

DSA Master Crafted Doors

Alexandria 9 Lite Single Door with Sidelites and Transom

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE 5TH EDITION (2014) FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL REQUIREMENTS 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 1107.01-11 DATED 12/14/11 AND ASSOCIATED LABORATORY STAMPED DRAWINGS. TESTING WAS PERFORMED TO THE FOLLOWING:

1.1. ASTM E330-02

1.2. ASTM E283-04

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 REQUIRED WITH THIS PRODUCT.

5. DOOR FRAME AND PANEL MATERIAL: MAHOGANY

6. GLAZING:

6.1. 5/8" OVERALL THICKNESS: 1/8" TEMPERED, 3/8" AIR SPACE, 1/8" TEMPERED. GLAZED USING ALEX ULTRA ACRYLIC LATEX SEALANT PLUS SILICONE - 230 GRADE SEALANT.

6.2. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e01.

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

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

8.1. X: OPERABLE PANEL

8.2. O: FIXED PANEL

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

9.1. LOCKSET HANDLE AND DEADBOLT BY BALDWIN.

9.2. HINGES: (4) STEEL 4" X 4" BALL BEARING HINGES BY PHILADELPHIA HARDWARE GROUP.
- INSTALLATION NOTES:
1. SEE ELEVATION (SHEET 3), SECTION VIEWS (SHEET 7 & 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.

2. 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.

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

2.1.1. INSTALLATION DETAILS SHOWN ON SHEETS 3 THROUGH 8 DEPICT INSTALLATION REQUIREMENTS USING NO. 12 WOOD SCREWS.

2.1.2. SEE NOTE 3 BELOW FOR SCREWS SPECIFICATIONS, MINIMUM EMBEDMENT, SPACING AND EDGE DISTANCES.

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

2.2.1. 1/4" DIAMETER ELCO 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.

2.2.2. 3/16" DIAMETER ELCO ULTRACON CONCRETE SCREWS SHALL BE USED IN LIEU OF NO. 12 WOOD SCREWS IN ALL LOCATIONS WHERE SUPPORTING SUBSTRATE IS CONCRETE IN THE FOLLOWING INSTANCES.

2.2.2.1. DETAIL 3, SHEET 5 - THRESHOLD SECTION.

3. INSTALLATION SCREW (ANCHORAGE) SPECIFICATION

3.1. NO. 12 WOOD SCREWS AT THE LENGTHS SHOWN IN THE INSTALLATION DETAILS.

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

3.1.2. 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.

3.1.3. MINIMUM EDGE DISTANCE AND SPACING BETWEEN SCREW IS 7/8".

3.2. 1/4" DIAMETER ELCO ULTRACON CONCRETE SCREWS

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

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

3.2.3. MINIMUM SPACING BETWEEN SCREWS IS 1-1/2".

3.2. 3/16" DIAMETER ELCO ULTRACON CONCRETE SCREWS

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

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

3.2.3. MINIMUM SPACING BETWEEN SCREWS IS 1-1/8".

4. 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.

5. 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

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


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6	DETAILS 6 & 7 / GLASS DETAIL - DLO
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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		
68-3/4" X 133-3/8" MAXIMUM FRAME SIZE OXO INSWING WITH HALF ROUND TRANSOM	±50.0	NONE (1)	NONE
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 5TH EDITION (2014) FBC/FRC HAS BEEN EMPLOYED.			

PROJECT #416-1002

DSA Master Crafted Doors
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Alexandria 9 Lite Single Door with Sidelites and Transom
NOTES - GENERAL & INSTALLATION

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: ---

DATE: 2/1/17
DRAWING NO: DSA0002
SHEET: 1 OF 13

REV

DESCRIPTION

DATE

BY


EXTERIOR



1. MAXIMUM OVERALL (O.A.) FRAME SIZE
 - 1.1. 68-3/4" X 133-3/8"
2. MAXIMUM PANEL SIZE
 - 2.1. 36" X 96"
3. MINIMUM PANEL THICKNESS
 - 3.1. 1-3/4" (NOMINAL)
4. MAXIMUM DAYLIGHT OPENING (D.L.O.)
 - 4.1. TDL
 - 4.1.1. DOOR PANEL HAS 9 TDL LITES - SEE SHEET 6.
 - 4.1.2. SIDELITE HAS 5 TDL LITES - SEE SHEET 6.
 - 4.1.3. TRANSOM HAS 12 TDL LITES - SEE SHEET 6.
 - 4.2. FULL VIEW LITE (NO TDL)
 - 4.2.1. DOOR PANEL D.L.O. 23-1/2" X 64-3/8" (BASED ON UNCUT GLASS SIZE OF 25" X 65-7/8" - 3/4" GLASS BITE)
 - 4.2.2. SIDELITE PANEL D.L.O. 7-1/4" X 80-3/8" (BASED ON UNCUT GLASS SIZE OF 8-3/4" X 81-7/8" - 3/4" GLASS BITE)
 - 4.2.3. TRANSOM PANEL D.L.O. 60-1/4" X 26-7/8" (BASED ON UNCUT GLASS SIZE OF 61-3/4" X 28-3/8" - 3/4" GLASS BITE)
5. DOOR RAISED PANEL SIZE
 - 5.2. BOTTOM: 25-5/16" X 11-3/16"
 - 5.3. TOP: 25-5/16" X 66-3/8"

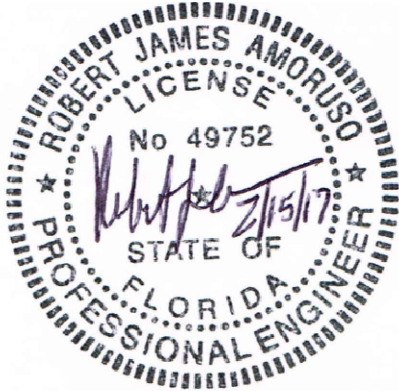
PROJECT #416-1002				
REV	DESCRIPTION	DATE	BY	

DSA Master Crafted Doors 10681 World Trade Blvd Raleigh, NC 27617	
TITLE: Alexandria 9 Lite Single Door with Sidelites and Transom ELEVATION	
PREPARED BY:	DATE:
DRAWN BY: RJA	2/1/17
SCALE: N.T.S.	DRAWING NO: DSA0002
REV: ---	SHEET: 2 OF 13

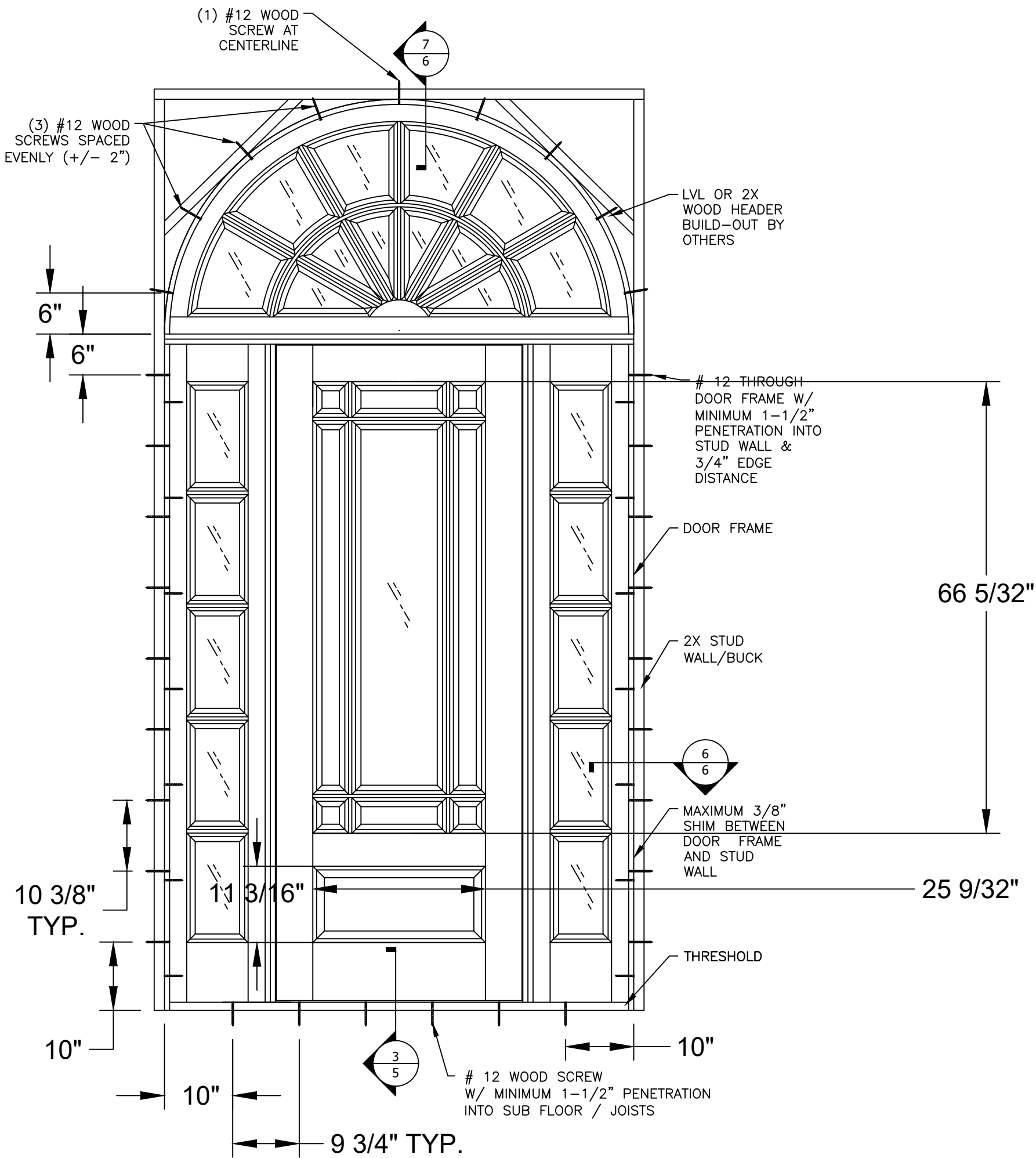


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ELEVATION
INSTALLATION
ANCHORAGE



PROJECT #416-1002

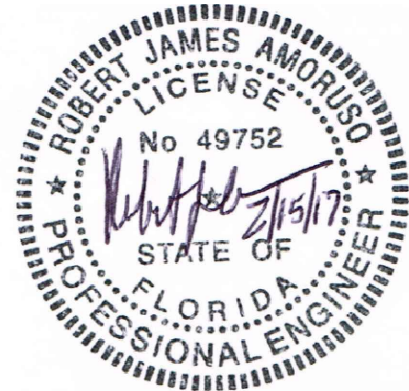
DSA Master Crafted Doors
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Alexandria 9 Lite Single Door with Sidelites and Transom
ELEVATION - ANCHOR LAYOUT

DATE:	2/1/17
DRAWN BY:	RJA
SCALE:	N.T.S.
DRAWING NO:	DSA0002
REV:	---
SHEET:	3 OF 13

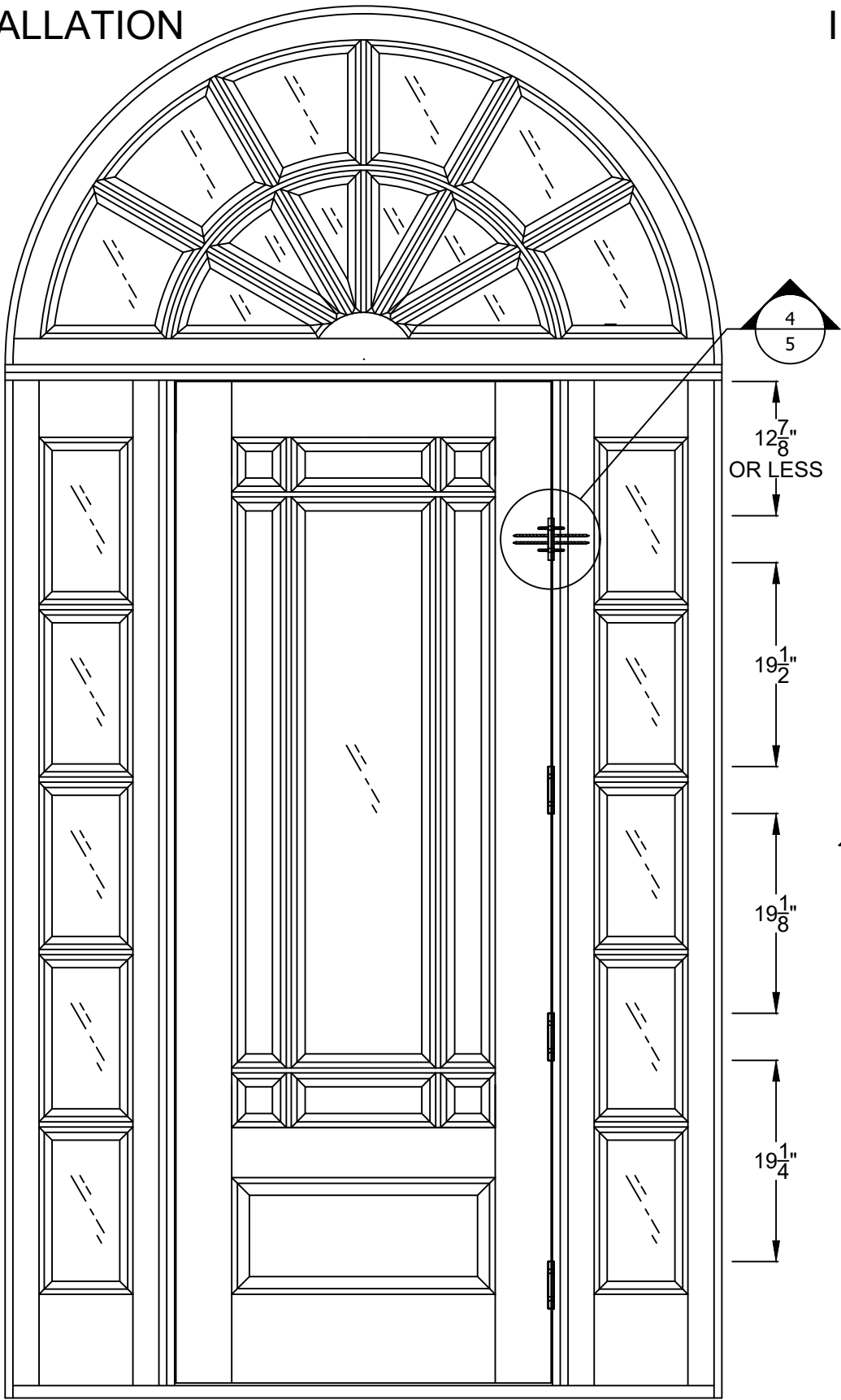
PTC
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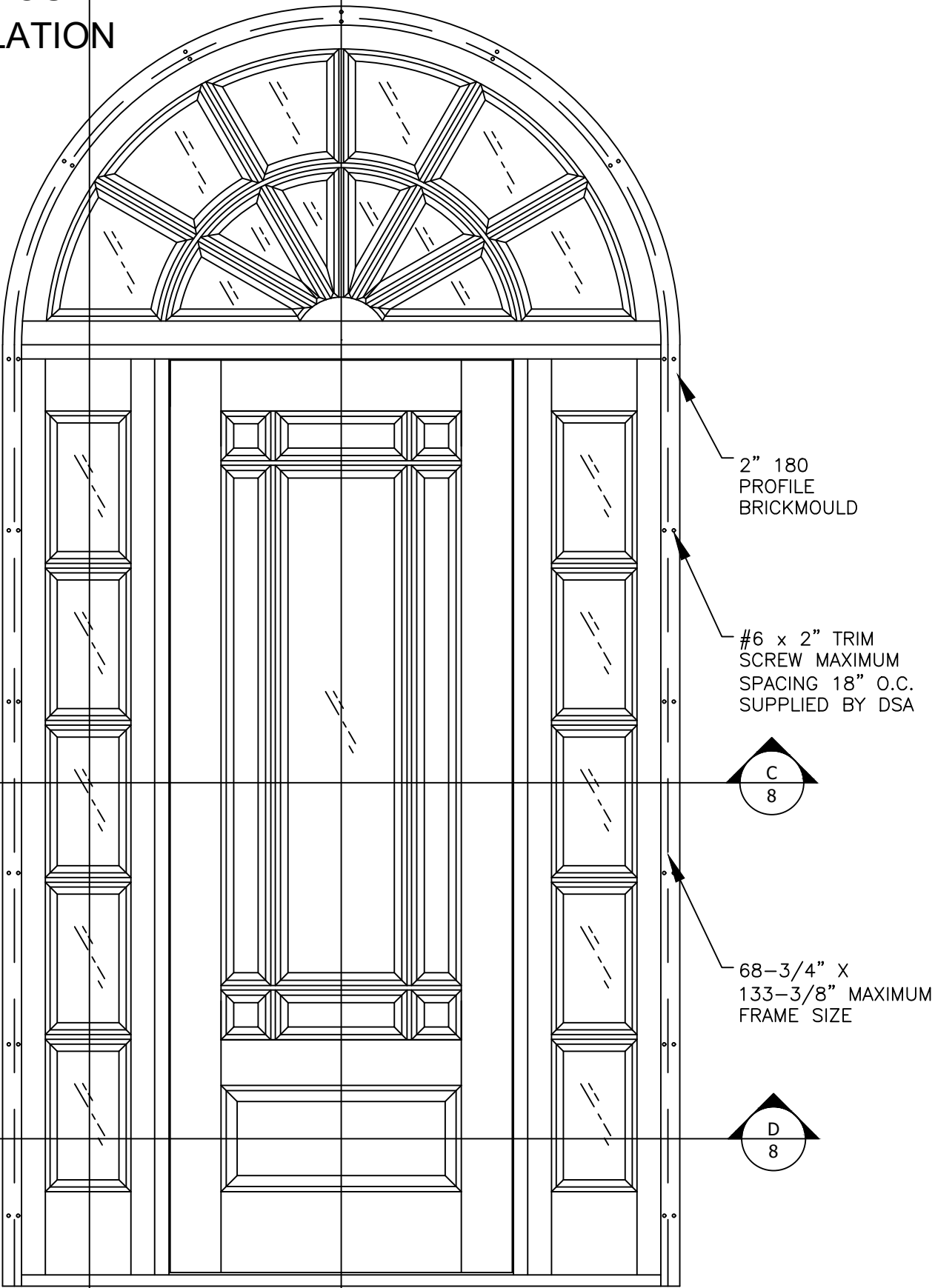
ELEVATION

HINGE LOCATION
AND INSTALLATION



ELEVATION

BRICK MOULD
INSTALLATION



PROJECT #416-1002

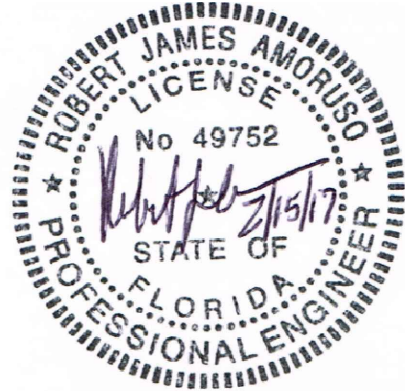
DSA Master Crafted Doors
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TITLE: Alexandria 9 Lite Single Door with Sidelites and Transom
ELEVATIONS - HINGES & BRICK MOULD

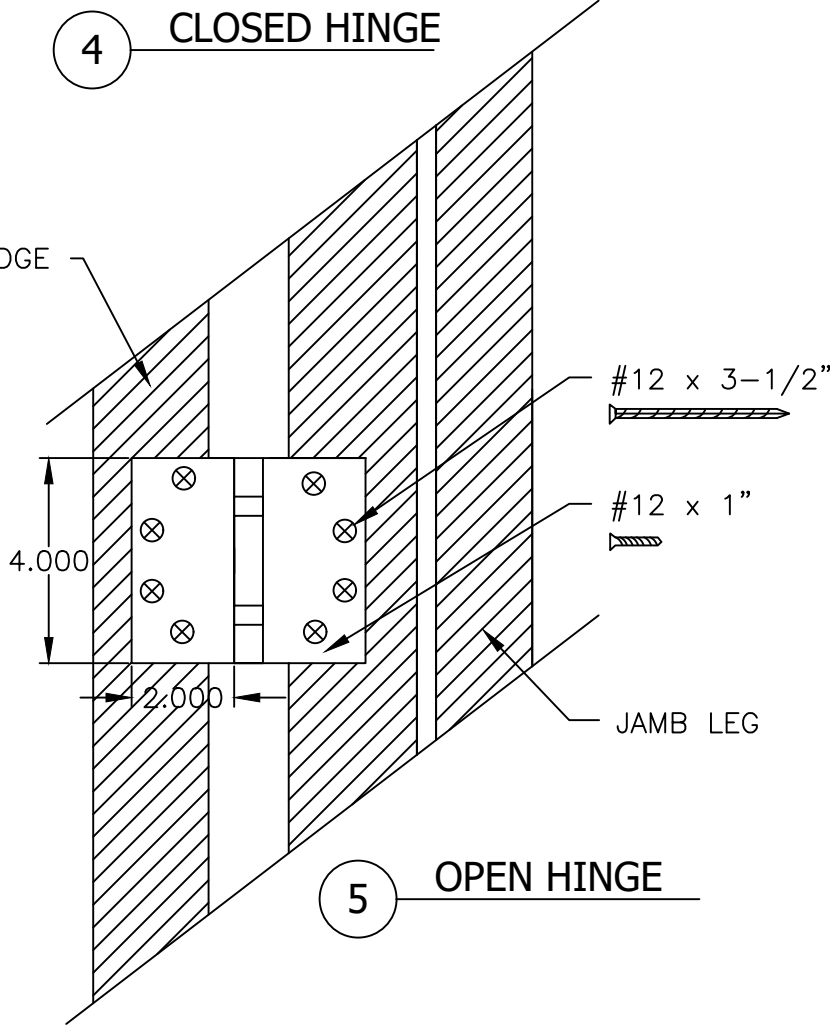
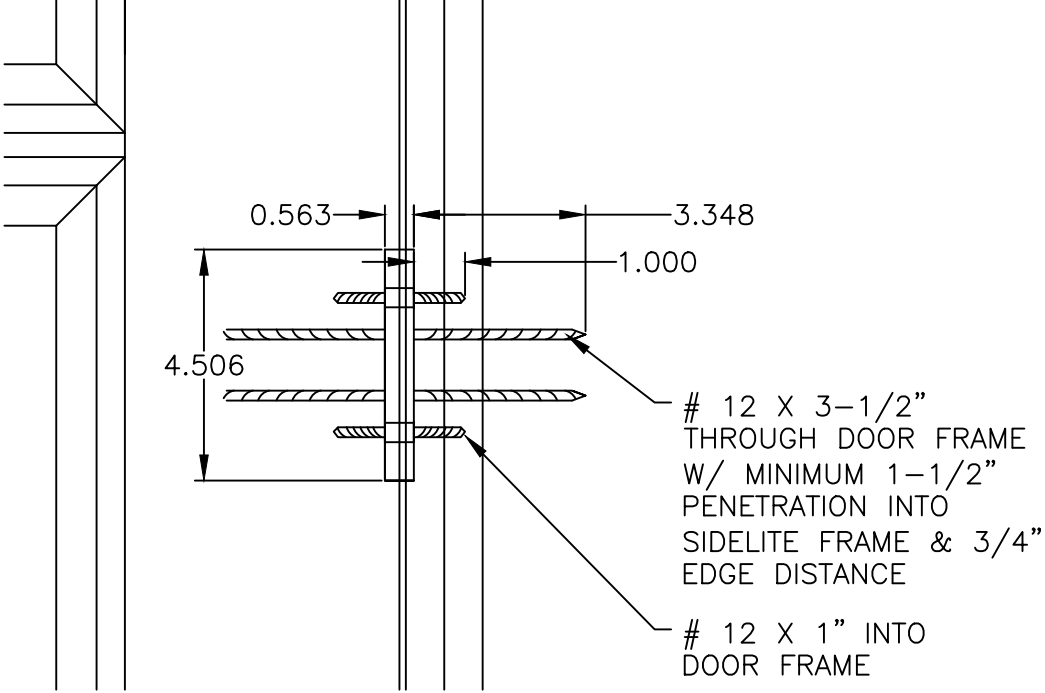
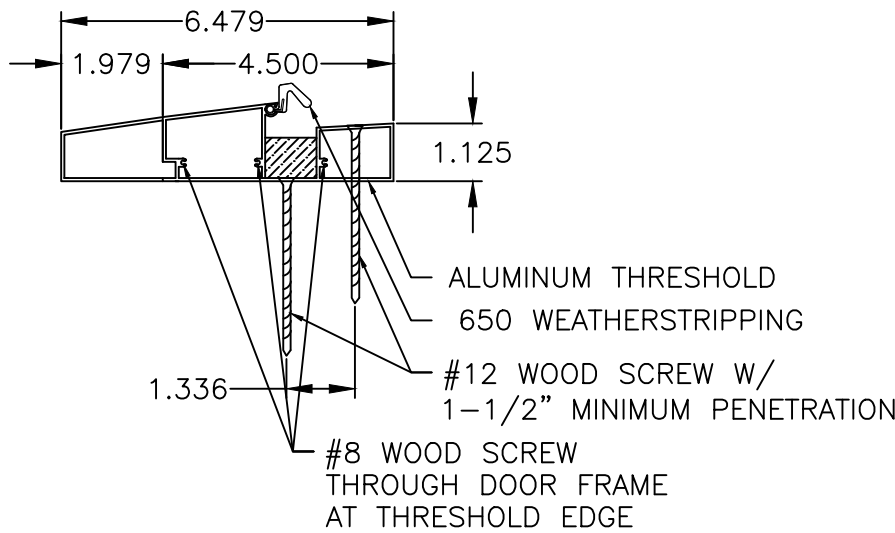
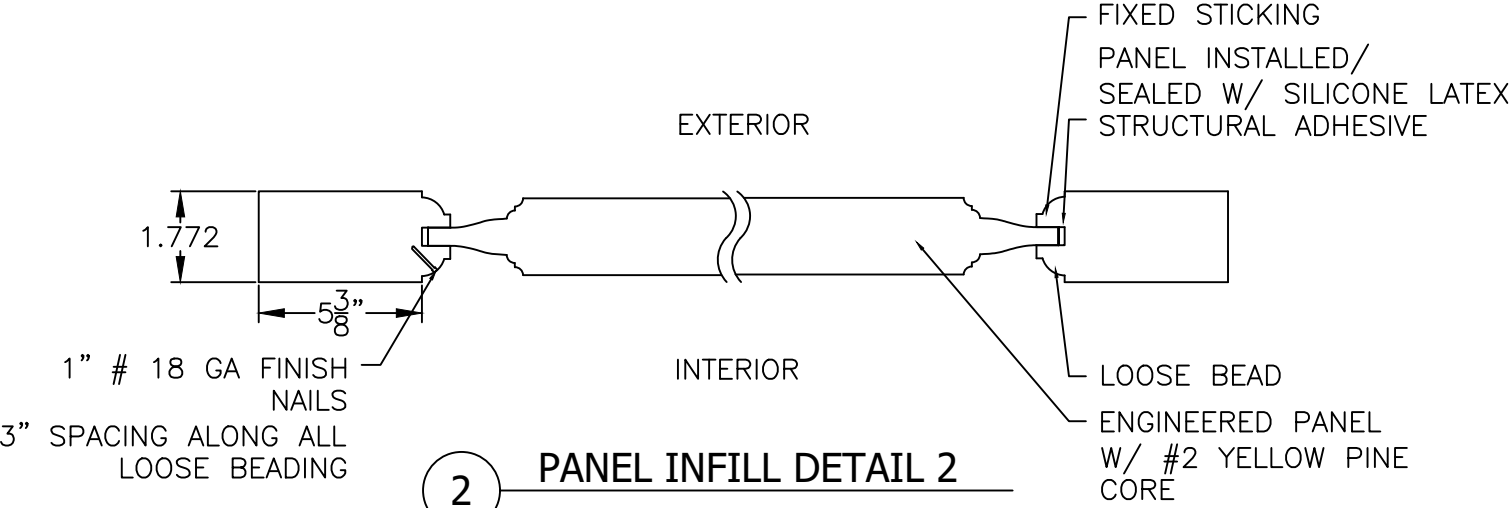
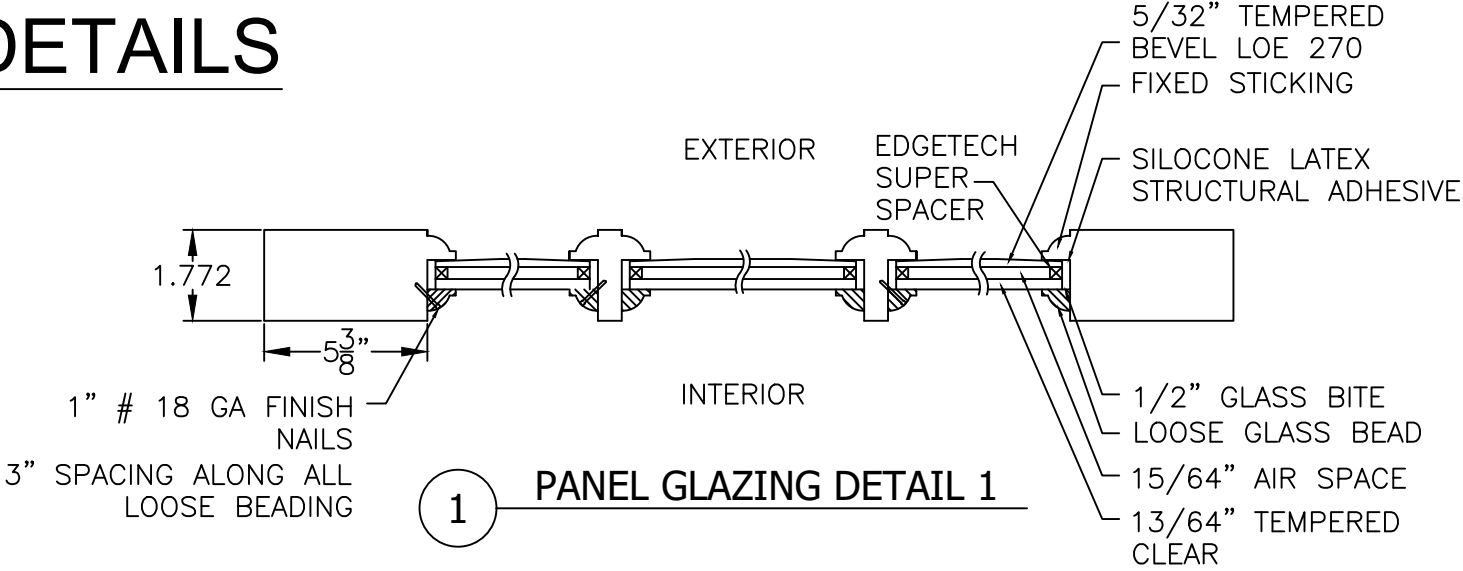
PREPARED BY:	DRAWN BY:	DATE:	2/1/17
PTC PRODUCT DESIGN GROUP, LLC	RJA	DRAWING NO:	DSA0002
PO BOX 520775	SCALE:	N.T.S.	SHEET: 4 OF 13
LONGWOOD, FLORIDA 32752	REV:	---	REV
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DETAILS



PROJECT #416-1002

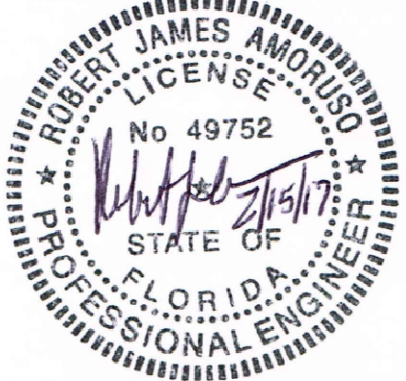
DSA Master Crafted Doors
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Alexandria 9 Lite Single Door with Sidelites and Transom
DETAILS 1 THRU 5

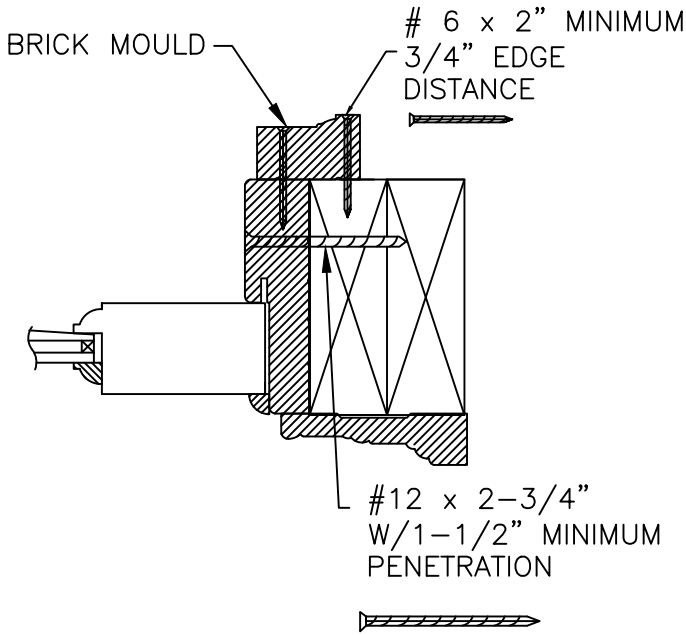
PREPARED BY: RJA
DATE: 2/1/17
DRAWING NO: DSA0002
SHEET: 5 OF 13
REV: ---

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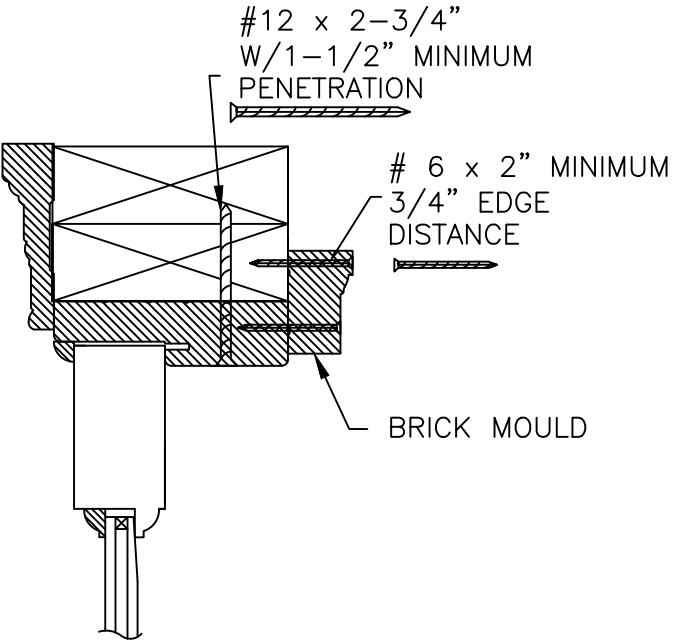
Robert J. Amoruso, P.E.
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DETAILS

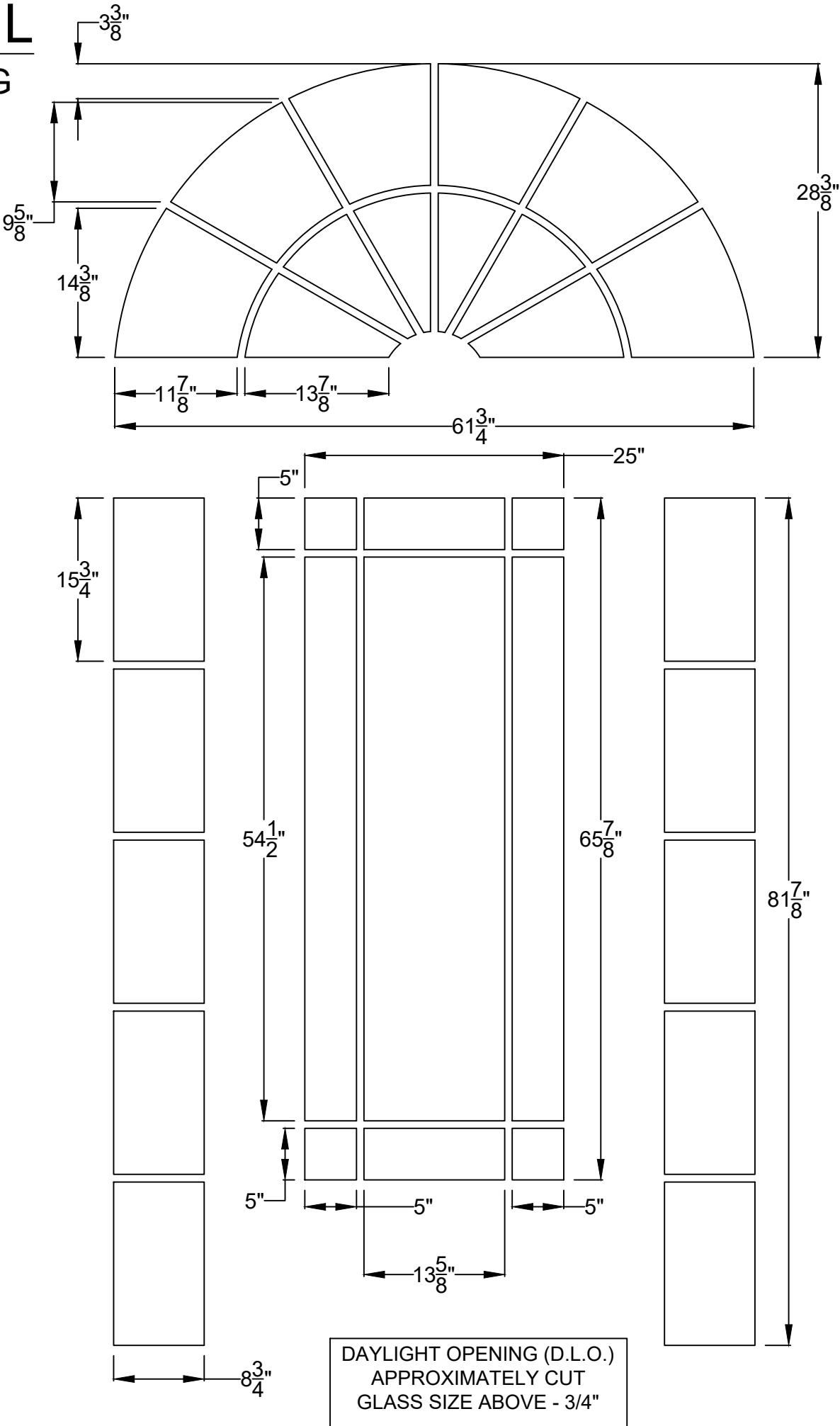


6 JAMB ANCHORAGE



7 HEAD ANCHORAGE

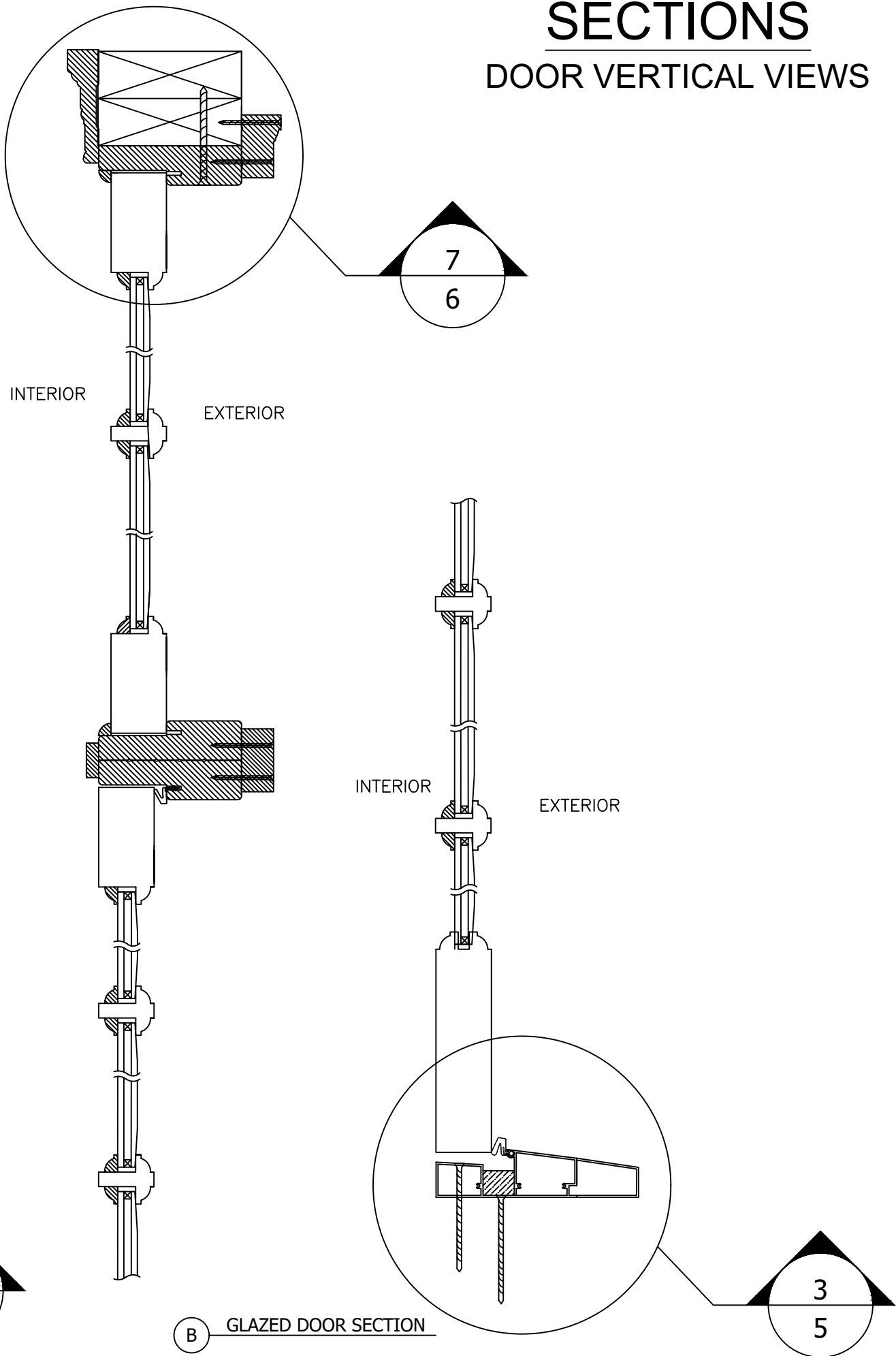
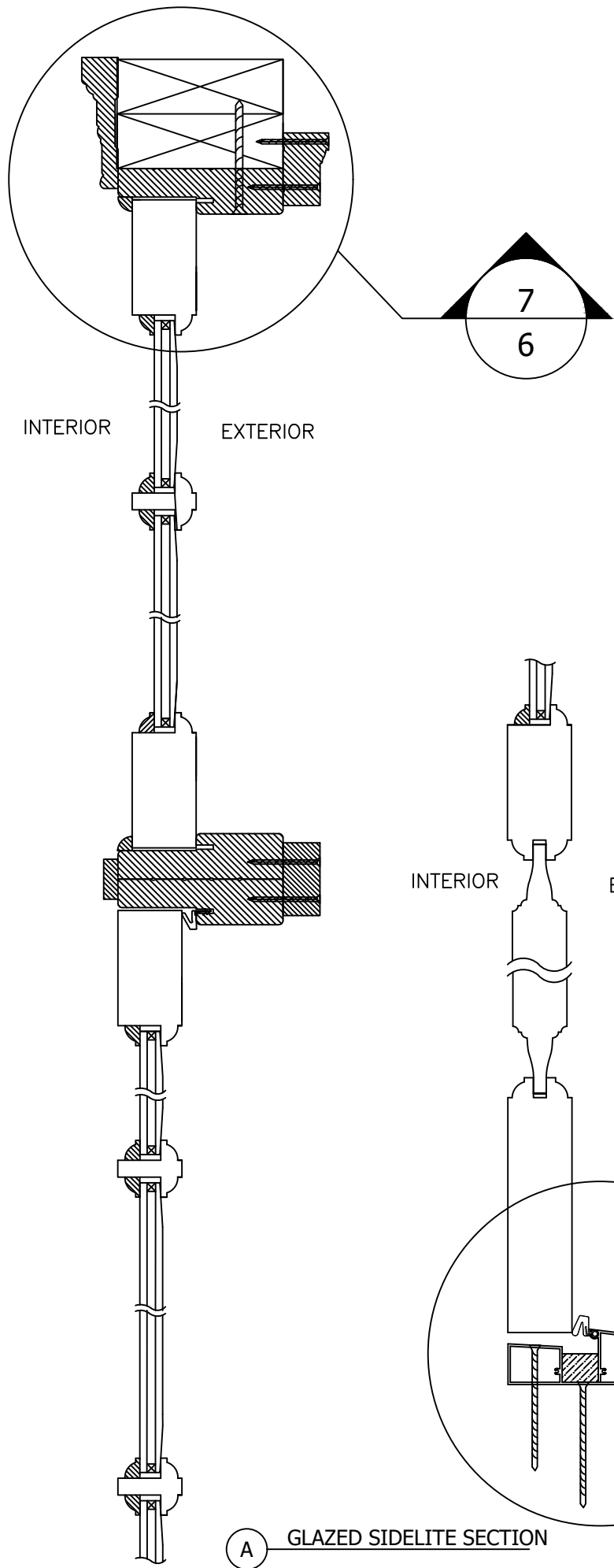
GLASS DETAIL
DAYLIGHT OPENING
(D.L.O.)



PROJECT #416-1002			

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SECTIONS
DOOR VERTICAL VIEWS



PROJECT #416-1002

DSA Master Crafted Doors
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Alexandria 9 Lite Single Door with Sidelites and Transom
DOOR SECTIONS - VERTICAL

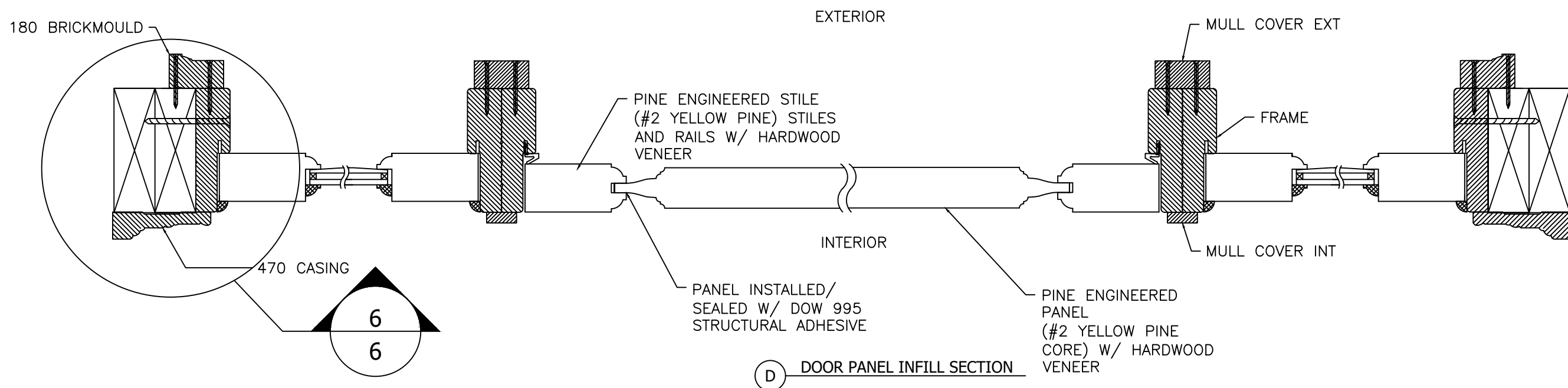
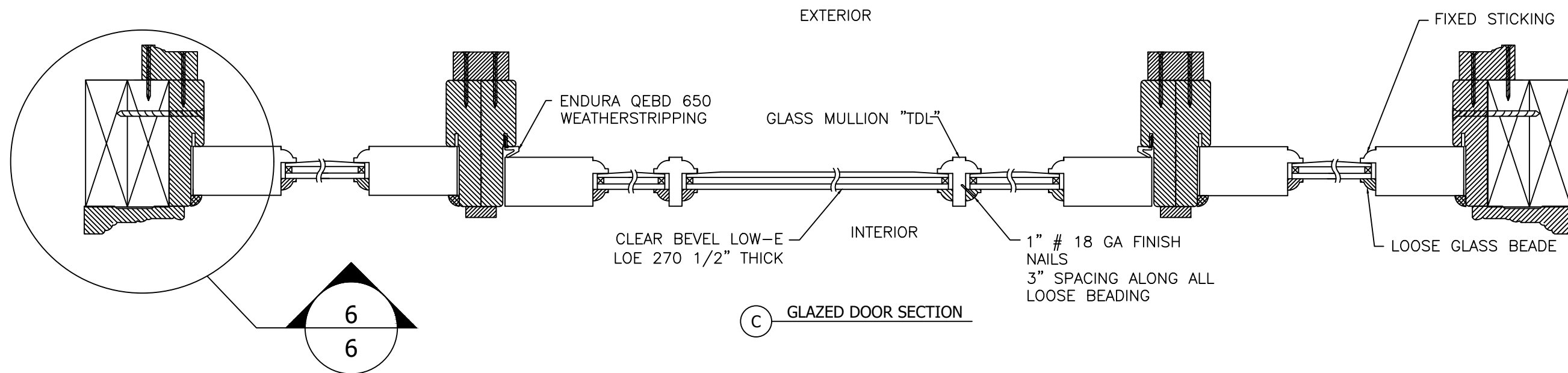
PREPARED BY: RJA
DATE: 2/1/17
SCALE: N.T.S.
DRAWING NO: DSA0002
SHEET: 7 OF 13
REV: ---

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DOOR HORIZONTAL VIEWS



REV	DESCRIPTION	DATE	BY

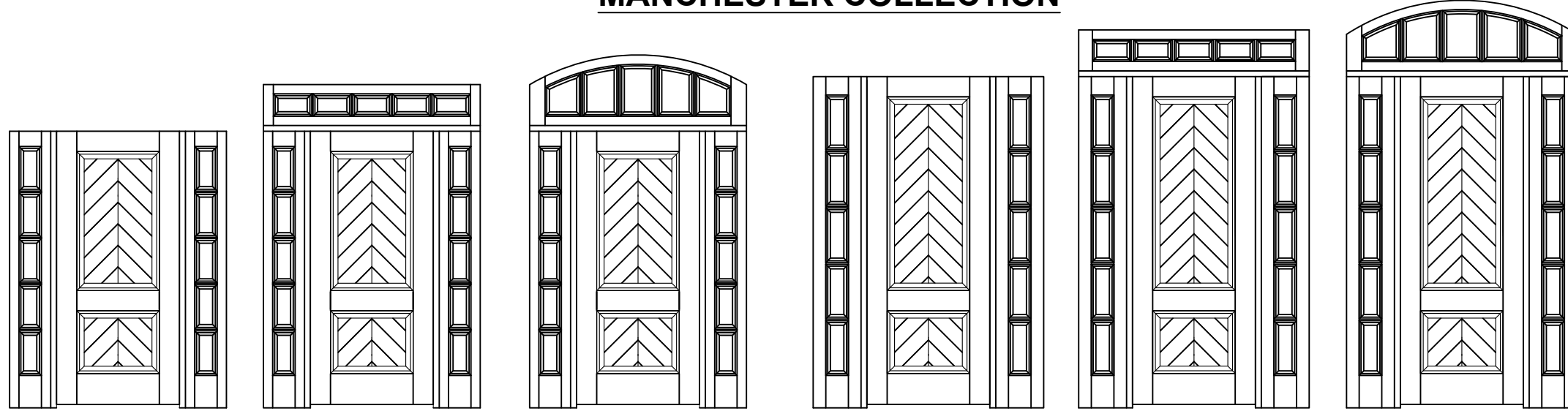
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DOOR SECTIONS - HORIZONTAL	
PREPARED BY:	DRAWN BY:
	RJA
	DATE:
	2/1/17
	DRAWING NO.
N.T.S.	DSA0002
REV:	SHEET:
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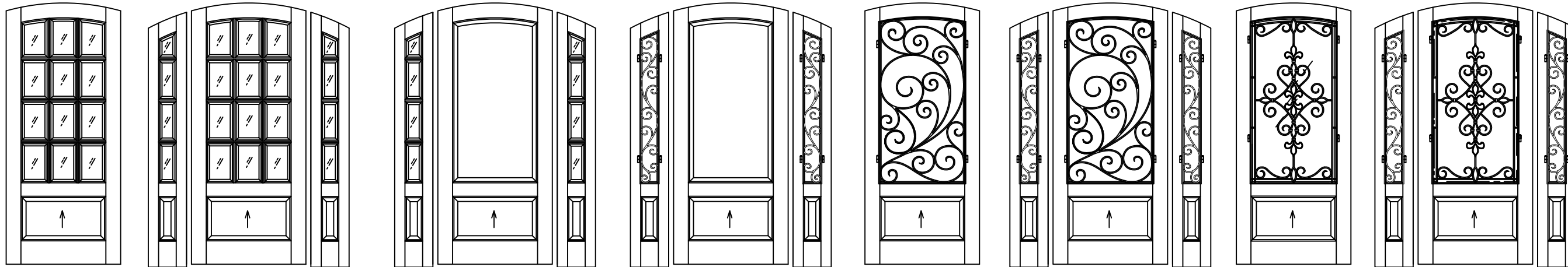
APPROVED CONFIGURATIONS

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

MANCHESTER COLLECTION



TRINITY COLLECTION



TIFFANY COLLECTION



WAKEFIELD COLLECTION



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APPROVED CONFIGURATIONS

PREPARED BY:

DRAWN BY: RJA

DATE: 2/1/17

SCALE: N.T.S.

DRAWING NO: DSA0002

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SHEET: 9 OF 13

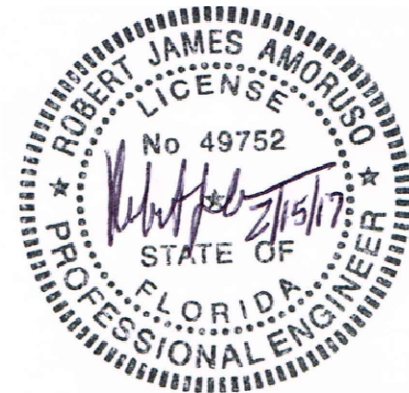
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DESCRIPTION

DATE

BY

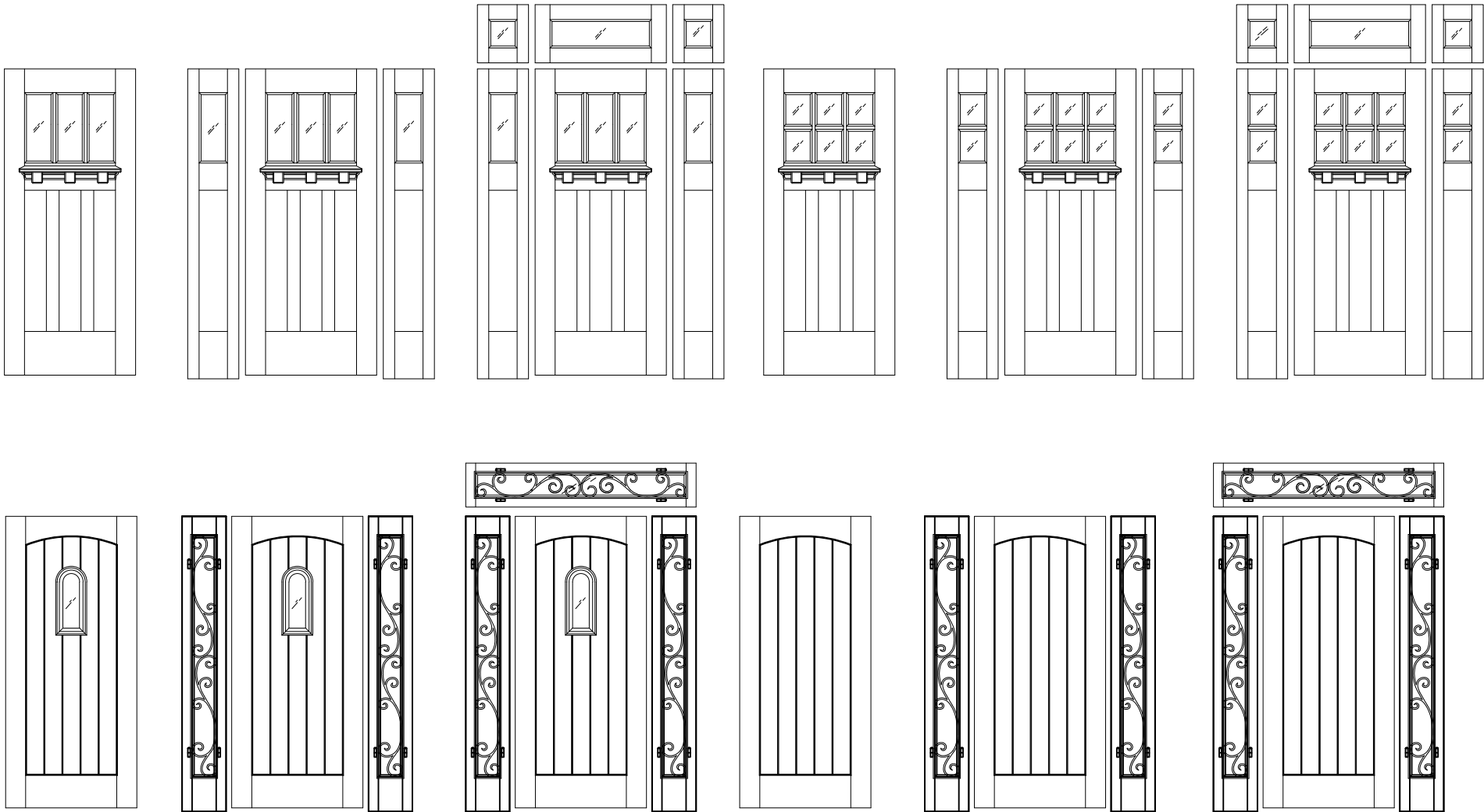
Robert J. Amoruso, P.E.
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APPROVED CONFIGURATIONS

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

TUSCANY COLLECTION



CLIFFS REDWOOD COLLECTION



PROJECT #416-1002

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10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Alexandria 9 Lite Single Door with Sidelites and Transom

APPROVED CONFIGURATIONS

PREPARED BY:

DRAWN BY: RJA

DATE: 2/1/17

SCALE: N.T.S.

DRAWING NO: DSA0002

REV: ---

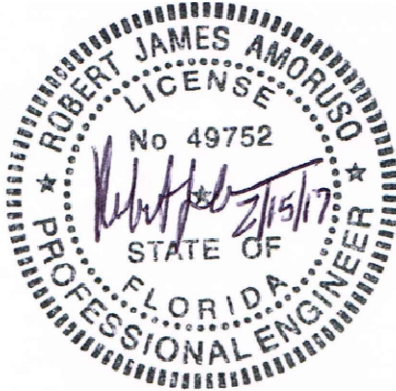
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DESCRIPTION

DATE

BY

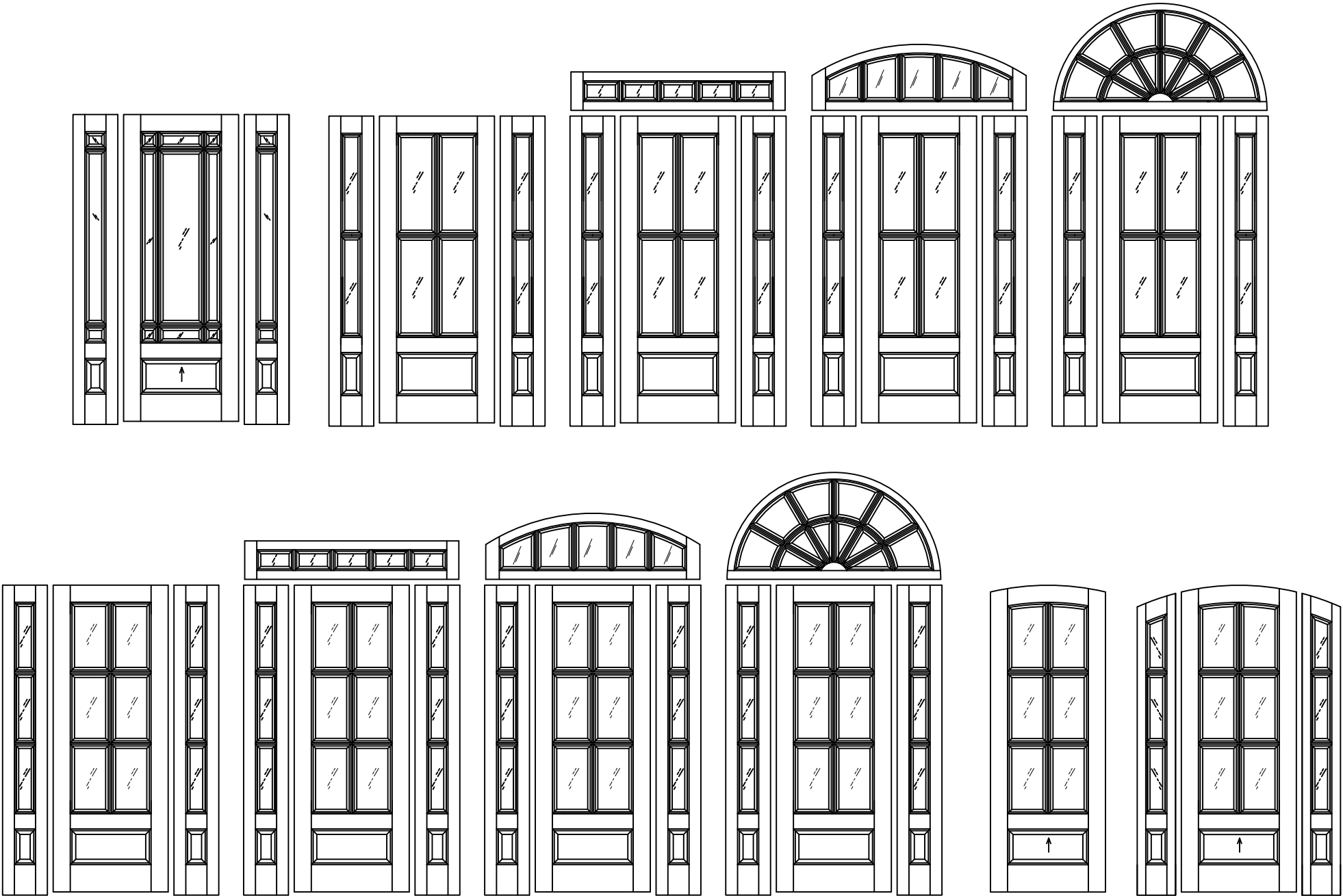
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APPROVED CONFIGURATIONS

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

ALEXANDRIA COLLECTION



PROJECT #416-1002

DSA Master Crafted Doors
10681 World Trade Blvd
Raleigh, NC 27617

TITLE: Alexandria 9 Lite Single Door with Sidelites and Transom

APPROVED CONFIGURATIONS

PREPARED BY:

DRAWN BY: RJA

DATE: 2/1/17

SCALE: N.T.S.

DRAWING NO: DSA0002

REV: ---

SHEET: 11 OF 13

PTC PRODUCT DESIGN GROUP, LLC
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FBPE C.A. NO. 25935

DATE: 2/1/17

DRAWING NO: DSA0002

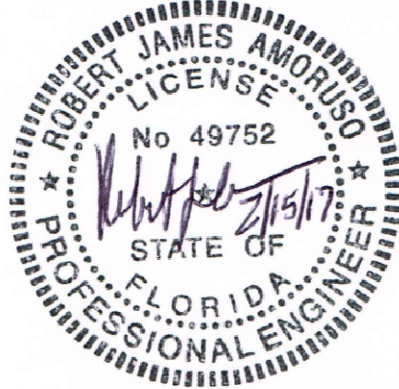
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DESCRIPTION

DATE

BY

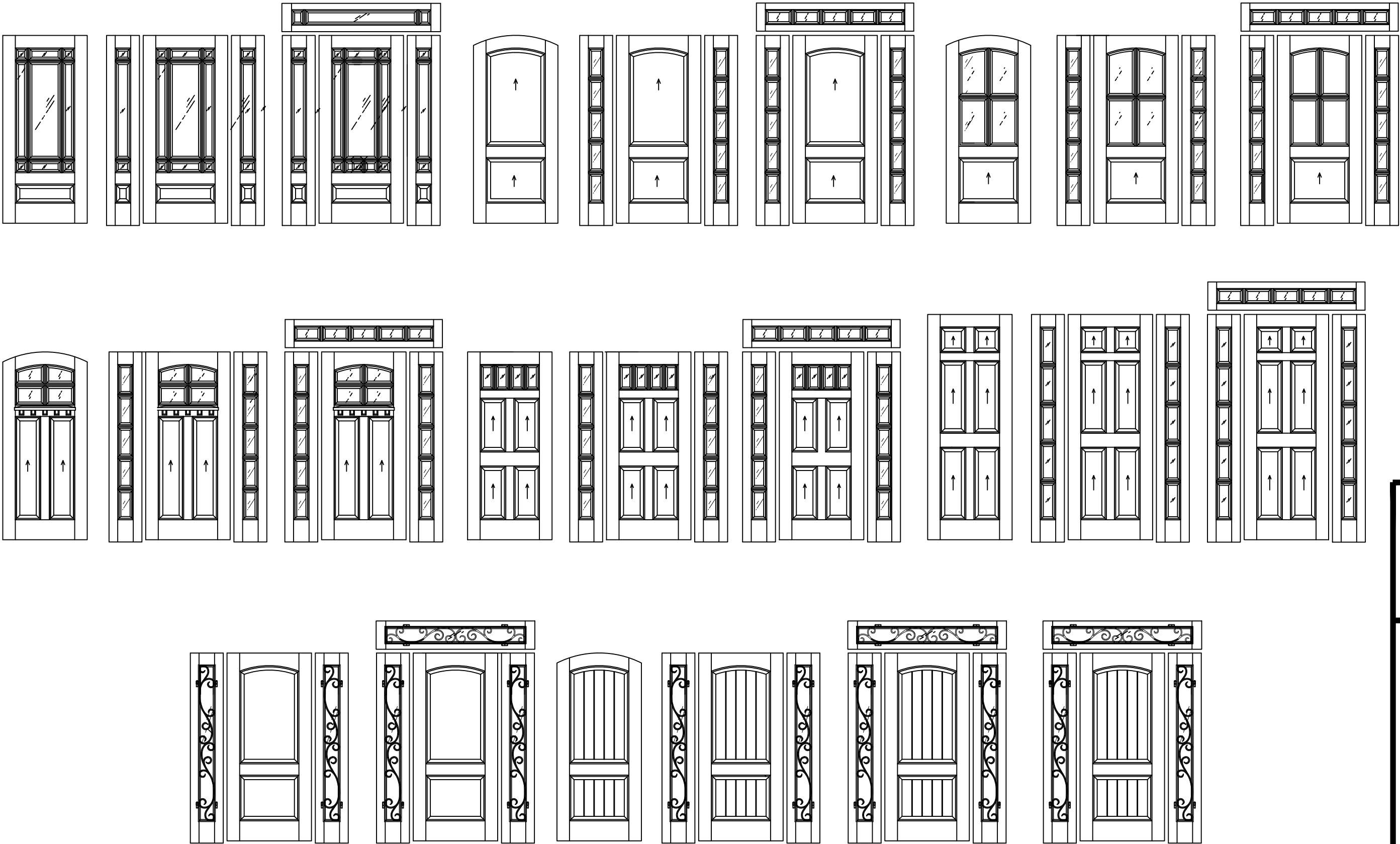
Robert J. Amoruso, P.E.
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APPROVED CONFIGURATIONS

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

BUILDER COLLECTION



PROJECT #416-1002

DSA Master Crafted Doors

10681 World Trade Blvd

Raleigh, NC 27617

TITLE: Alexandria 9 Lite Single Door with Sidelites and Transom

APPROVED CONFIGURATIONS

PREPARED BY:

DRAWN BY:

DATE:

DRAWING NO:

REV:

DESCRIPTION

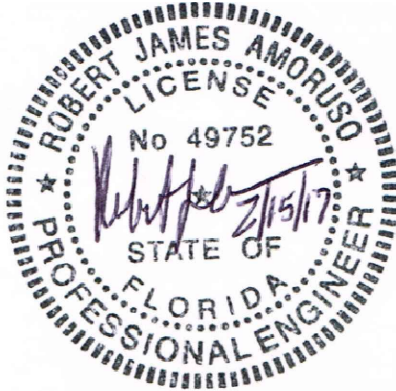
DATE

BY

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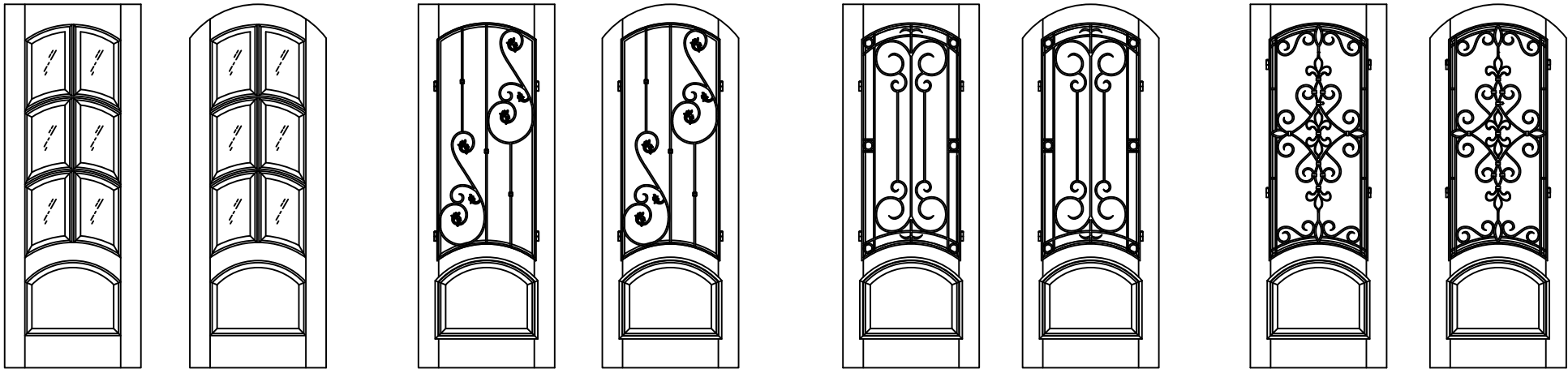
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Florida P.E. No. 49752



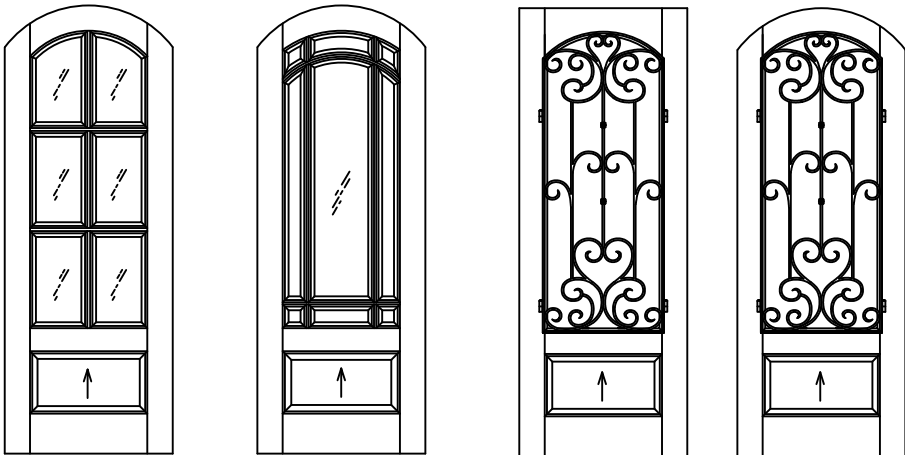
APPROVED CONFIGURATIONS

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

ABERDEEN COLLECTION



TIFFANY COLLECTION



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APPROVED CONFIGURATIONS

PREPARED BY:

DRAWN BY: RJA

DATE: 2/1/17

SCALE: N.T.S.

DRAWING NO: DSA0002

REV: ---

SHEET: 13 OF 13

PTC PRODUCT DESIGN GROUP, LLC
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FBPE C.A. NO. 25935

DESCRIPTION

DATE

BY

Robert J. Amoruso, P.E.
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