## **DSA Master Crafted Doors**

# 6/0 x 8/0 TIFFANY ASHVILLE DOUBLE ARCH TOP W/TDL

#### **GENERAL NOTES:**

- . 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 0721.01-11 DATED 8/9/11 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 MATERIALS

- 5.1. DOOR FRAME AND ASTRAGAL MATERIAL: MAHOGANY
- 5.2. STILES AND RAILS: #2 YELLOW PINE W/ HARDWOOD VENEER

#### 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. ACTIVE PANEL: LOCKSET HANDLE AND DEADBOLT BY BALDWIN.
- 9.2. INACTIVE PANEL: 19" FLUSH BOLTS WITH REINFORCEMENT PLATE AT TOP AND BOTTOM OF PANEL.
- 9.3. HINGES: (4) STEEL 4" X 4" BALL BEARING HINGES BY PHILADELPHIA HARDWARE GROUP.

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7	DOOR SECTIONS - VERTICAL
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9	GLASS DETAIL - D.L.O.
10 THRU 13	APPROVED CONFIGURATIONS

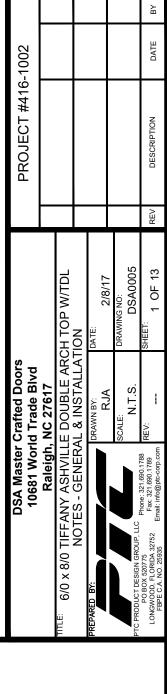
### INSTALLATION ANCHORAGE DETAILS

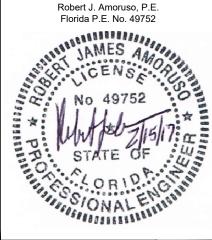
#### **INSTALLATION NOTES:**

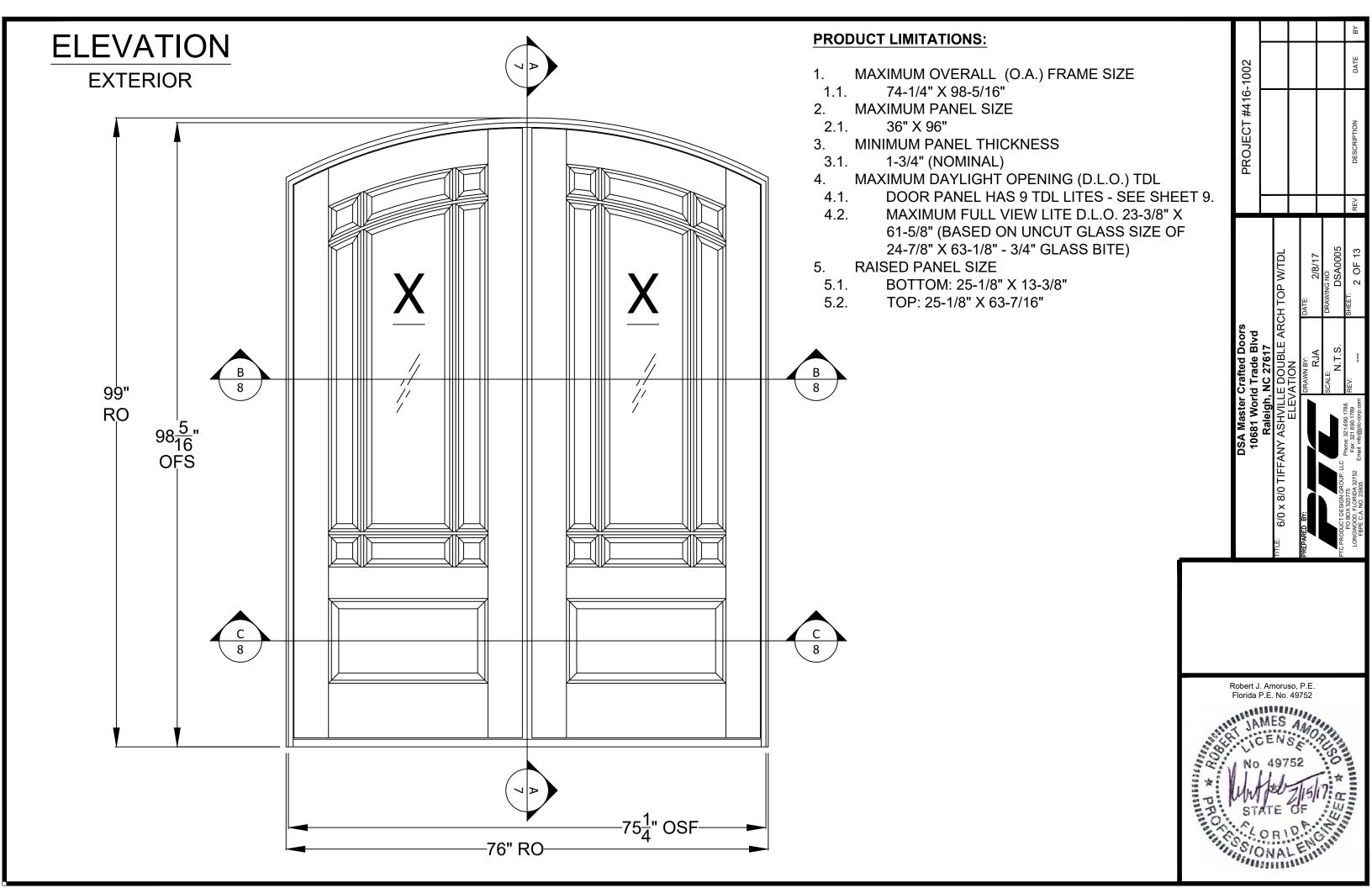
- 1. SEE ELEVATION (SHEET 3), SECTION VIEWS (SHEETS 7 AND 8) AND DETAILS (SHEETS 5 AND 6) FOR INSTALLATION ANCHOR TYPE, LOCATION, QUANTITY AND PLACEMENT IN 2X WOOD FRAMING OR 2X WOOD BUCKING. FOR INSTALLATION ANCHORS IN CONCRETE AND MASONRY CONSTRUCTION, SEE NOTE 2 BELOW.
- 2. INSTALLATIONS DETAILS DEPICTED 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 7 DEPICT INSTALLATION REQUIREMENTS USING NO. 12 WOOD SCREWS.
- .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 OR MASONRY IN THE FOLLOWING INSTANCES.
- 2.2.2.1. DETAIL 1, SHEET 5 TOP STRIKE PLATE FLUSH BOLT.
- 2.2.2.2. DETAIL 2, SHEET 5 BOTTOM STRIKE PLATE FLUSH BOLT.
- 2.2.2.3. DETAIL 3, SHEET 5 THRESHOLD SECTION.
- 2.2.2.4. DETAIL 4, SHEET 5 CLOSED HINGE (APPLICABLE TO #12 X 3-1/2" WS LOCATION ONLY).
- 2.2.2.4.1. MIN. SPACING MUST BE MAINTAINED. ALTERNATE 3/16" ELCO ULTRACON IN HINGE HOLES TO MEET MINIMUM SPACING.).
- 2.2.2.4. DETAIL 5, SHEET 5 OPEN HINGE (APPLICABLE TO #12 X 3-1/2" WS LOCATION ONLY).
- .2.2.4.1. MIN. SPACING MUST BE MAINTAINED. ALTERNATE 3/16" ELCO ULTRACON IN HINGE HOLES TO MEET MINIMUM SPACING.)
- .2.2.5. DETAIL 6, SHEET 6 JAMB ANCHORAGE AT HINGE (APPLICABLE TO #12 X 3-1/2" WS LOCATION ONLY).
- 2.2.2.5.1. MIN. SPACING MUST BE MAINTAINED. ALTERNATE 3/16" ELCO ULTRACON IN HINGE HOLES TO MEET MINIMUM SPACING.).
- 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
  - 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).
- 7. SINGLE DOOR IS APPROVED AND SHALL BE INSTALLED IN A MANNER IN COMPLIANCE WITH THE REQUIREMENTS OF THIS PRODUCT APPROVAL DOCUMENT.

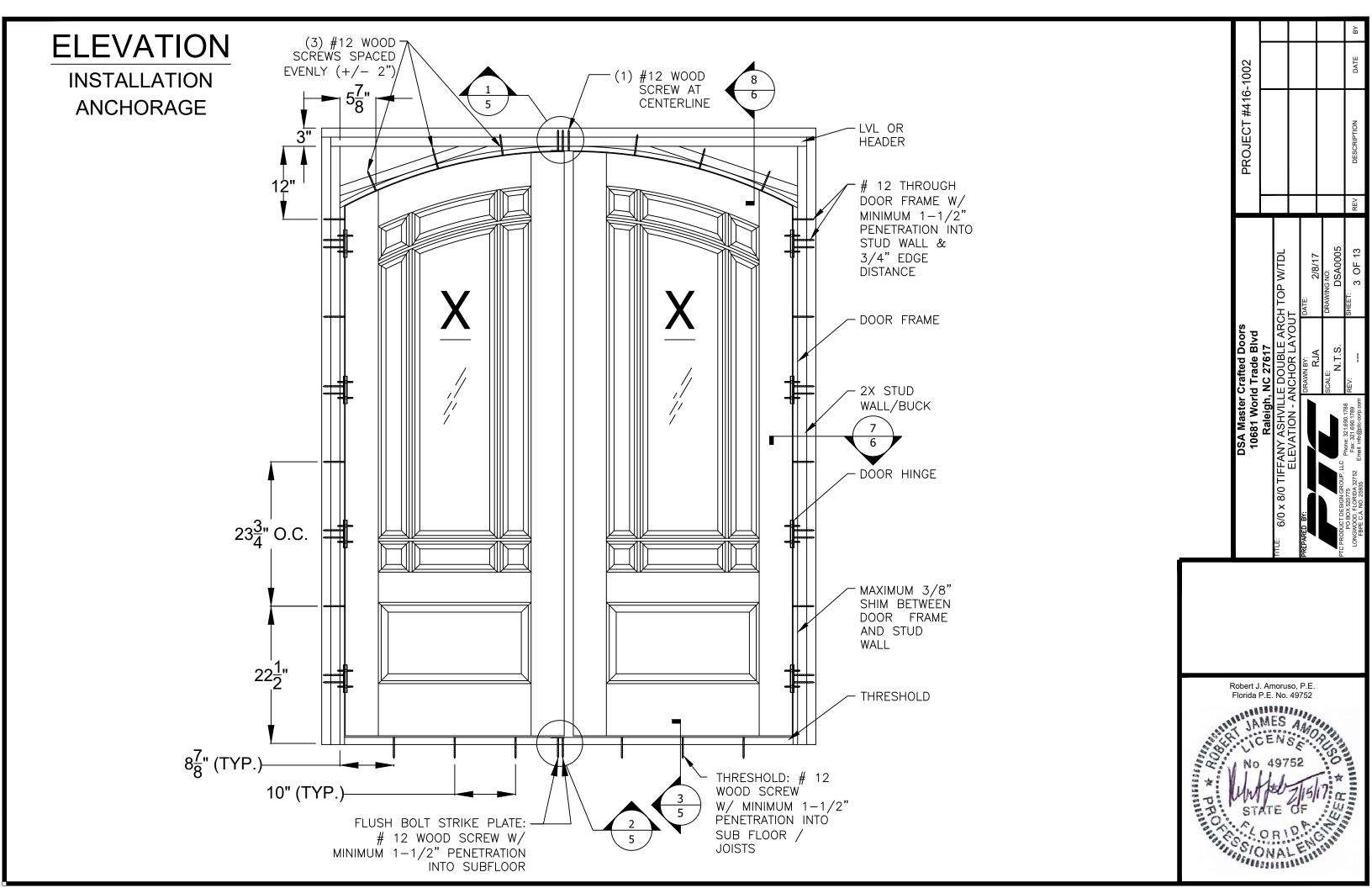
	PERFORMANCE RAT	ING	
DESIGN PRESSUR	E RATING (PSF)	WATER	
MAXIMUM UNIT DIMENSIONS AND GLAZING	UP TO O.A. SIZE SHOWN ON ELEVATION VIEW	PENETRATION RATING	IMPACT RATING
75-1/4" X 98-5/16" XX INSWING ARCH TOP	±50.0	NONE (1)	NONE

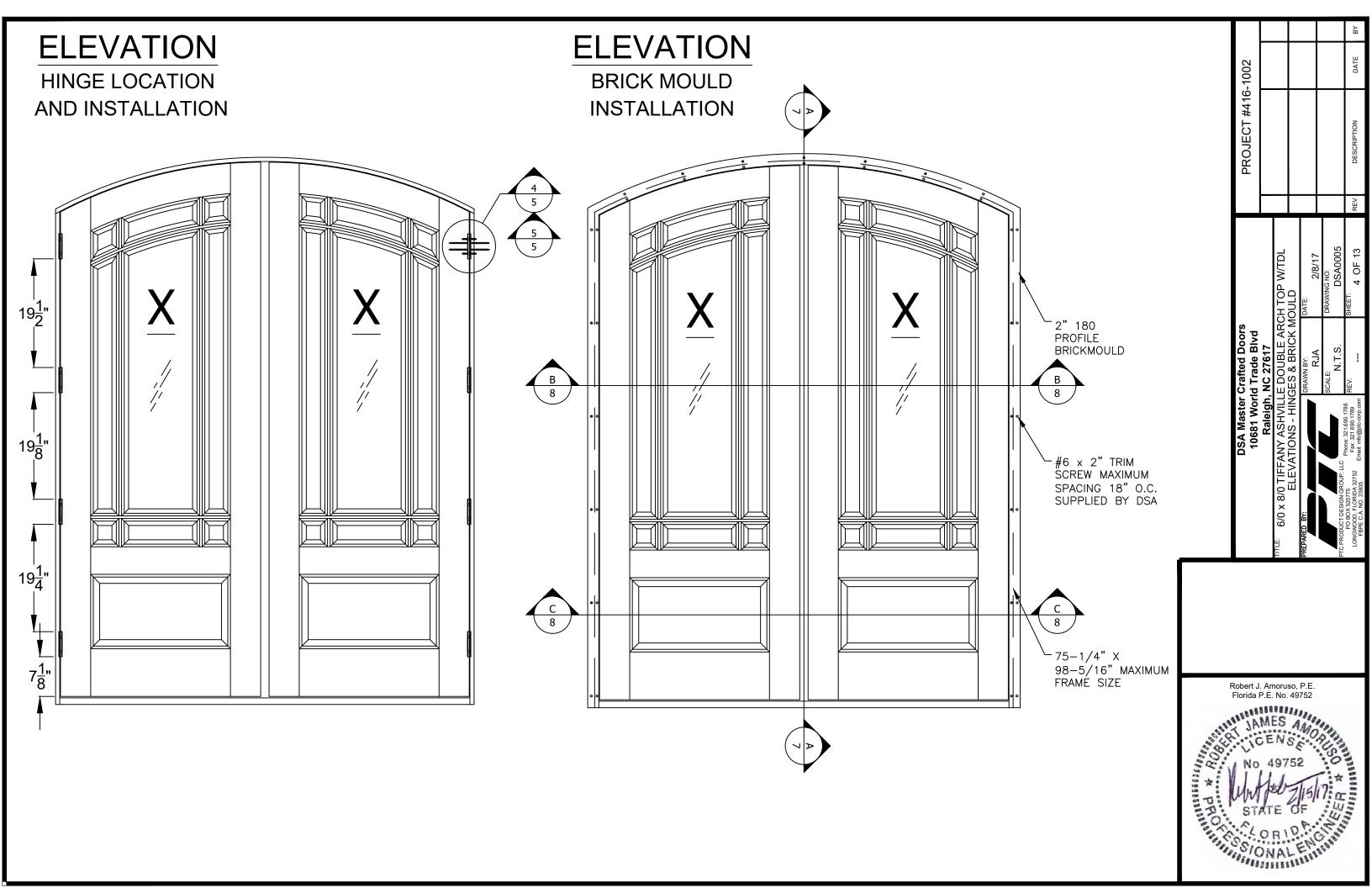
NOTE 1: PRODUCT NOT TESTED FOR WATER PENETRATION RESISTANCE. THEREFORE THE PRODUCT MUST BE USED WHERE WATER PENETRATION IS NOT REQUIRED OR WHERE AN OVERHANG MEETING THE REQUIREMENTS OF THE 5TH EDITION (2014) FBC/FRC HAS BEEN EMPLOYED.



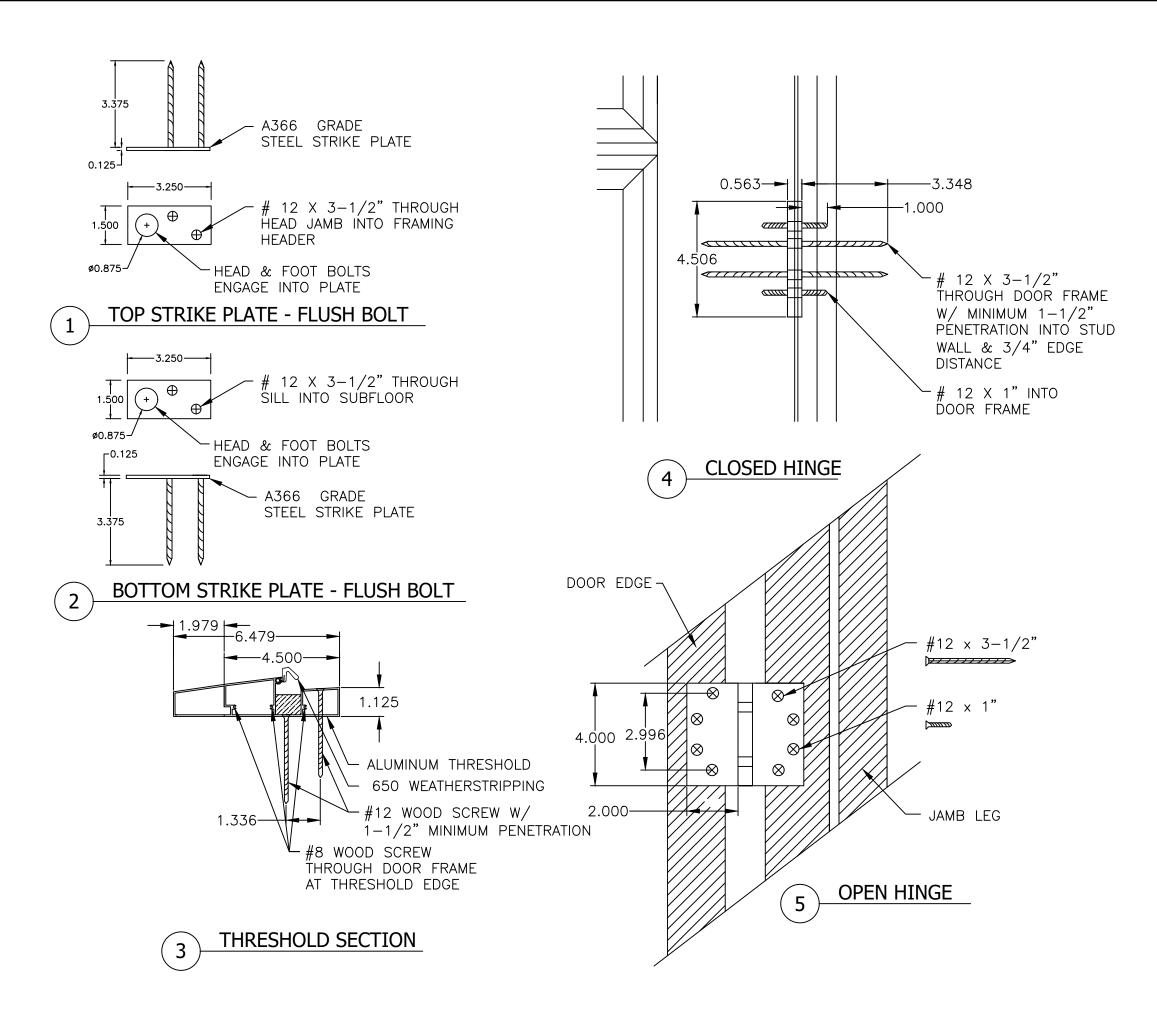


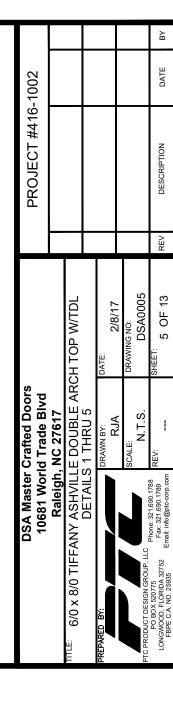


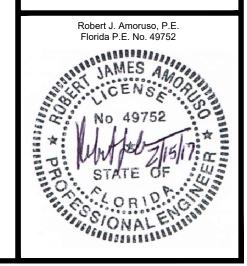


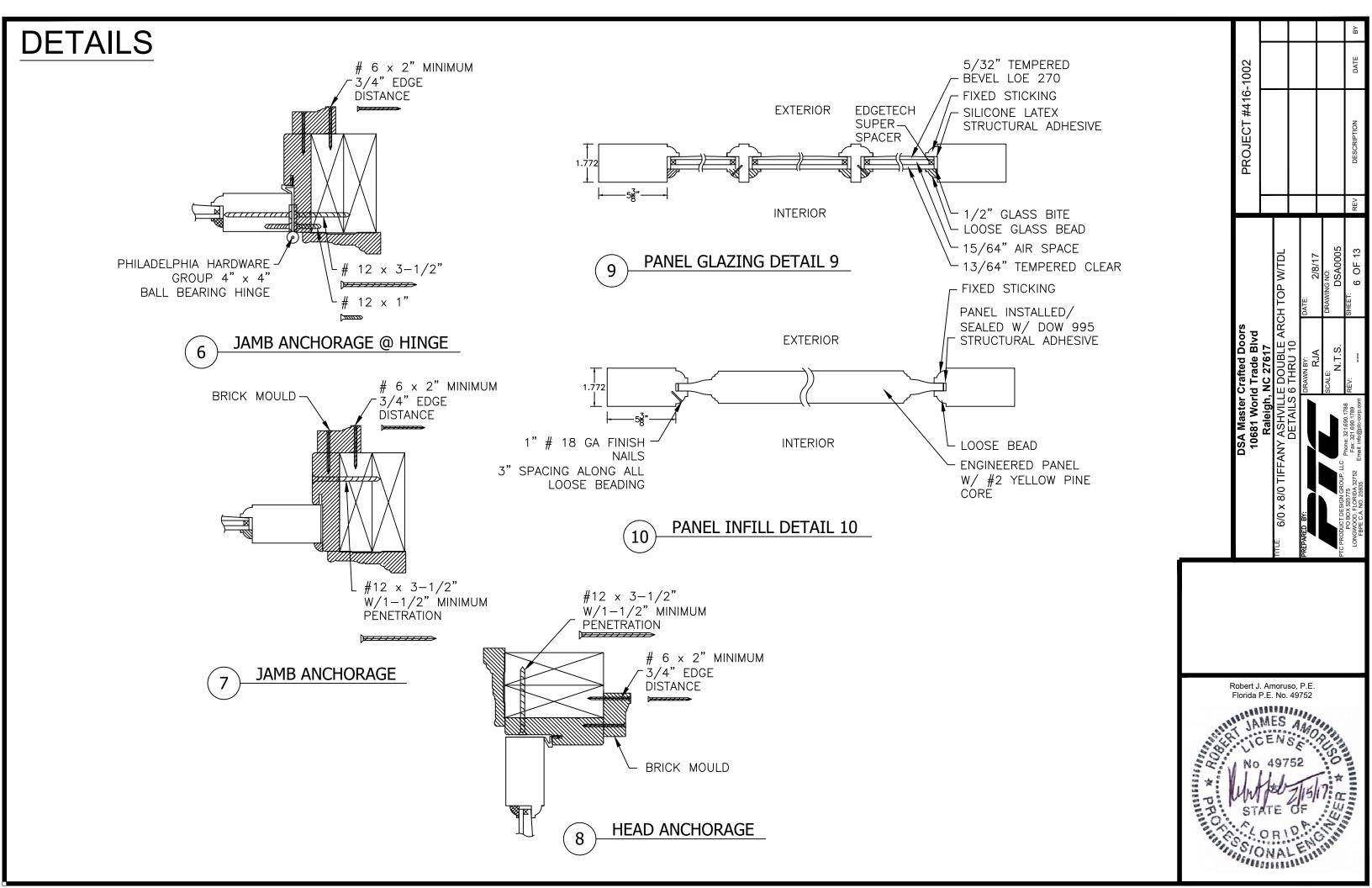


## **DETAILS**

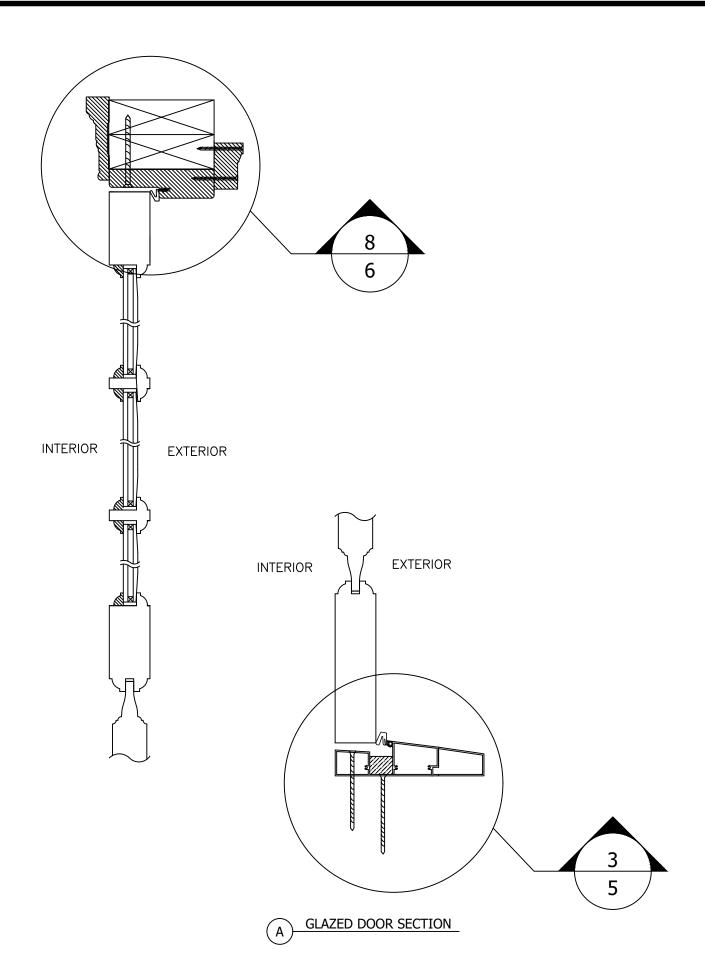


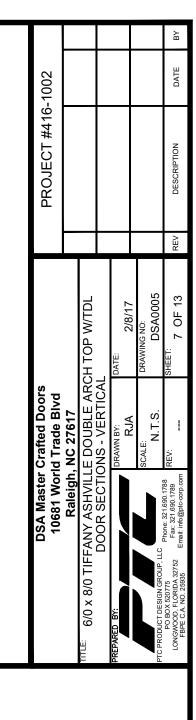


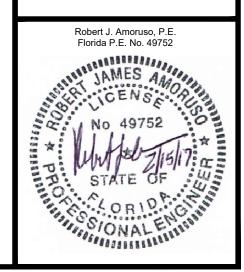




# SECTIONS DOOR VERTICAL VIEWS

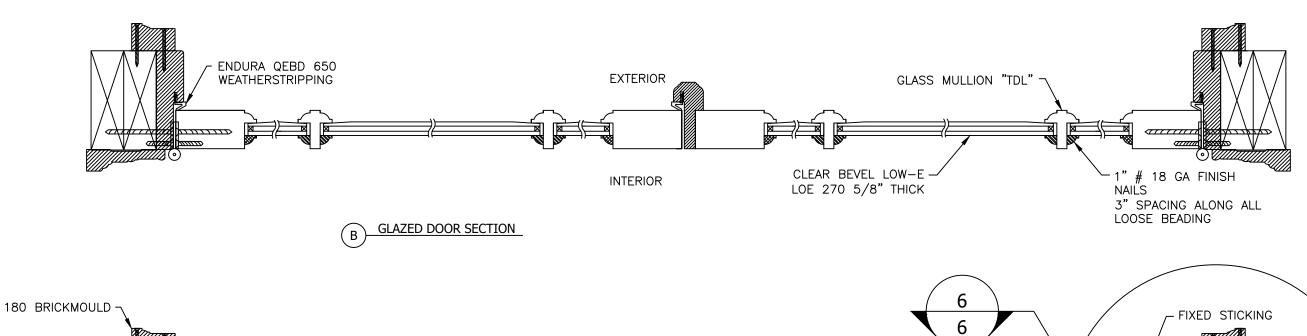


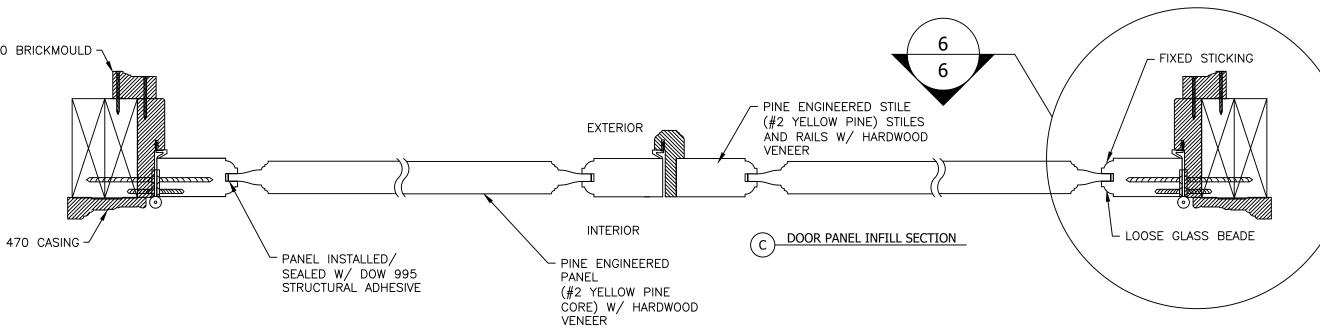




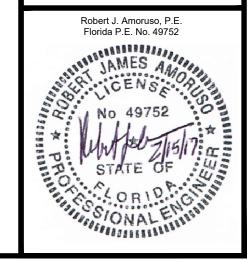
# **SECTIONS**

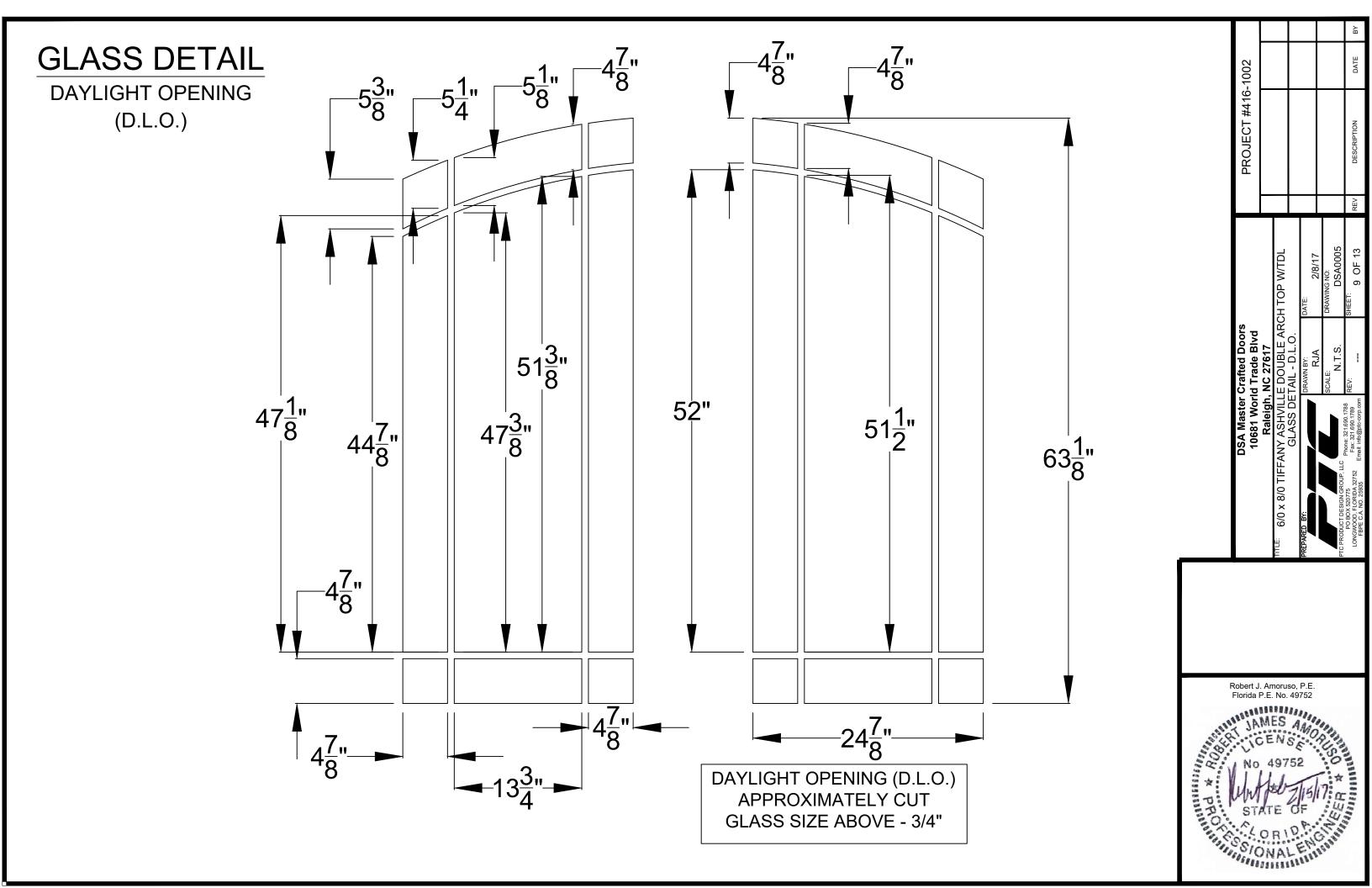
DOOR HORIZONTAL VIEWS





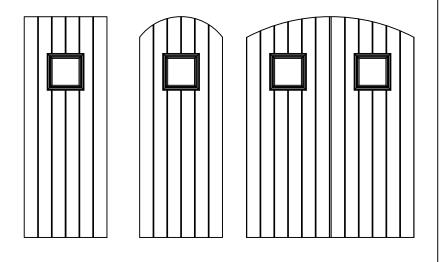
PROJECT #416-1002									REV DESCRIPTION DATE	
		H TOP W/TDL	۱L	DATE:	2/8/17	1107	DRAWING NO:	DSA0005	SHEET: 8 OF 13	2
DSA Master Crafted Doors 10681 World Trade Blvd	Raleigh, NC 27617	E DOUBLE ARC	JS - HORIZONT	DRAWN BY:	R.IA	100.1	SCALE:	N.T.S.	REV:	
DSA Master 10681 Worl	Raleigh,	6/0 x 8/0 TIFFANY ASHVILLE DOUBLE ARCH TOP W/TDL	DOOR SECTIONS - HORIZONTAL	PARED BY:				PRODUCT DESIGN GROUP, LLC	Phone: 321.690.1788 752 Fax: 321.690.1789	FBPE C.A. NO. 25935 Email: Inio@pic-corp.com



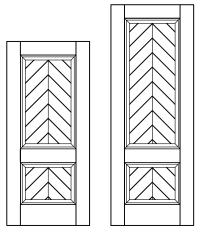


MAXIMUM FRAME, DOOR PANEL AND D.L.O. SIZES SHOWN ON SHEET 2 MUST BE MET.

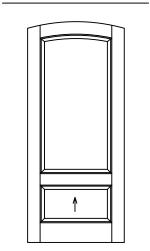
### **ASPEN COLLECTION**



# MANCHESTER COLLECTION



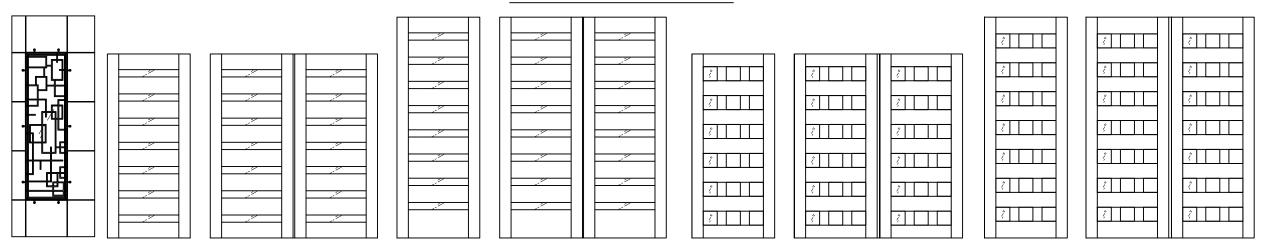
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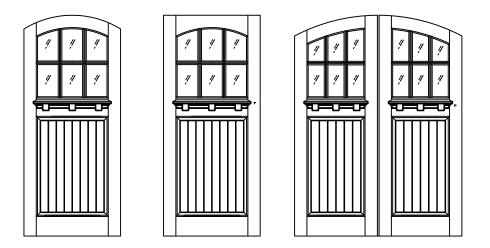
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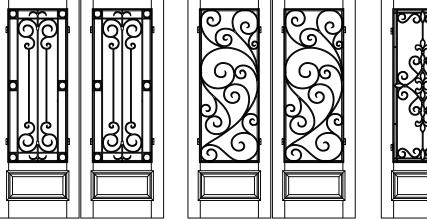
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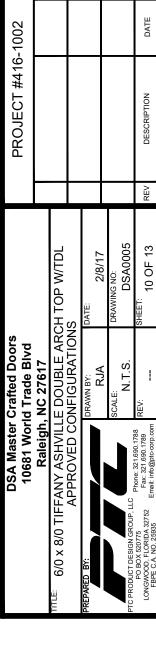
### LINVILLE COLLECTION

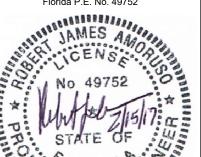


### **WAKEFIELD COLLECTION**





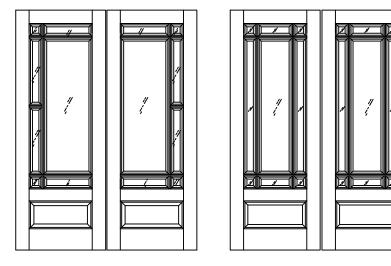


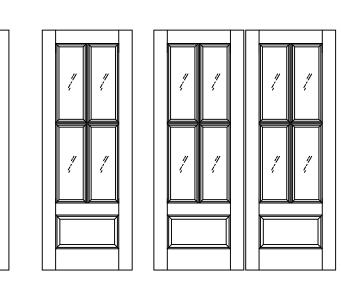


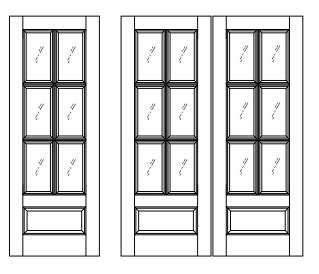
Robert J. Amoruso, P.E.

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

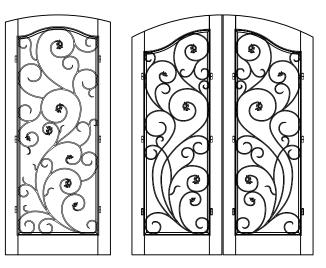
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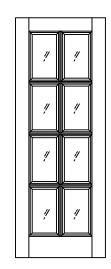


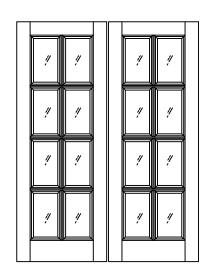


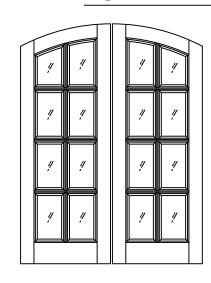
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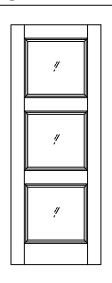


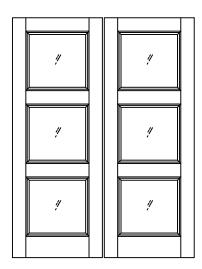
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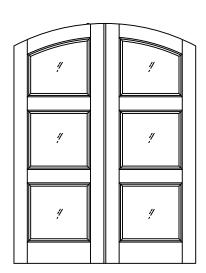


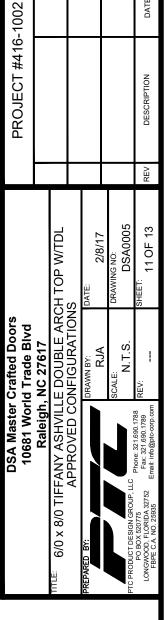


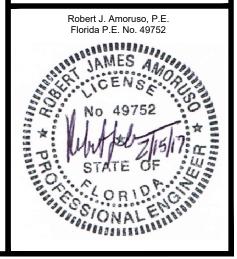






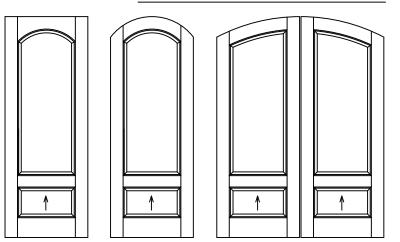


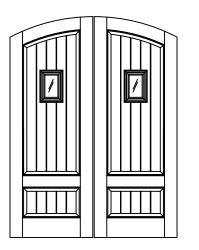


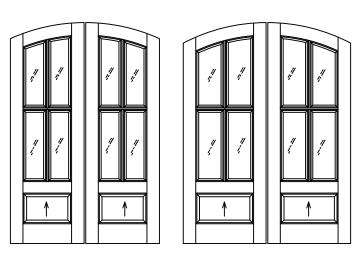


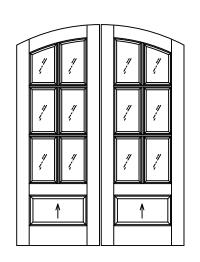
MAXIMUM FRAME, DOOR PANEL AND D.L.O. SIZES SHOWN ON SHEET 2 MUST BE MET.

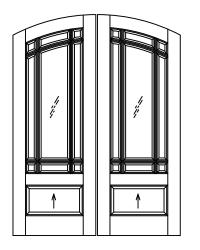
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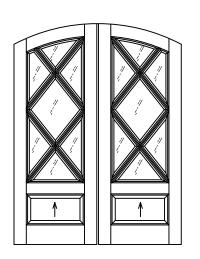


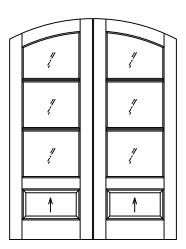


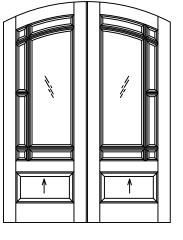


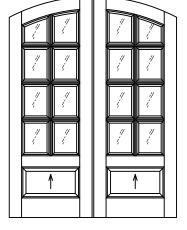


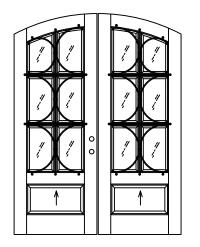


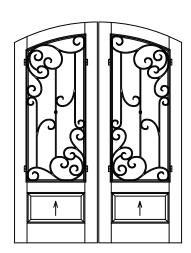


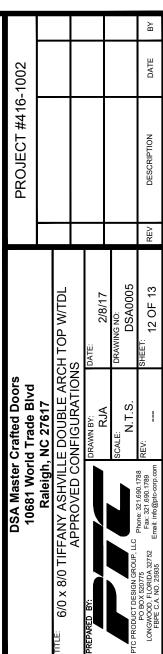


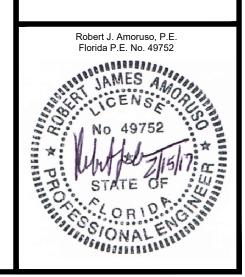






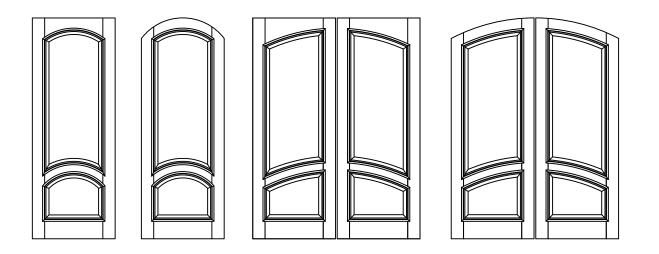


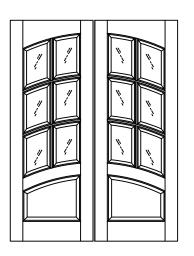


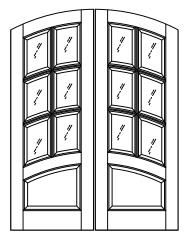


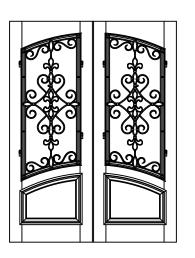
MAXIMUM FRAME, DOOR PANEL AND D.L.O. SIZES SHOWN ON SHEET 2 MUST BE MET.

### **ABERDEN COLLECTION**





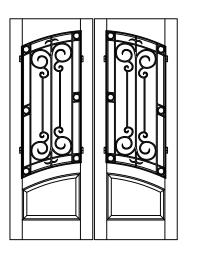














DSA Master 10681 Worl	DSA Master Crafted Doors 10681 World Trade Blvd			PROJECT #416-1002	-1002	
Raleigh,	Raleigh, NC 27617					
TITLE: 6/0 x 8/0 TIFFANY ASHVILLE DOUBLE ARCH TOP W/TDL	E DOUBLE ARC	H TOP W/TDL				
APPROVED CC	APPROVED CONFIGURATIONS	m				
PREPARED BY:	DRAWN BY:	DATE:				
	Δ.	2/8/17				
	701	2/0/17				
	SCALE:	DRAWING NO:				
PTC PRODUCT DESIGN GROUP, LLC	N.T.S.	DSA0005				
PO BOX 520775 Fnone: 321.89U.1788 LONGWOOD, FLORIDA 32752 Fax: 321.69U.1789 FBPE C.A. NO. 25935 Fmail: info@ptc-corp.com	REV: 	SHEET: 13 OF 13	REV	DESCRIPTION	DATE	ВУ

