

# The Door Store of America, Inc.

## 7/0 x 8/0 Double Full Lite/2 Panels

### INSTALLATION ANCHORAGE DETAILS

#### INSTALLATION NOTES:

- SEE ELEVATION (SHEET 3), SECTION VIEWS (SHEETS 7 AND 8) AND DETAILS (SHEETS 5 AND 6) FOR INSTALLATION ANCHOR TYPE, LOCATION, QUANTITY AND PLACEMENT IN 2X WOOD FRAMING OR 2X WOOD BUCKING. FOR INSTALLATION ANCHORS IN CONCRETE AND MASONRY CONSTRUCTION, SEE NOTE 2 BELOW.
- INSTALLATIONS DETAILS DEPICTED IN THIS PRODUCT APPROVAL DOCUMENT USE WOOD SCREWS EMBEDDED INTO SUPPORTING SUBSTRATE THAT IS EITHER 2X WOOD FRAMING OR 2X WOOD BUCKING STRUCTURALLY ATTACHED TO CONCRETE/MASONRY SUBSTRATE. WHERE INSTALLATION ANCHORS ARE EMBEDDED INTO CONCRETE/MASONRY EITHER WITH/WITHOUT 1X WOOD BUCKING, CONCRETE SCREWS SHALL BE USED. THE FOLLOWING TYPES OF INSTALLATION FASTENERS SHALL BE EMPLOYED BASED ON THE SUPPORTING SUBSTRATE AS FOLLOWS.

- 2X WOOD FRAMING OR BUCKING AT HEAD, SILLS OR JAMBS
  - INSTALLATION DETAILS SHOWN ON SHEETS 3 THROUGH 7 DEPICT INSTALLATION REQUIREMENTS USING NO. 12 WOOD SCREWS.
  - SEE NOTE 3 BELOW FOR SCREWS SPECIFICATIONS, MINIMUM EMBEDMENT, SPACING AND EDGE DISTANCES.
- CONCRETE OR MASONRY AT HEAD, SILLS OR JAMBS (OPTIONAL 1X WOOD BUCK ALLOWED)
  - 1/4" DIAMETER DEWALT ULTRACON CONCRETE SCREWS SHALL BE USED IN LIEU OF NO. 12 WOOD SCREWS IN ALL LOCATIONS WHERE SUPPORTING SUBSTRATE IS CONCRETE OR MASONRY EXCEPT AS NOTED IN NOTE 2.2.2 BELOW.
  - 3/16" DIAMETER DEWALT ULTRACON CONCRETE SCREWS SHALL BE USED IN LIEU OF NO. 12 WOOD SCREWS IN ALL LOCATIONS WHERE SUPPORTING SUBSTRATE IS CONCRETE OR MASONRY IN THE FOLLOWING INSTANCES.
    - DETAIL 1, SHEET 5 - TOP STRIKE PLATE.
    - DETAIL 2, SHEET 5 - BOTTOM STRIKE PLATE.
    - DETAIL 3, SHEET 5 - THRESHOLD SECTION.
    - DETAIL 4, SHEET 5 - CLOSED HINGE (APPLICABLE TO #12 X 3-1/2" WS LOCATION ONLY).
    - DETAIL 5, SHEET 5 - OPEN HINGE (APPLICABLE TO #12 X 3-1/2" WS LOCATION ONLY).
    - DETAIL 6, SHEET 6 - JAMB ANCHORAGE AT HINGE (APPLICABLE TO #12 X 3-1/2" WS LOCATION ONLY).

- INSTALLATION SCREW (ANCHORAGE) SPECIFICATION
  - NO. 12 WOOD SCREWS AT THE LENGTHS SHOWN IN THE INSTALLATION DETAILS.
    - WOOD SCREWS SHALL MEET ANSI B18.6.1 AND BE A MINIMUM GRADE 2 STRENGTH
    - 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.
    - MINIMUM EDGE DISTANCE AND SPACING BETWEEN SCREW IS 7/8".
  - 1/4" DIAMETER DEWALT ULTRACON CONCRETE SCREWS
    - MINIMUM EMBEDMENT IS 1-3/4" IN CONCRETE AND 1-1/4" IN MASONRY (CMU).
    - MINIMUM EDGE DISTANCE IS 2-1/2".
    - MINIMUM SPACING BETWEEN SCREWS IS 1-1/2".
  - 3/16" DIAMETER DEWALT ULTRACON CONCRETE SCREWS
    - MINIMUM EMBEDMENT IS 1-3/4" IN CONCRETE AND 1-1/4" IN MASONRY (CMU).
    - MINIMUM EDGE DISTANCE IS 2-1/2".
    - MINIMUM SPACING BETWEEN SCREWS IS 1-1/8".
  - 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.

- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION AT THE MAXIMUM SIZE SHOWN. SMALLER PRODUCT 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.

- 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

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

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

| PERFORMANCE RATING                                                                                                                                                                                                                                                         |                                         |                          |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------|-----------------------------|
| DESIGN PRESSURE RATING (PSF)                                                                                                                                                                                                                                               |                                         | WATER PENETRATION RATING | IMPACT RATING               |
| MAXIMUM UNIT DIMENSIONS AND GLAZING                                                                                                                                                                                                                                        | UP TO O.A. SIZE SHOWN ON ELEVATION VIEW |                          |                             |
| 88" X 99-1/8" XX INSWING                                                                                                                                                                                                                                                   | ±50.0                                   | NONE (1)                 | WIND ZONE 4 MISSILE LEVEL D |
| NOTE 1: PRODUCT NOT TESTED FOR WATER PENETRATION RESISTANCE. THEREFORE 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. |                                         |                          |                             |

#### GENERAL NOTES:

- 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, 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 0924.01-13 DATED 10/28/13 AND ASSOCIATED LABORATORY STAMPED DRAWINGS. TESTING WAS PERFORMED TO THE FOLLOWING:
  - ASTM E330-02
  - ASTM E283-04
  - ASTM E1886-05
  - ASTM E1996-09

- 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.

- 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.

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

- DOOR FRAME AND PANEL MATERIAL: MAHOGANY

- GLAZING:
  - 1" OVERALL THICKNESS: 5/32" TEMPERED, AIR SPACE (XL EDGE SPACER), 5/16" LAMINATED (1/8" ANNEALED/ KURARAY TROSIFOL (formally BUTACITE) .090 PVB INTERLAYER/ 1/8" ANNEALED) BY CARDINAL GLASS INDUSTRIES INC. GLAZED USING DOW 995 STRUCTURAL ADHESIVE GRADE SEALANT.
  - GLASS MEETS THE REQUIREMENTS OF ASTM E1300-16
  - GLASS SHALL COMPLY WITH THE SAFETY GLAZING REQUIREMENTS OF THE FLORIDA BUILDING CODE, SECTION 2406.
  - 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.

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

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

- X: OPERABLE PANEL
- O: FIXED PANEL

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

- MULTI-POINT LOCK AND HANDLES BY ASHLAND HARDWARE.
- HINGES: (8) STEEL 4-1/2" X 4-1/2" BALL BEARING HINGES BY CAL ROYAL.

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PROJECT #ACE-2025-135

|                                   |     |                                   |     |                        |     |             |     |
|-----------------------------------|-----|-----------------------------------|-----|------------------------|-----|-------------|-----|
| 7/1/26                            | RJA | 7/1/26                            | RJA | 10/14/20               | RJA | DATE        | BY  |
| UPDATED TO 9TH EDITION (2026) FBC | C   | UPDATED TO 8th EDITION (2023) FBC | B   | UPDATED TO CURRENT FBC | A   | DESCRIPTION | REV |

The Door Store of America, Inc.

10681 World Trade Blvd

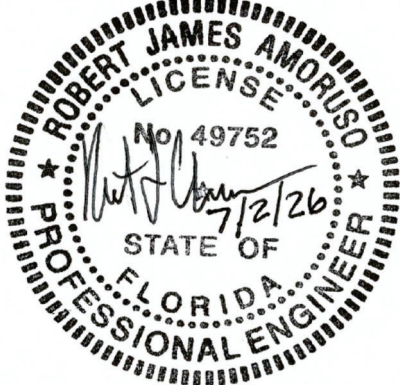
Raleigh, NC 27617

7/0 x 8/0 Double Full Lite/2 Panels

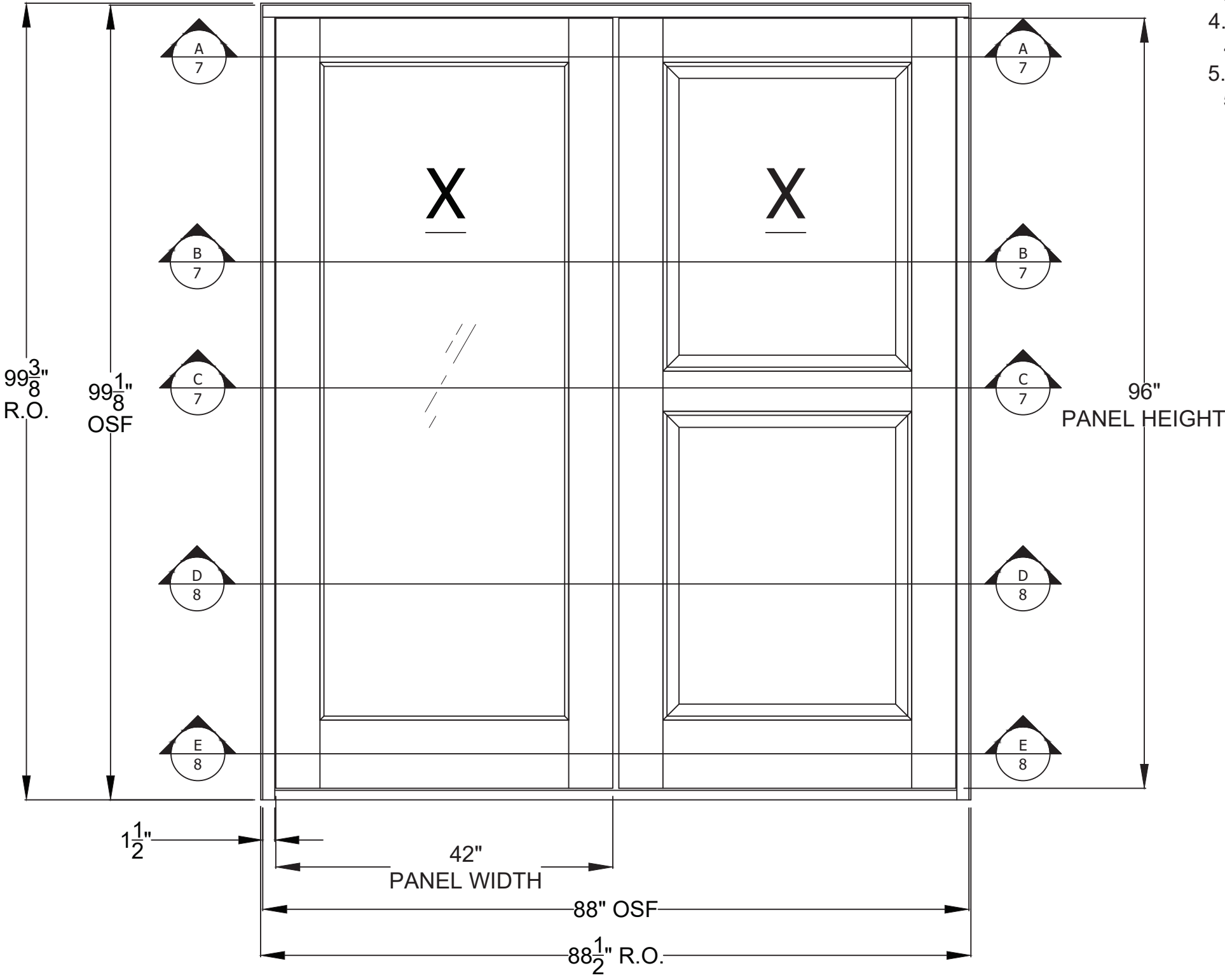
NOTES - GENERAL & INSTALLATION

|                                                                                                                                       |        |             |         |
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| SCALE:                                                                                                                                | N.T.S. | DRAWING NO: | DSA0003 |
| REV:                                                                                                                                  | C      | SHEET:      | 1 OF 10 |
| AMORUSO CONSULTING ENG., LLC<br>FBPE REGISTRATION NO. 38327<br>226 N NOVA RD, NO. 142<br>ORMOND BEACH, FL 32174<br>RJAENGPE@GMAIL.COM |        |             |         |

Robert J. Amoruso, P.E.  
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ELEVATION  
EXTERIOR



PRODUCT LIMITATIONS:

- 1. MAXIMUM OVERALL (O.A.) FRAME SIZE
  - 1.1. 88" X 99-1/8"
- 2. MAXIMUM PANEL SIZE
  - 2.1. 42" X 96"
- 3. MINIMUM PANEL THICKNESS
  - 3.1. 2-1/4" (NOMINAL)
- 4. MAXIMUM DAYLIGHT OPENING (D.L.O.)
  - 4.1. 31" X 82"
- 5. RAISED PANEL SIZE
  - 5.1. 31" X 38-1/2"

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

TITLE: 7/0 x 8/0 Double Full Lite/2 Panels  
ELEVATION

|                              |     |             |         |
|------------------------------|-----|-------------|---------|
| DRAWN BY:                    | RJA | DATE:       | 2/7/17  |
| AMORUSO CONSULTING ENG., LLC |     | DRAWING NO: | DSA0003 |
| FBPE REGISTRATION NO: 38327  |     | SCALE:      | N.T.S.  |
| 226 N NOVA RD, NO. 142       |     | REV:        | C       |
| ORMOND BEACH, FL 32174       |     | SHEET:      | 2 OF 10 |
| RJAENGPE@GMAIL.COM           |     |             |         |

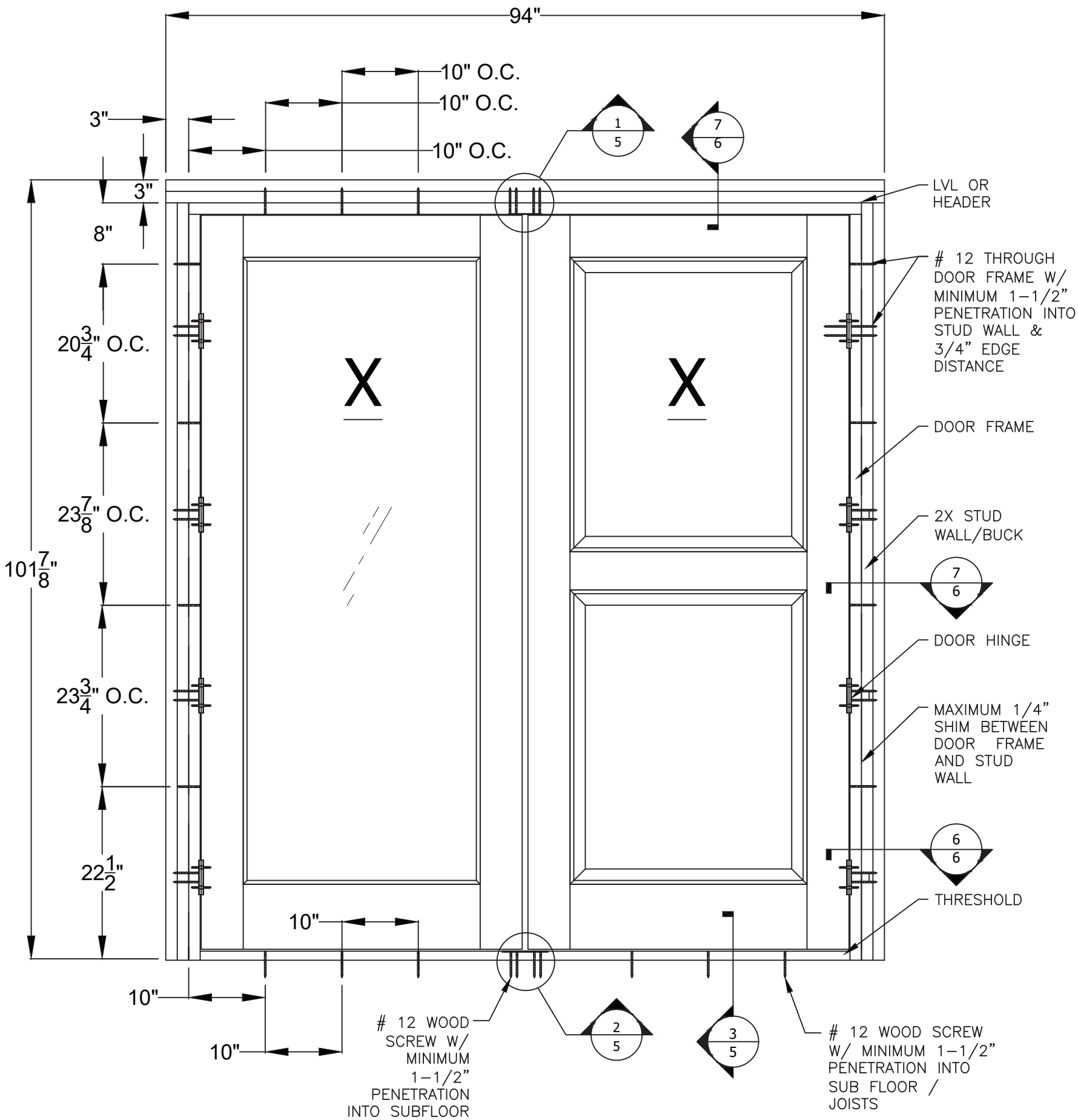
PROJECT #ACE-2025-135

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| 7/1/26                            | RJA | 7/1/23                            | RJA | 10/14/20               | RJA | DATE        | BY |
| UPDATED TO 9TH EDITION (2026) FBC | C   | UPDATED TO 8th EDITION (2023) FBC | B   | UPDATED TO CURRENT FBC | A   | DESCRIPTION |    |
|                                   |     |                                   |     |                        |     |             |    |

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ELEVATION  
INSTALLATION  
ANCHORAGE



The Door Store of America, Inc.  
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TITLE:  
7/0 x 8/0 Double Full Lite/2 Panels  
ELEVATION - ANCHOR LAYOUT

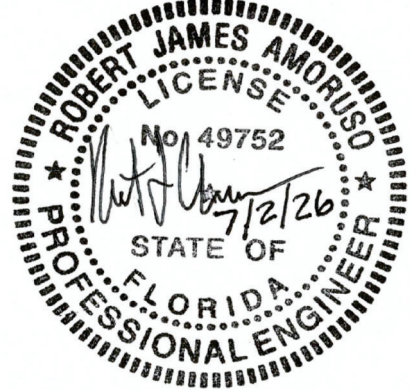
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| REV:      | C      | SHEET:      | 3 OF 10 |

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|                                   |          |             |             |
|-----------------------------------|----------|-------------|-------------|
| UPDATED TO 9TH EDITION (2026) FBC | 7/1/26   | RJA         | BY          |
| UPDATED TO 8th EDITION (2023) FBC | 7/1/23   | RJA         | DATE        |
| UPDATED TO CURRENT FBC            | 10/14/20 | RJA         | DESCRIPTION |
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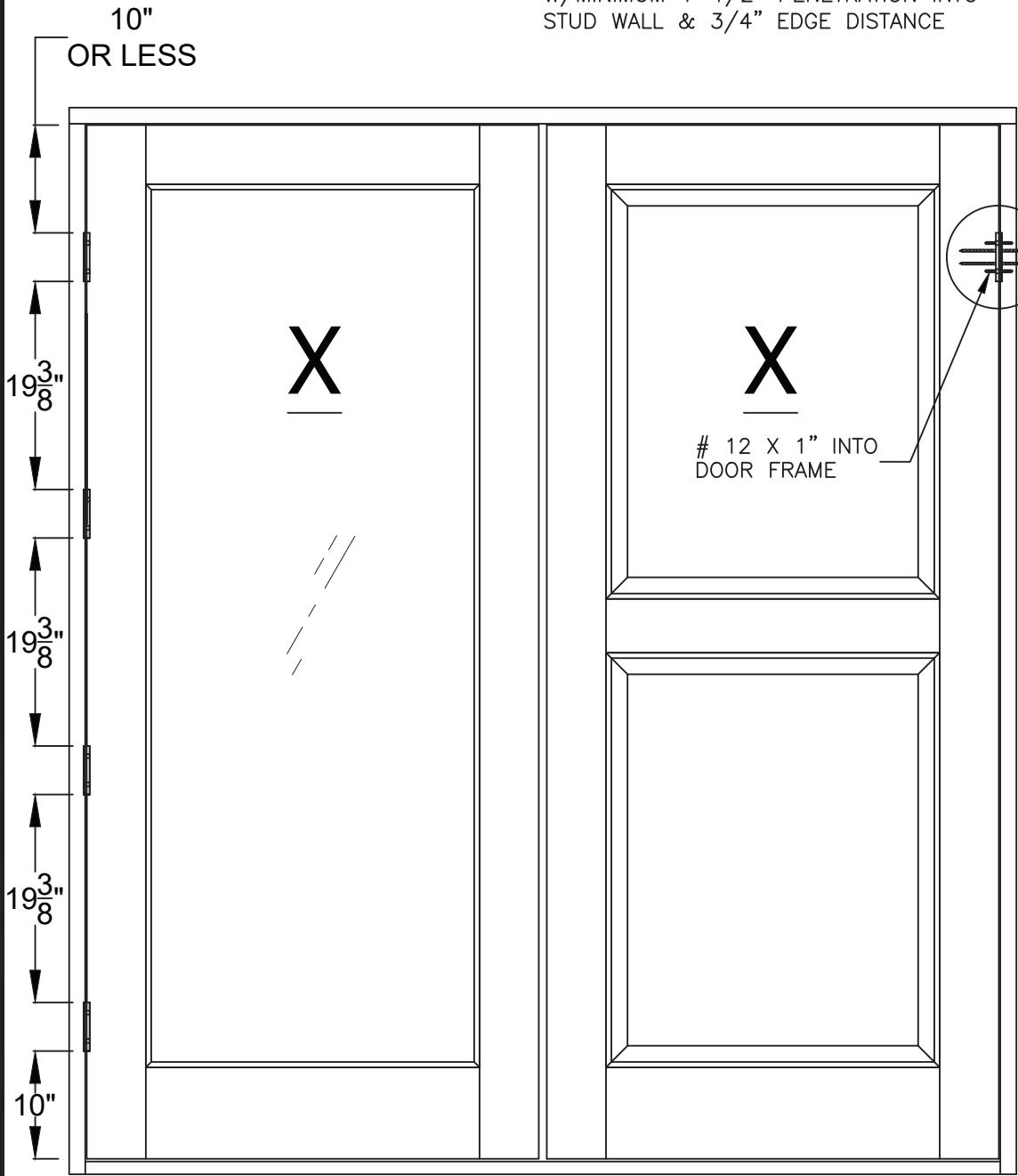
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ELEVATION

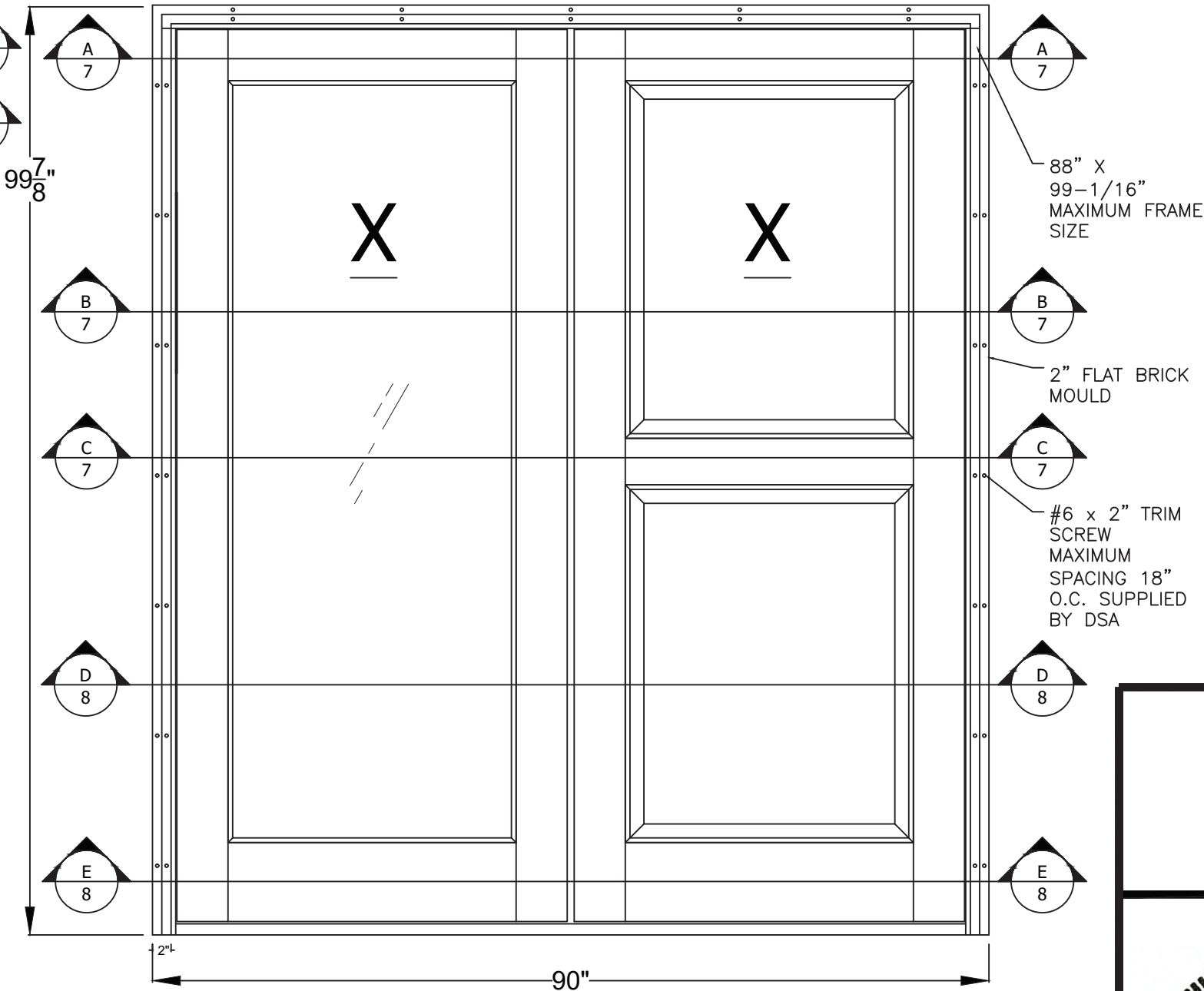
HINGE LOCATION  
AND INSTALLATION

# 12 X 3-1/2" THROUGH DOOR FRAME  
W/MINIMUM 1-1/2" PENETRATION INTO  
STUD WALL & 3/4" EDGE DISTANCE



ELEVATION

BRICK MOULD  
INSTALLATION



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

TITLE: 7/0 x 8/0 Double Full Lite/2 Panels  
ELEVATIONS - HINGES & BRICK MOULD

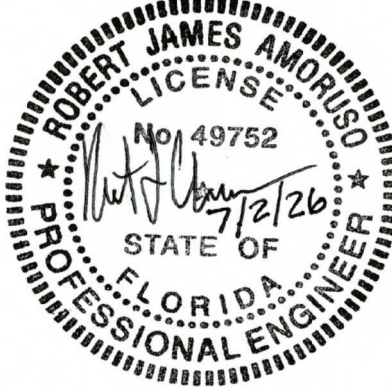
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AMORUSO CONSULTING ENG., LLC  
FBPE REGISTRATION NO: 38327

SCALE: N.T.S. DRAWING NO: DSA0003

REV: C SHEET: 4 OF 10

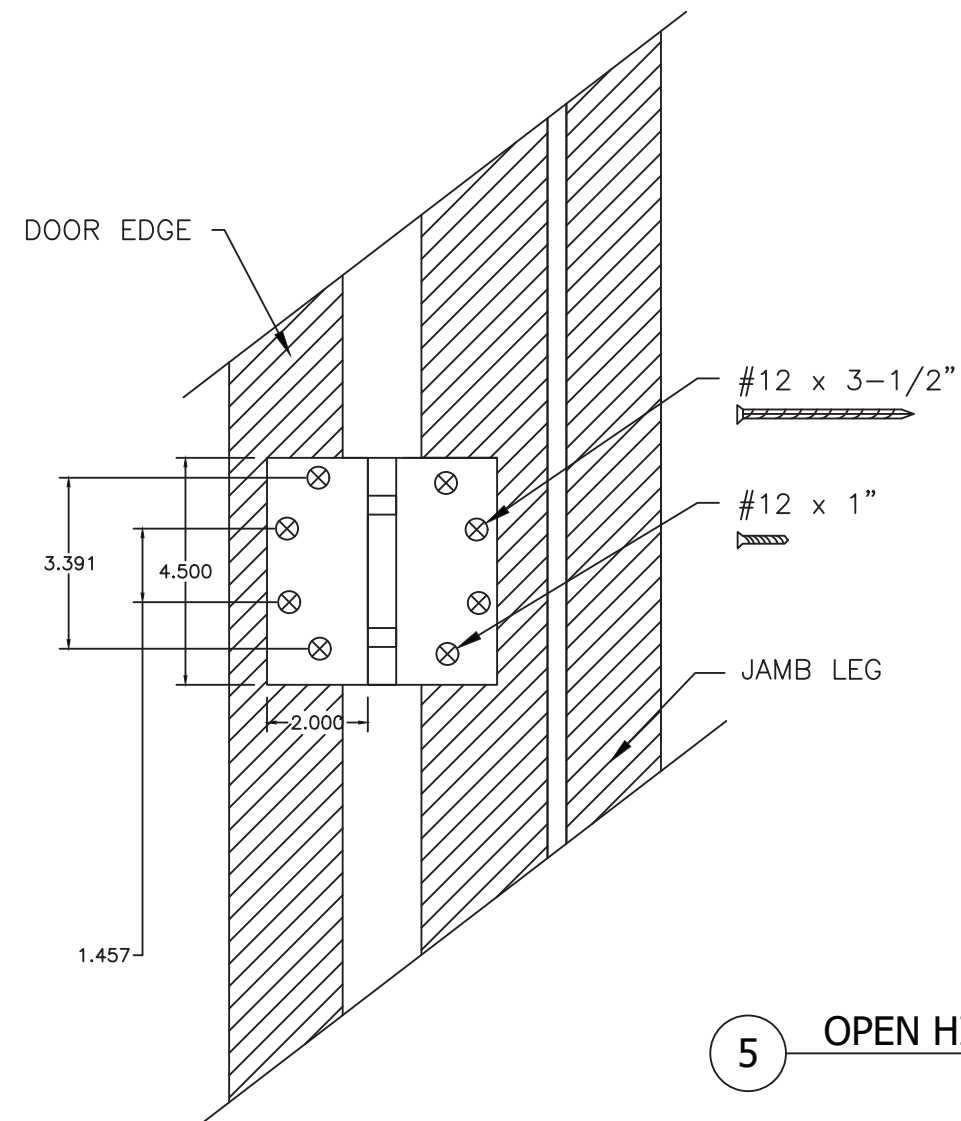
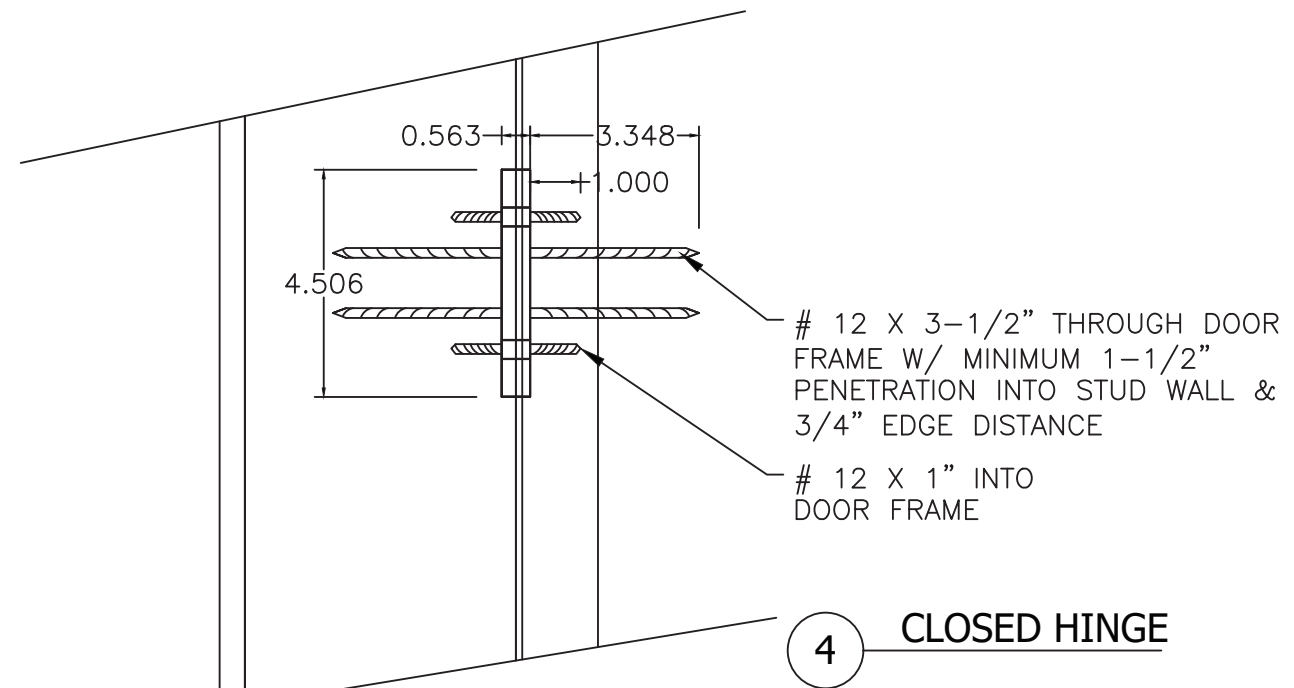
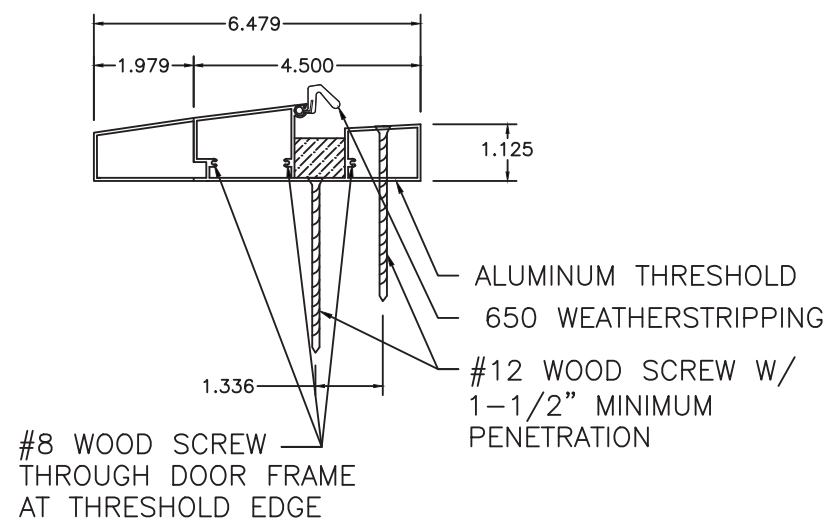
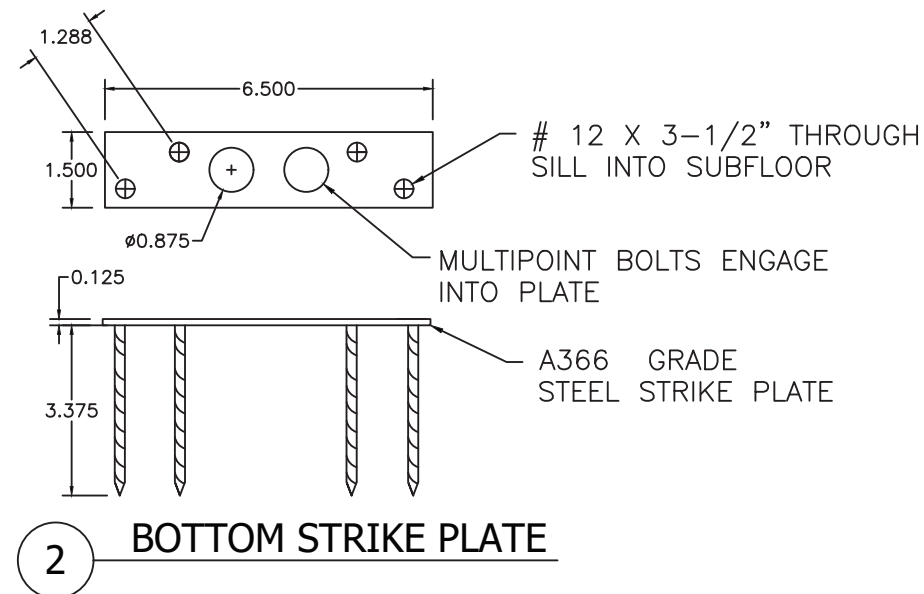
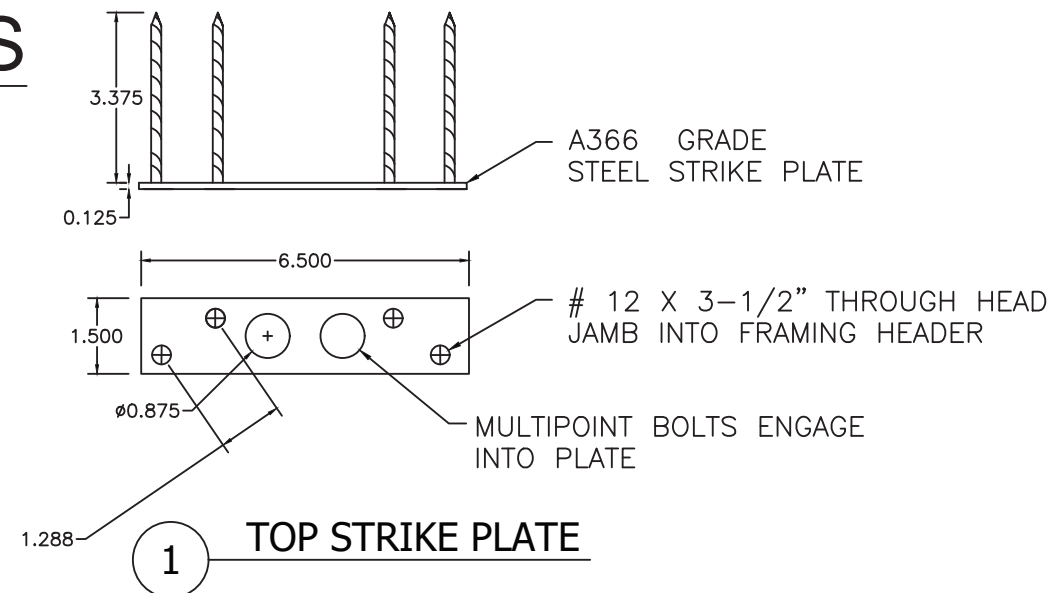
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PROJECT #ACE-2025-135

| REV | DESCRIPTION                       | DATE     | BY  |
|-----|-----------------------------------|----------|-----|
| C   | UPDATED TO 9TH EDITION (2026) FBC | 7/1/26   | RJA |
| B   | UPDATED TO 8th EDITION (2023) FBC | 7/1/23   | RJA |
| A   | UPDATED TO CURRENT FBC            | 10/14/20 | RJA |

## DETAILS

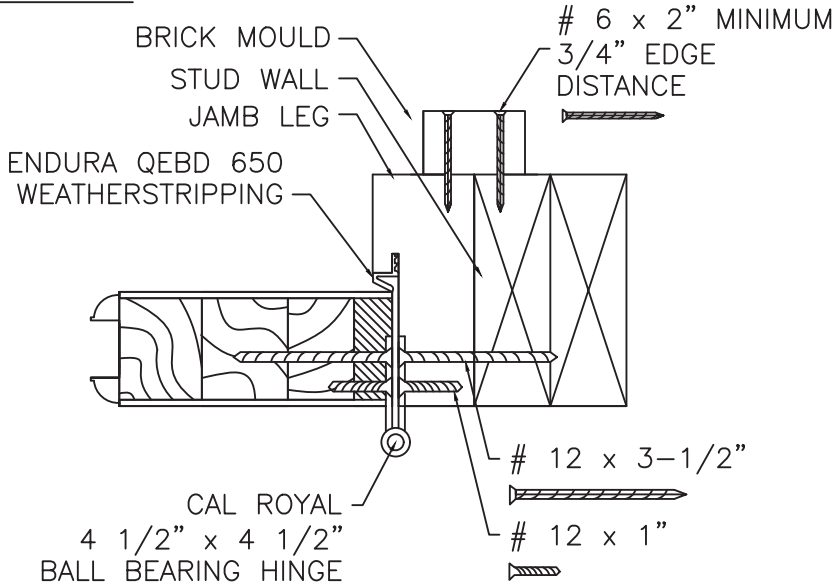


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|---------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------|-----------------------------------|----------|-----|
| The Door Store of America, Inc.<br>10681 World Trade Blvd<br>Raleigh, NC 27617                                                        |  |  |  | PROJECT #ACE-2025-135 |                                   |          |     |
| TITLE:<br><br>7/0 x 8/0 Double Full Lite/2 Panels<br>DETAILS 1 THRU 5                                                                 |  |  |  | C                     | UPDATED TO 9TH EDITION (2026) FBC | 7/1/26   | RJA |
|                                                                                                                                       |  |  |  | B                     | UPDATED TO 8th EDITION (2023) FBC | 7/10/23  | RJA |
|                                                                                                                                       |  |  |  | A                     | UPDATED TO CURRENT FBC            | 10/14/20 | RJA |
|                                                                                                                                       |  |  |  | REV                   | DESCRIPTION                       | DATE     | BY  |
| AMORUSO CONSULTING ENG., LLC<br>FBPE REGISTRATION NO. 38327<br>226 N NOVA RD, NO. 142<br>ORMOND BEACH, FL 32174<br>RJAENGPE@GMAIL.COM |  |  |  | DRAWN BY:<br>RJA      | DATE:<br>2/7/17                   |          |     |
|                                                                                                                                       |  |  |  | SCALE:<br>N.T.S.      | DRAWING NO:<br>DSA0003            |          |     |
|                                                                                                                                       |  |  |  | REV:<br>C             | SHEET:<br>5 OF 10                 |          |     |

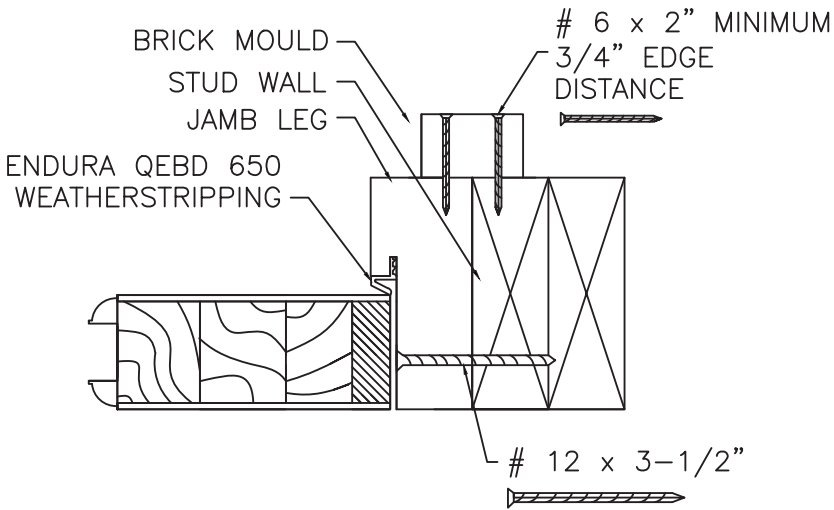
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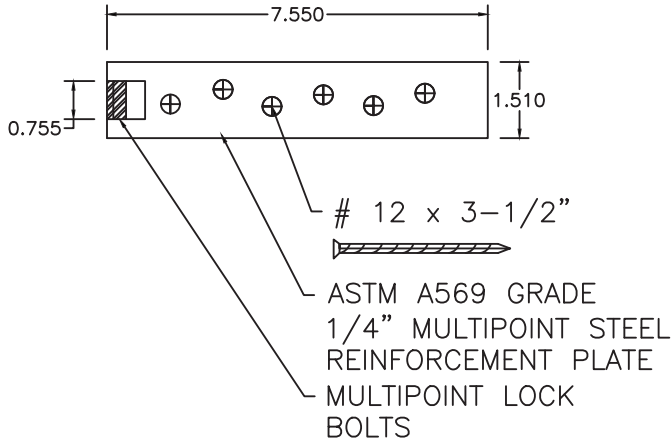
DETAILS



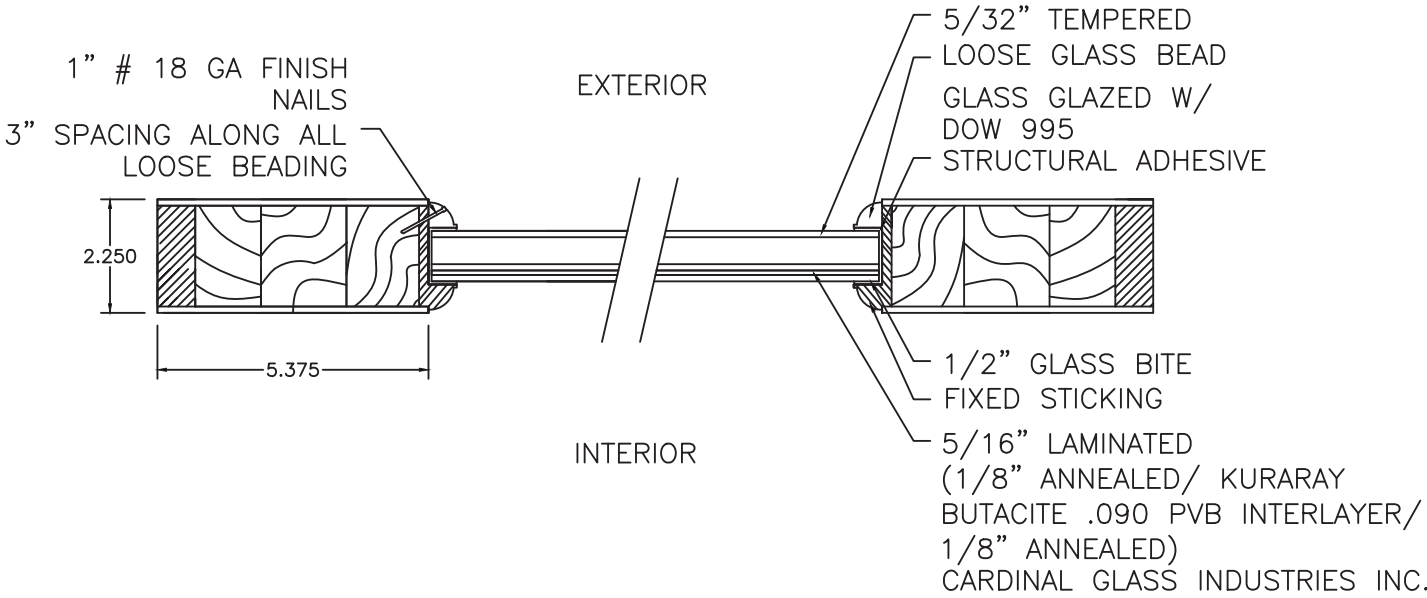
6 JAMB ANCHORAGE @ HINGE



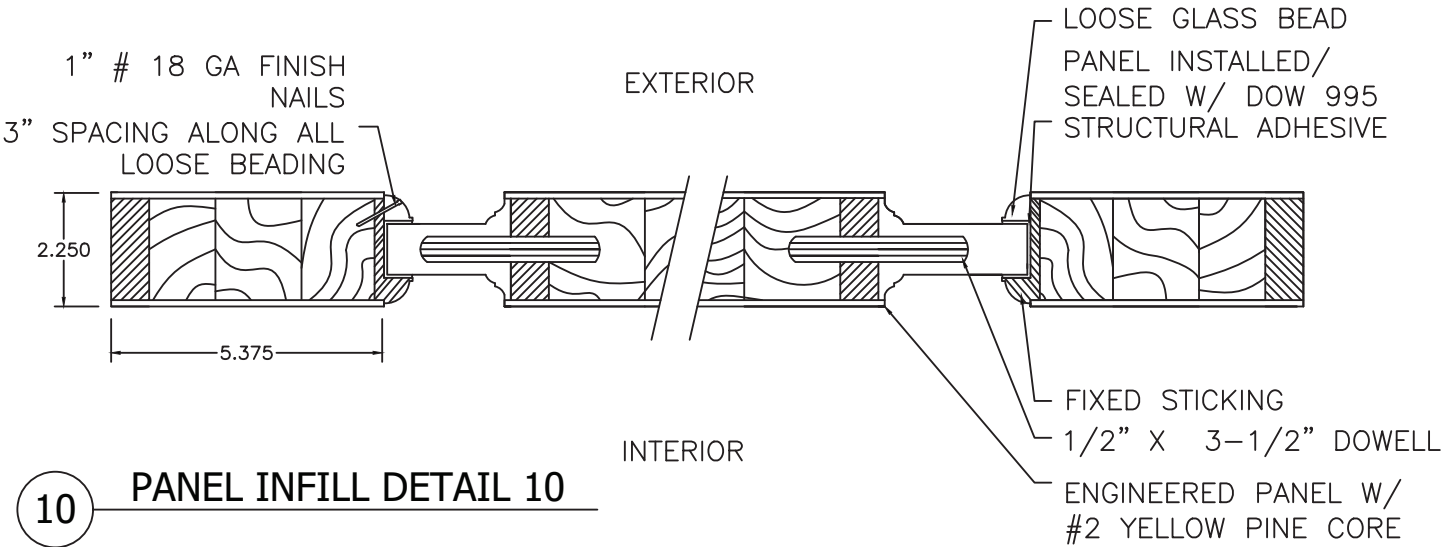
7 JAMB ANCHORAGE (HEAD ANCHORAGE SAME)



8 REINFORCEMENT PLATE AT MULTIPOINT LOCK



9 PANEL GLAZING DETAIL 9



10 PANEL INFILL DETAIL 10

PROJECT #ACE-2025-135

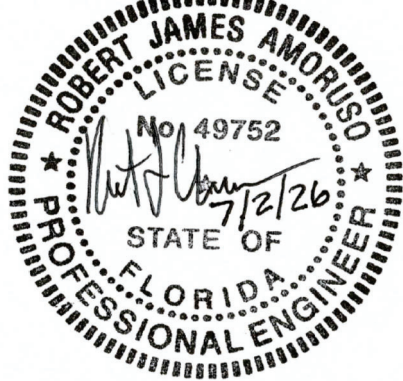
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|-----|-----------------------------------|----------|-----|
| C   | UPDATED TO 9TH EDITION (2026) FBC | 7/1/26   | RJA |
| B   | UPDATED TO 8TH EDITION (2023) FBC | 7/1/23   | RJA |
| A   | UPDATED TO CURRENT FBC            | 10/14/20 | RJA |

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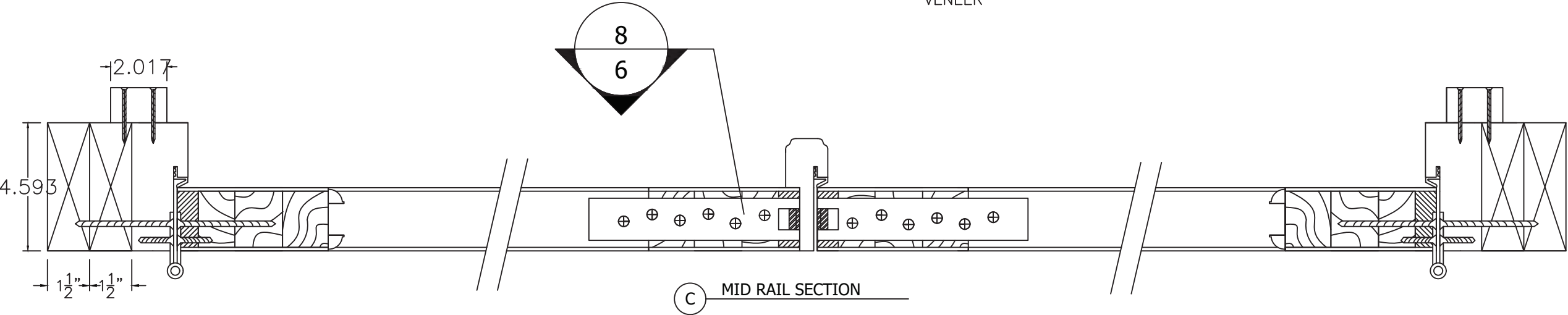
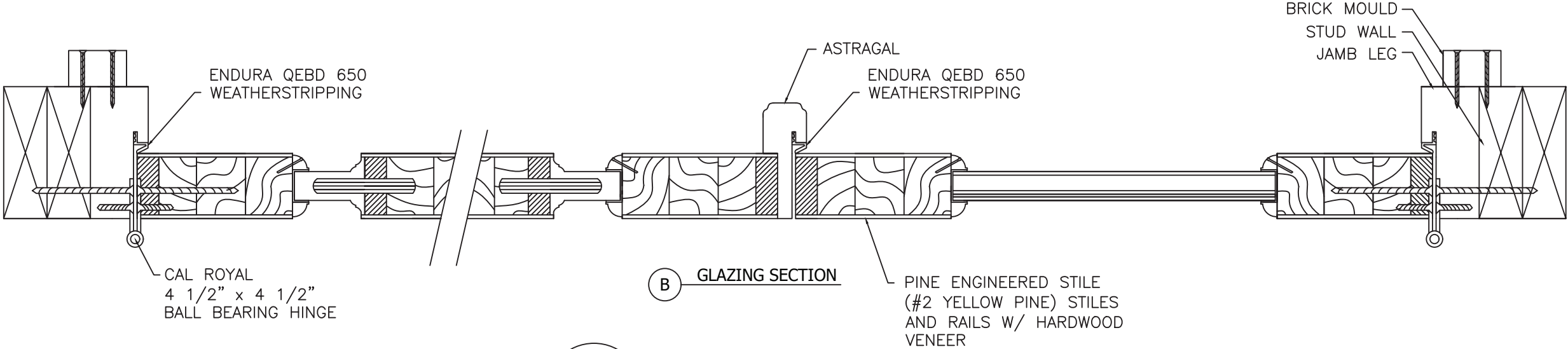
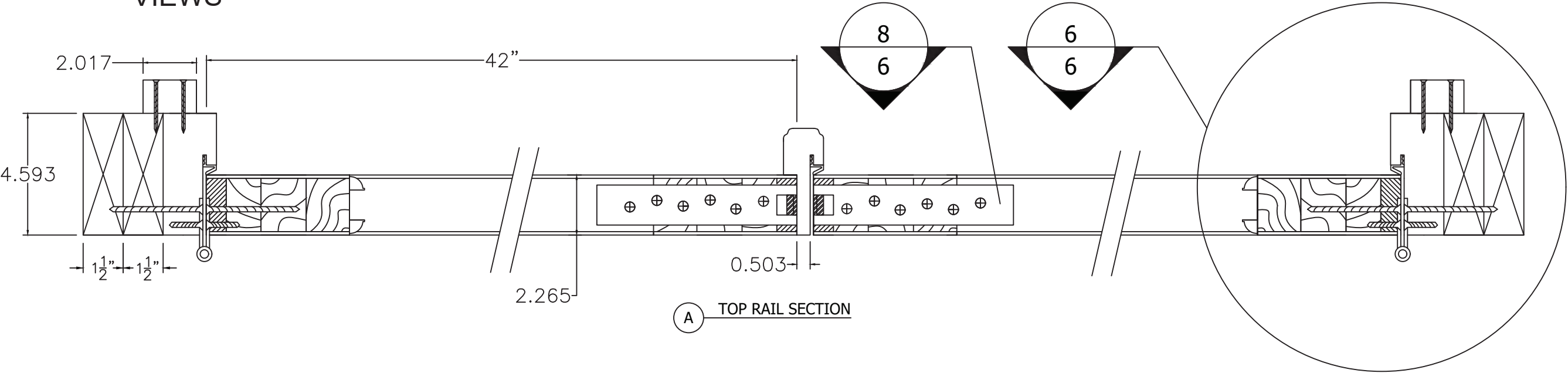
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|-----------|----------------------------------------------------------|-------------|---------|
| TITLE:    | 7/0 x 8/0 Double Full Lite/2 Panels<br>DETAILS 6 THRU 10 | DATE:       | 2/7/17  |
| DRAWN BY: | RJA                                                      | DRAWING NO: | DSA0003 |
| SCALE:    | N.T.S.                                                   | SHEET:      | 6 OF 10 |
| REV:      | C                                                        | DESCRIPTION |         |

AMORUSO CONSULTING ENG., LLC  
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SECTIONS  
DOOR HORIZONTAL  
VIEWS



BRICK MOULD  
STUD WALL  
JAMB LEG

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

TITLE: 7/0 x 8/0 Double Full Lite/2 Panels  
DOOR SECTIONS - HORIZONTAL

DRAWN BY: RJA  
SCALE: N.T.S.  
REV: C  
AMORUSO CONSULTING ENG., LLC  
FBPE REGISTRATION NO. 38327  
226 N NOVA RD, NO. 142  
ORMOND BEACH, FL 32174  
RJAENGPE@GMAIL.COM

DATE: 2/7/17  
DRAWING NO: DSA0003  
SHEET: 7 OF 10

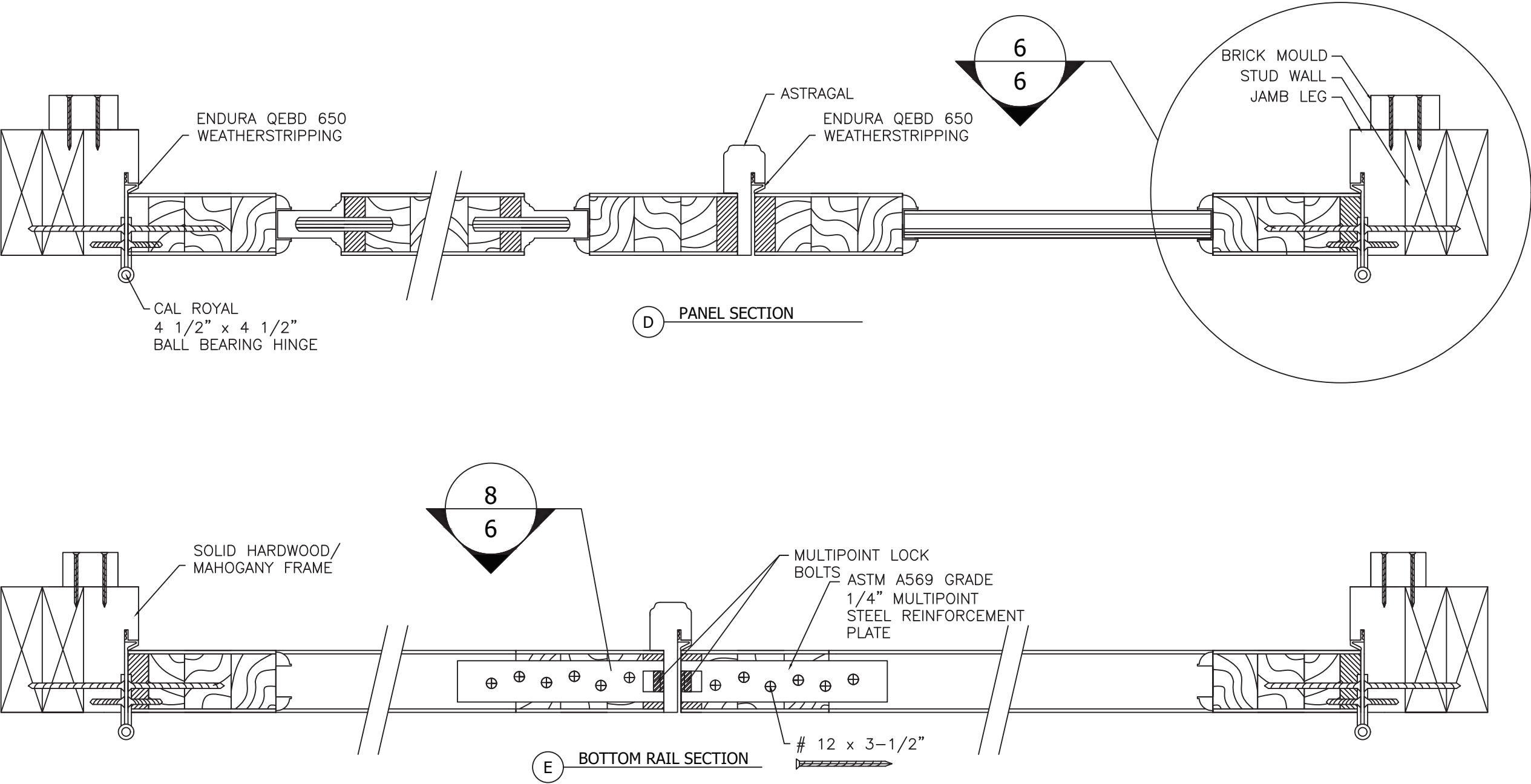
PROJECT #ACE-2025-135

| REV | DESCRIPTION                       | DATE     | BY  |
|-----|-----------------------------------|----------|-----|
| C   | UPDATED TO 9TH EDITION (2026) FBC | 7/1/26   | RJA |
| B   | UPDATED TO 8th EDITION (2023) FBC | 7/1/23   | RJA |
| A   | UPDATED TO CURRENT FBC            | 10/14/20 | RJA |

Robert J. Amoruso, P.E.  
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SECTIONS  
DOOR HORIZONTAL  
VIEWS



PROJECT #ACE-2025-135

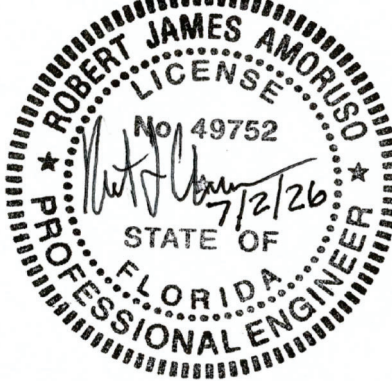
| REV | DESCRIPTION                       | DATE     | BY  |
|-----|-----------------------------------|----------|-----|
| C   | UPDATED TO 9TH EDITION (2026) FBC | 7/1/26   | RJA |
| B   | UPDATED TO 8th EDITION (2023) FBC | 7/10/23  | RJA |
| A   | UPDATED TO CURRENT FBC            | 10/14/20 | RJA |

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TITLE:  
7/0 x 8/0 Double Full Lite/2 Panels  
DOOR SECTIONS - HORIZONTAL

|                                                                                                                                       |                        |                 |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------|
| AMORUSO CONSULTING ENG., LLC<br>FBPE REGISTRATION NO. 38327<br>226 N NOVA RD, NO. 142<br>ORMOND BEACH, FL 32174<br>RJAENGPE@GMAIL.COM | DRAWN BY:<br>RJA       | DATE:<br>2/7/17 |
| SCALE:<br>N.T.S.                                                                                                                      | DRAWING NO:<br>DSA0003 |                 |
| REV:<br>C                                                                                                                             | SHEET:<br>8 OF 10      |                 |

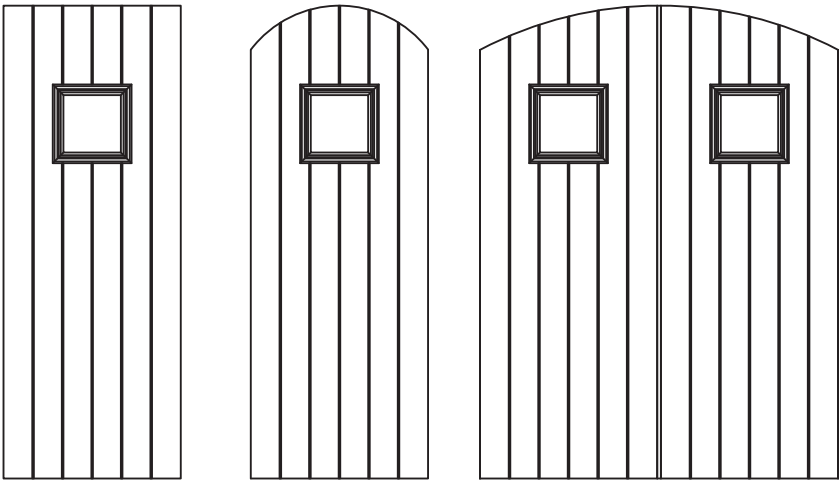
Robert J. Amoruso, P.E.  
Florida P.E. No. 49752



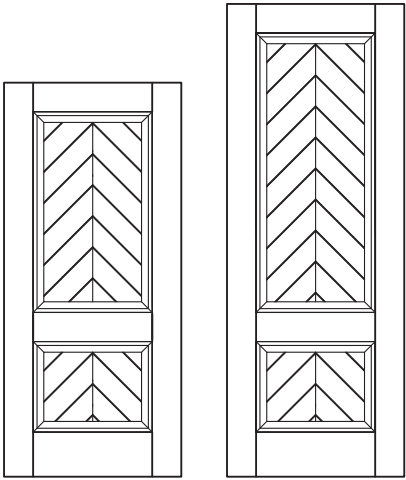
# APPROVED CONFIGURATIONS

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

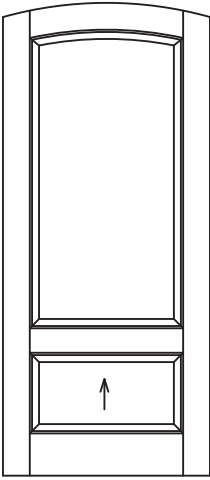
## ASPEN COLLECTION



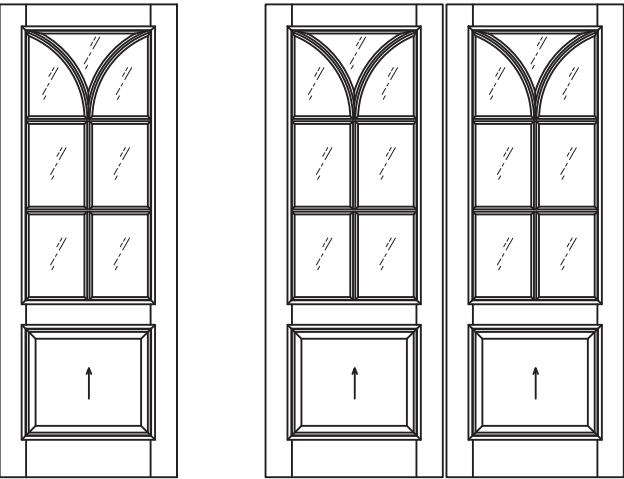
## MANCHESTER COLLECTION



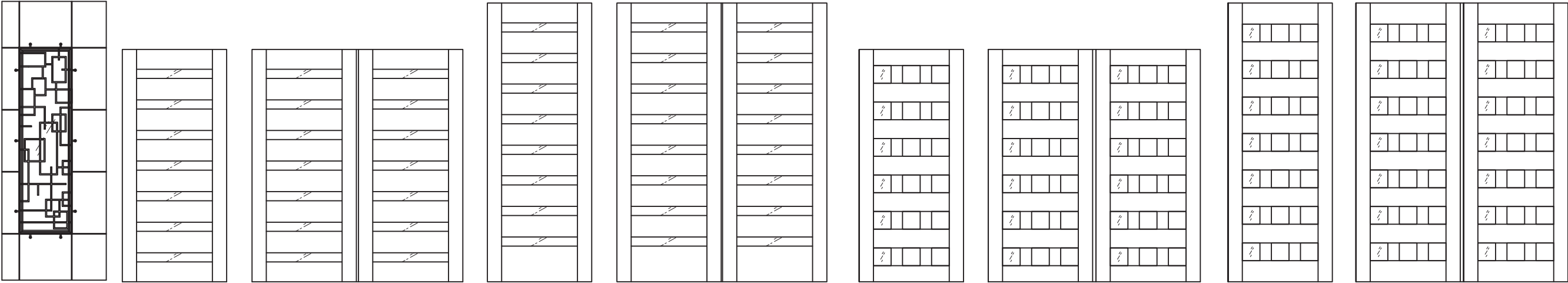
## TRINITY COLLECTION



## RENAISSANCE COLLECTION



## MILAN COLLECTION



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

7/0 x 8/0 Double Full Lite/2 Panels  
APPROVED CONFIGURATIONS

DRAWN BY: RJA

SCALE: N.T.S.

REV: C

DATE: 2/7/17

DRAWING NO: DSA0003

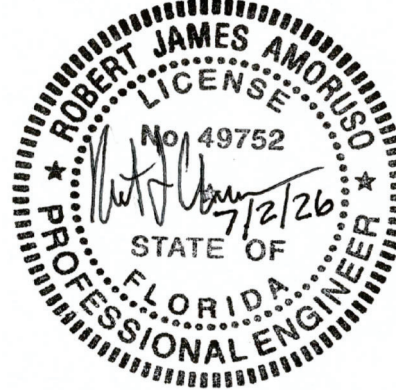
SHEET: 9 OF 10

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

| C                                 | 7/1/26   | RJA |
|-----------------------------------|----------|-----|
| UPDATED TO 9TH EDITION (2026) FBC |          |     |
| B                                 | 7/1/23   | RJA |
| UPDATED TO 8TH EDITION (2023) FBC |          |     |
| A                                 | 10/14/20 | RJA |
| UPDATED TO CURRENT FBC            |          |     |
| REV                               | DATE     | BY  |
|                                   |          |     |

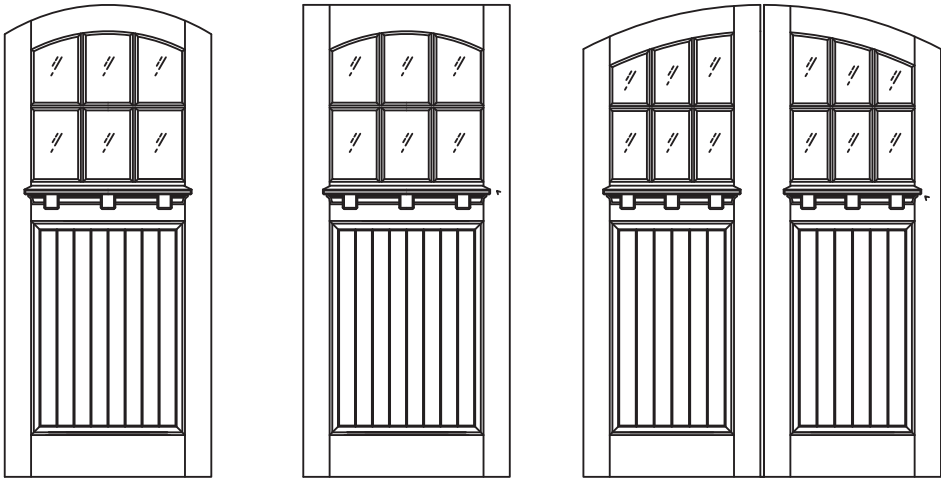
Robert J. Amoruso, P.E.  
Florida P.E. No. 49752



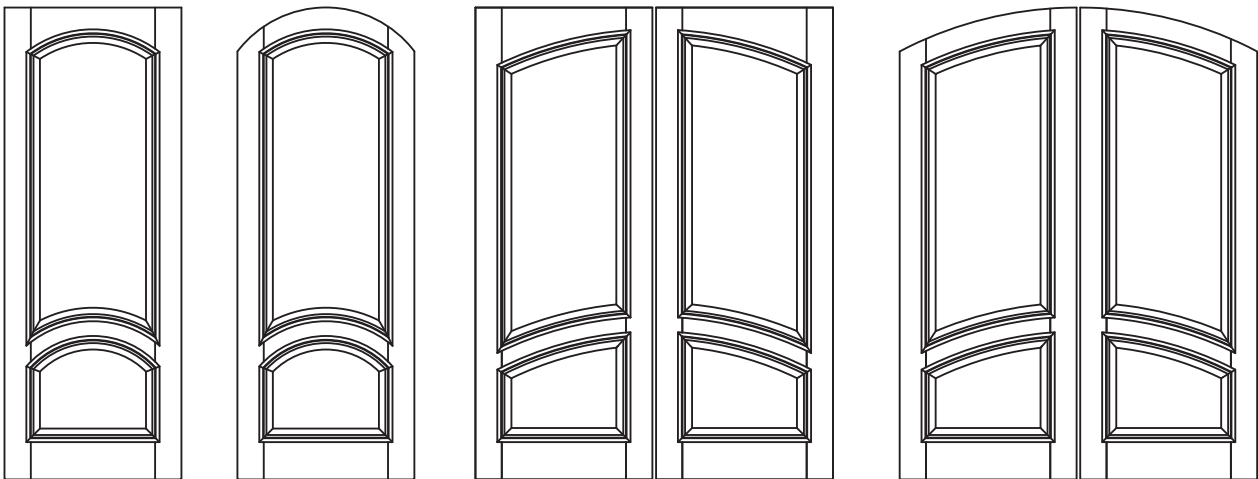
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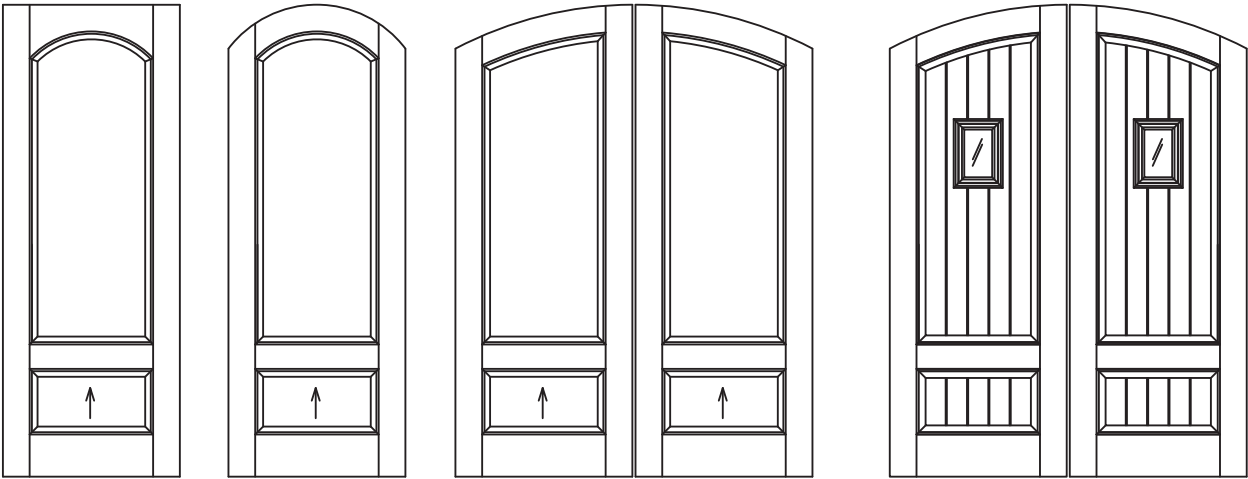
## LINVILLE COLLECTION



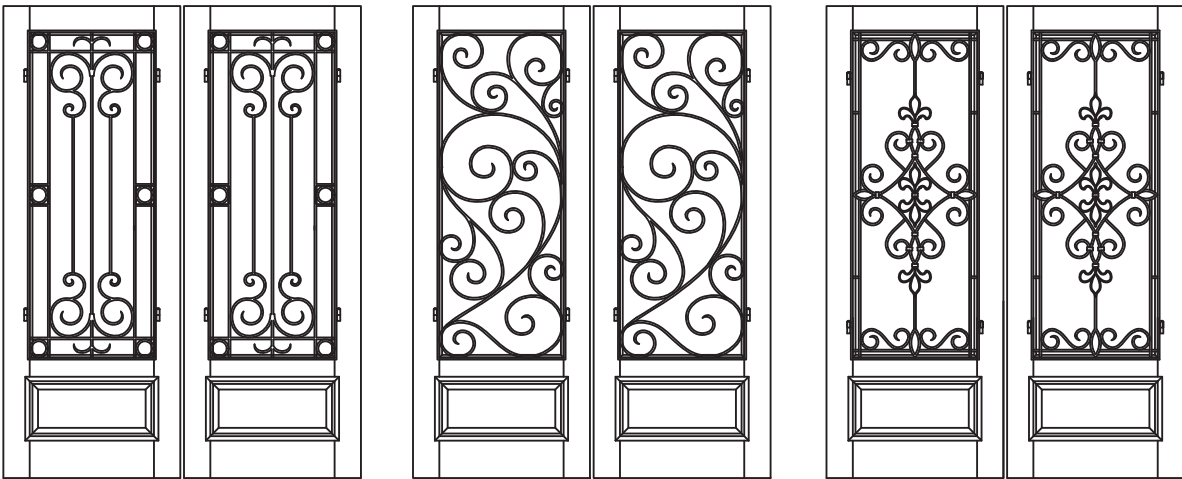
## VENICE COLLECTION



## LUCIE COLLECTION



## WAKEFIELD COLLECTION



The Door Store of America, Inc.

10681 World Trade Blvd

Raleigh, NC 27617

7/0 x 8/0 Double Full Lite/2 Panels

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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DSA0003

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10 OF 10

PROJECT #ACE-2025-135

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