: 321.690.1788
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Email: info@ptc-corp.com
FBPE C.A. NO. 29335

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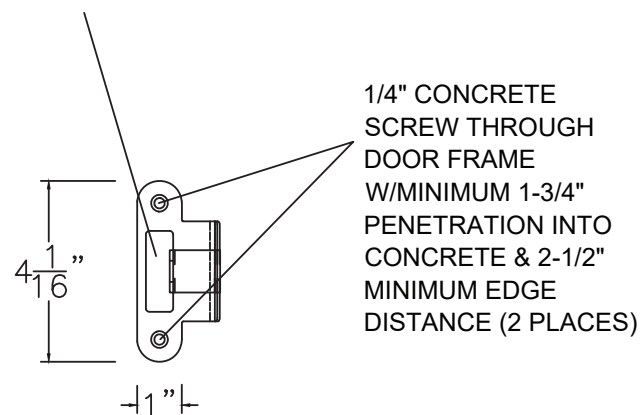
MULTIPOINT HEAD & FOOT
BOLTS ENGAGE INTO PLATE



NOTES:

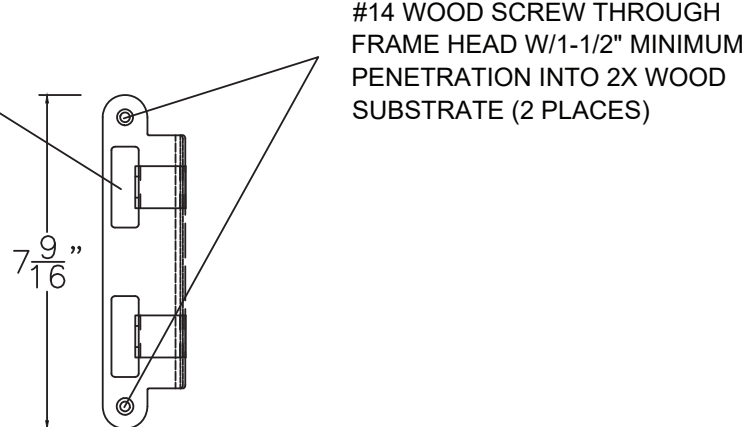
1. BRICK MOULD INSTALLATION SHALL USE NO. 6 WOOD SCREW X 2" MINIMUM LENGTH FOR BRICK MOULD-TO-DOOR FRAME INSTALLATION
2. ALL ADDITIONAL FASTENING INCLUDING THE USE OF SEALANTS SHALL BE AT THE DISCRETION OF THE INSTALLER OR AS RECOMMENDED BY THE DOOR MANUFACTURER.

MULTIPOINT HEAD & FOOT
BOLTS ENGAGE INTO PLATE

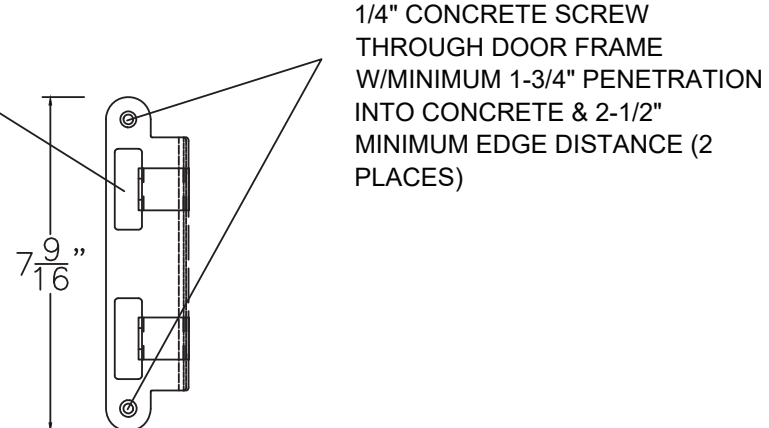


X PANEL RECT. & ARCH TOP DETAILS GU MULTIPOINT LOCK INSTALLATION

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, Inswing, Opaque
MULTIPOINT LOCK LAYOUT

PREPARED BY: RJA
DATE: 10/24/2022
DRAWING NO: DSA0010
SHEET: 15C OF 17
SCALE: N.T.S.
REV: A

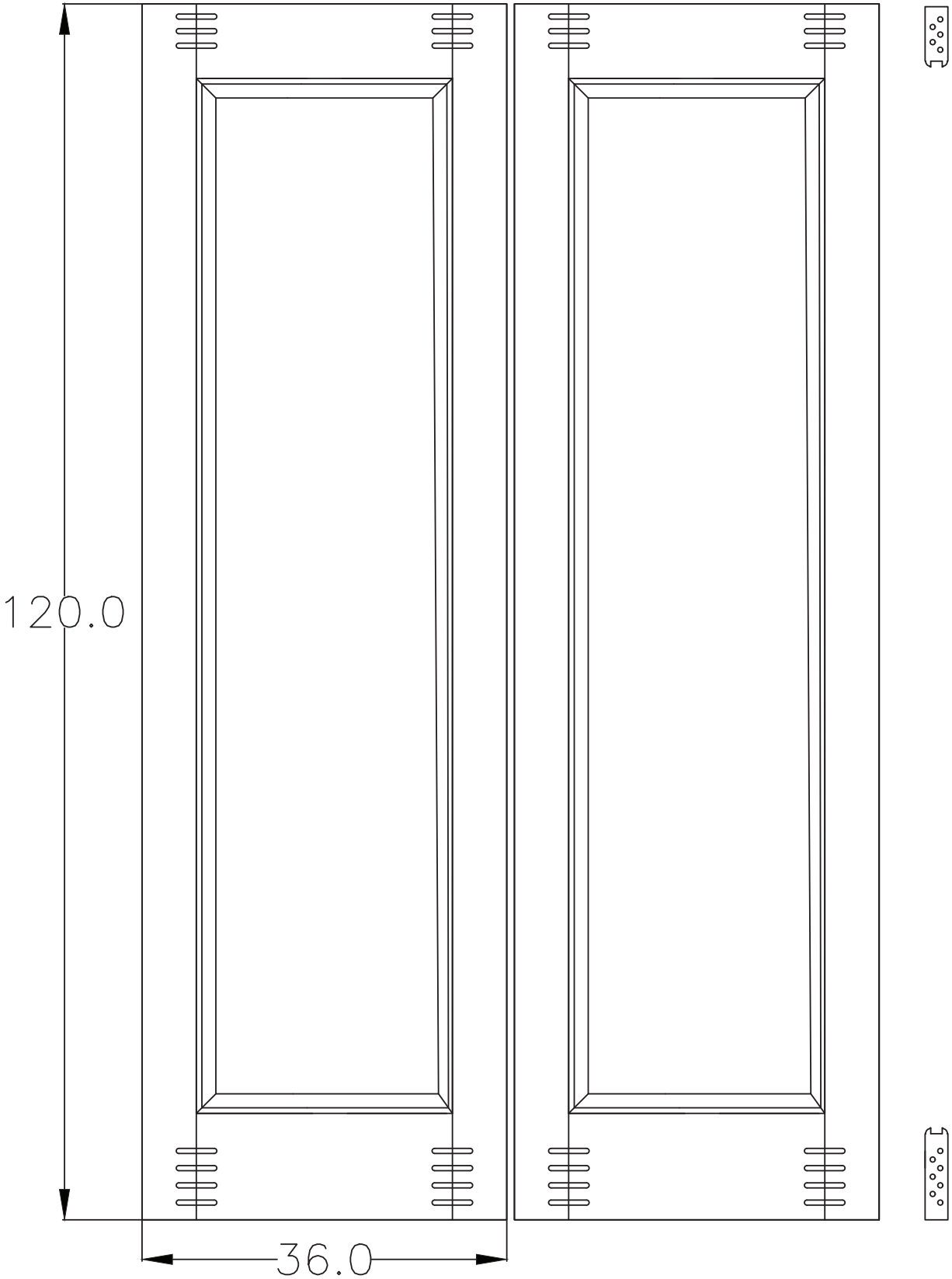
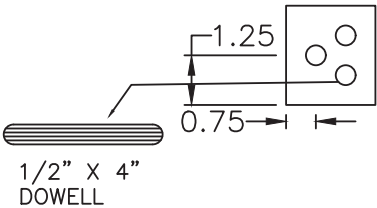
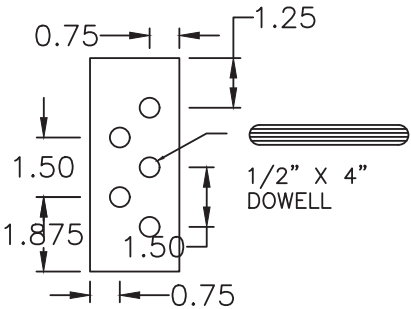
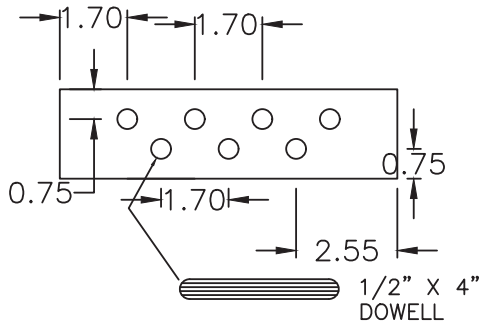
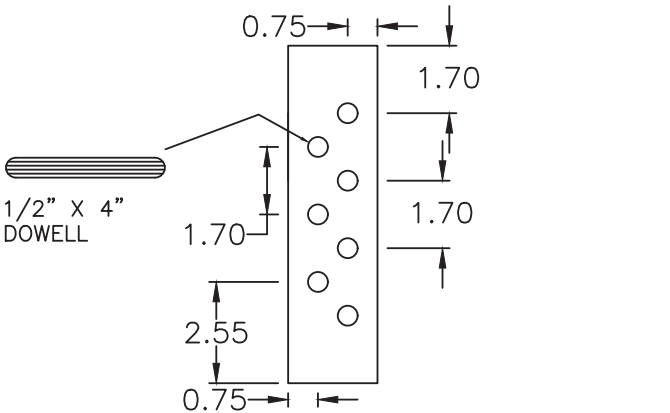
PTC PRODUCT DESIGN GROUP, LLC
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PANEL CONSTRUCTION DETAIL (X & XX)

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

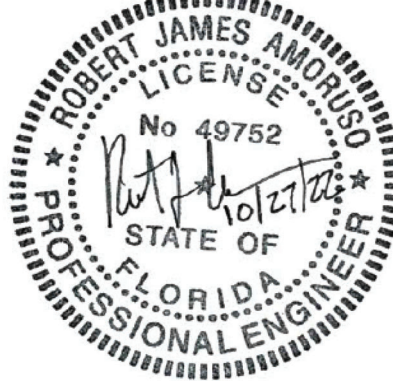


The Door Store of America, Inc.
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque
PANEL CONSTRUCTION - MULTIPOINT LOCK DETAIL

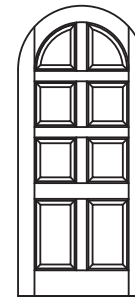
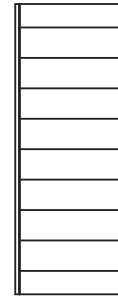
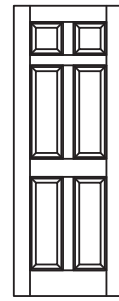
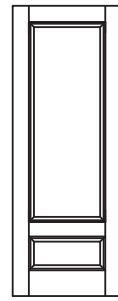
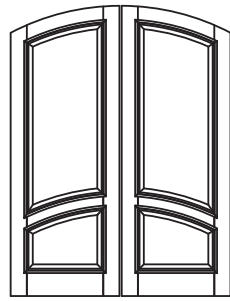
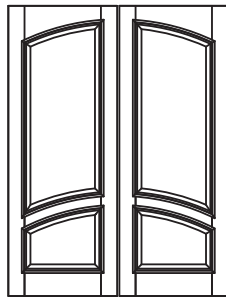
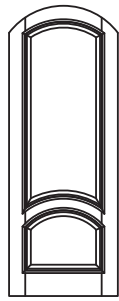
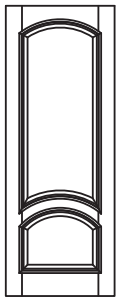
PREPARED BY: DATE: 10/24/2022
DRAWN BY: RJA SCALE: N.T.S. SHEET: 16 OF 17
PTC PRODUCT DESIGN GROUP, LLC Phone: 321.690.1788
PO BOX 520775 LONGWOOD, FL 32752 Fax: 321.690.1789
FBI PC A, INC. 125935 Email: info@ptc-corp.com

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



APPROVED CONFIGURATIONS

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



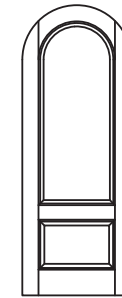
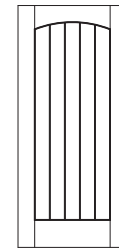
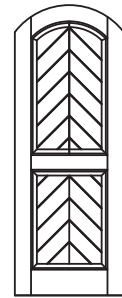
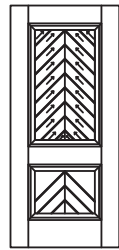
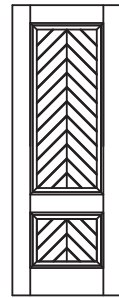
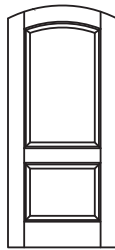
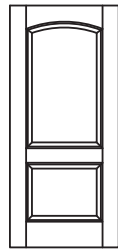
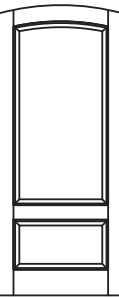
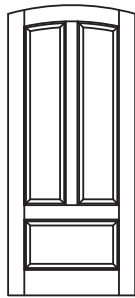
Aberdeen

Alexandria

Colonial

Milan

Meadowlands



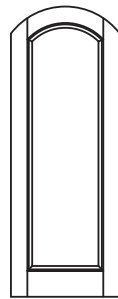
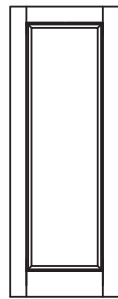
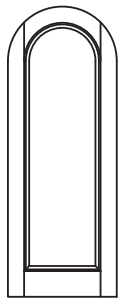
Trinity

Belle Meade

Manchester

Tuscany

Pinehurst



Full Views

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

The Door Store of America, Inc. 10681 World Trade Blvd Raleigh, NC 27617	
TITLE: Complete Collection, Single and Double Doors, Inswing, Opaque	
APPROVED CONFIGURATIONS	
PREPARED BY:	DATE:
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N.T.S.	DSA0010
REV:	SHEET:
A	17 OF 17

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