DSA Master Crafted Doors 7/0 x 8/0 Double Full Lite/2 Panels

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

- 1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE CURRENT EDITION 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 0924.01-13 DATED 10/28/13 AND ASSOCIATED LABORATORY STAMPED DRAWINGS. TESTING WAS PERFORMED TO THE FOLLOWING:
- 1.1. ASTM E330-02
- 1.2. ASTM E283-04
- 1.3. ASTM E1886-05
- .4. ASTM E1996-09
- 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
- 6. GLAZING:
- 6.1. 1" OVERALL THICKNESS: 5/32" TEMPERED, AIR SPACE (XL EDGE SPACER), 5/16" LAMINATED (1/8" ANNEALED/ KURARAY BUTACITE .090 PVB INTERLAYER/ 1/8" ANNEALED) BY CARDINAL GLASS INDUSTRIES INC. GLAZED USING DOW 995 STRUCTURAL ADHESIVE 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. MULTI-POINT LOCK AND HANDLES BY ASHLAND HARDWARE.
- 9.2. HINGES: (8) STEEL 4-1/2" X 4-1/2" BALL BEARING HINGES BY CAL ROYAL

	TABLE OF CONTENTS						
SHEET	DESCRIPTION						
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2	ELEVATION						
3	ELEVATION - ANCHOR LAYOUT						
4	ELEVATIONS - HINGES & BRICK MOULD						
5	DETAILS 1 THRU 5						
6	DETAILS 6 THRU 10						
7	DOOR SECTIONS - HORIZONTAL						
8	DOOR SECTIONS - HORIZONTAL						
9	APPROVED CONFIGURATIONS						
10	APPROVED CONFIGURATIONS						

INSTALLATION NOTES:

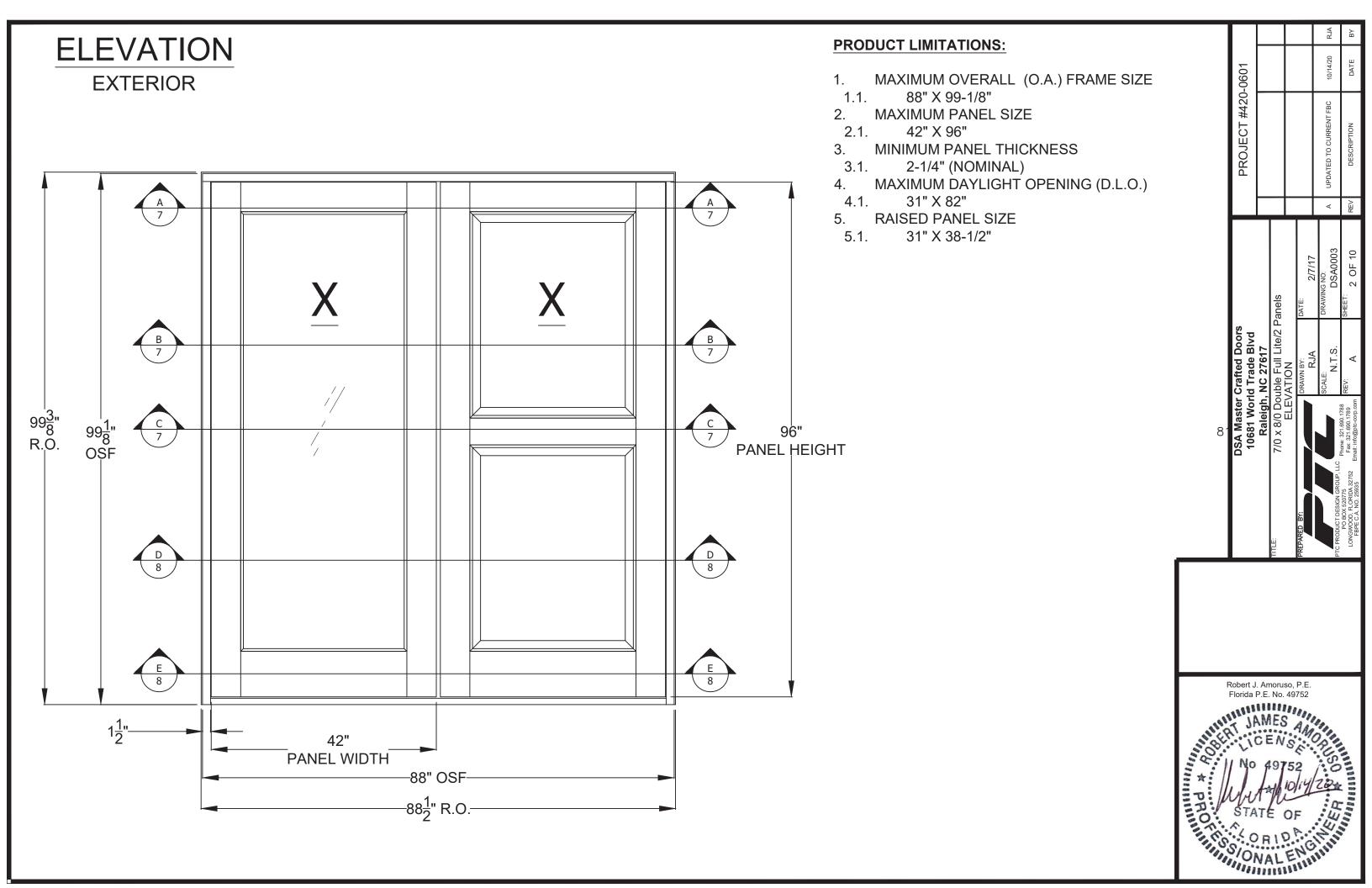
- 1. SEE ELEVATION (SHEET 3), SECTION VIEWS (SHEETS 7 AND 8) AND DETAILS (SHEETS 5 AND 6) FOR INSTALLATION ANCHOR TYPE, LOCATION, QUANTITY AND PLACEMENT IN 2X WOOD FRAMING OR 2X WOOD BUCKING. FOR INSTALLATION ANCHORS IN CONCRETE AND MASONRY CONSTRUCTION, SEE NOTE 2 BELOW.
- 2. INSTALLATIONS DETAILS DEPICTED 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.
- 2.2.2.2. DETAIL 2, SHEET 5 BOTTOM STRIKE PLATE.
- 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. DETAIL 5. SHEET 5 OPEN HINGE (APPLICABLE TO #12 X 3-1/2" WS LOCATION ONLY).
- 2.2.2.5. DETAIL 6, SHEET 6 JAMB ANCHORAGE AT HINGE (APPLICABLE TO #12 X 3-1/2" WS LOCATION ONLY).
- 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).
- .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	TING		
DESIGN PRESSUR	E RATING (PSF)	WATER	IMPACT RATING	
MAXIMUM UNIT DIMENSIONS AND GLAZING	UP TO O.A. SIZE SHOWN ON ELEVATION VIEW	PENETRATION RATING		
88" X 99-1/8" XX INSWING	±50.0	NONE (1)	MISSILE LEVEL D WIND ZONE 4	

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 CURRENT EDITION FBC/FRC HAS BEEN EMPLOYED.

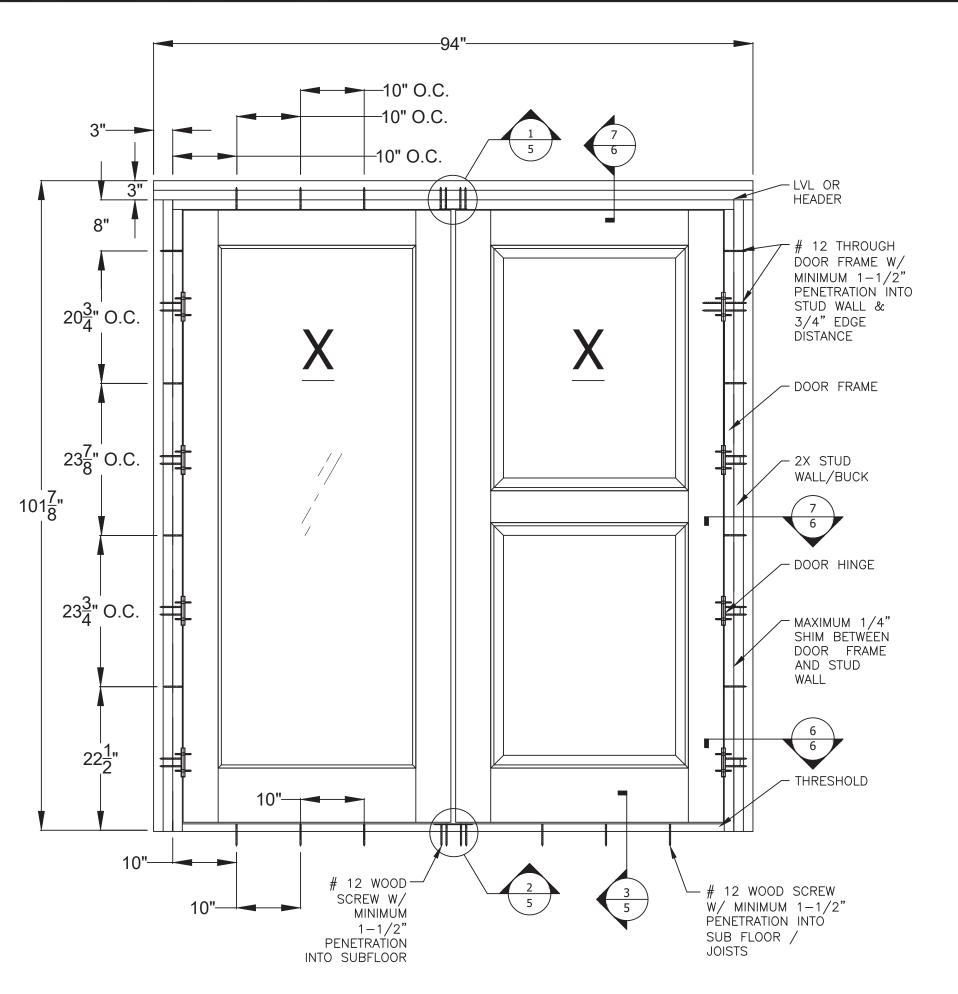
301			l					10/14/20
PROJECT #420-0601								UPDATED TO CORRENT FBC
						_		∢
DSA Master Crafted Doors 10681 World Trade Blvd ביסומה את סדבת		Kaleigh, NC 2/61/ 7/0 x 8/0 Double Full Lite/2 Panels	NOTES - GENERAL & INSTALLATION	DATE:	2/7/17		DRAWING NO:	20000
	Raleigh, NC 27617			DRAWN BY:	RIA	1701	SCALE:	U F Z
DSA Master 10681 Worl	Raleigh,	TITLE: 7/0 x 8/0 Doi	NOTES - GENERA	PREPARED BY:				

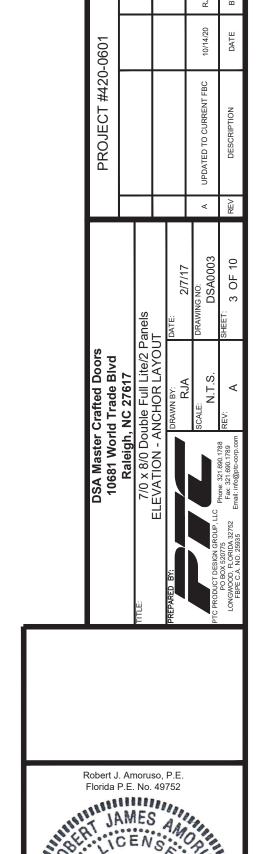


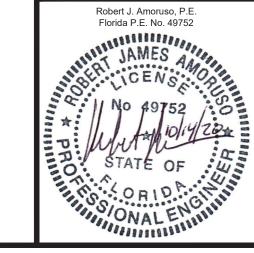


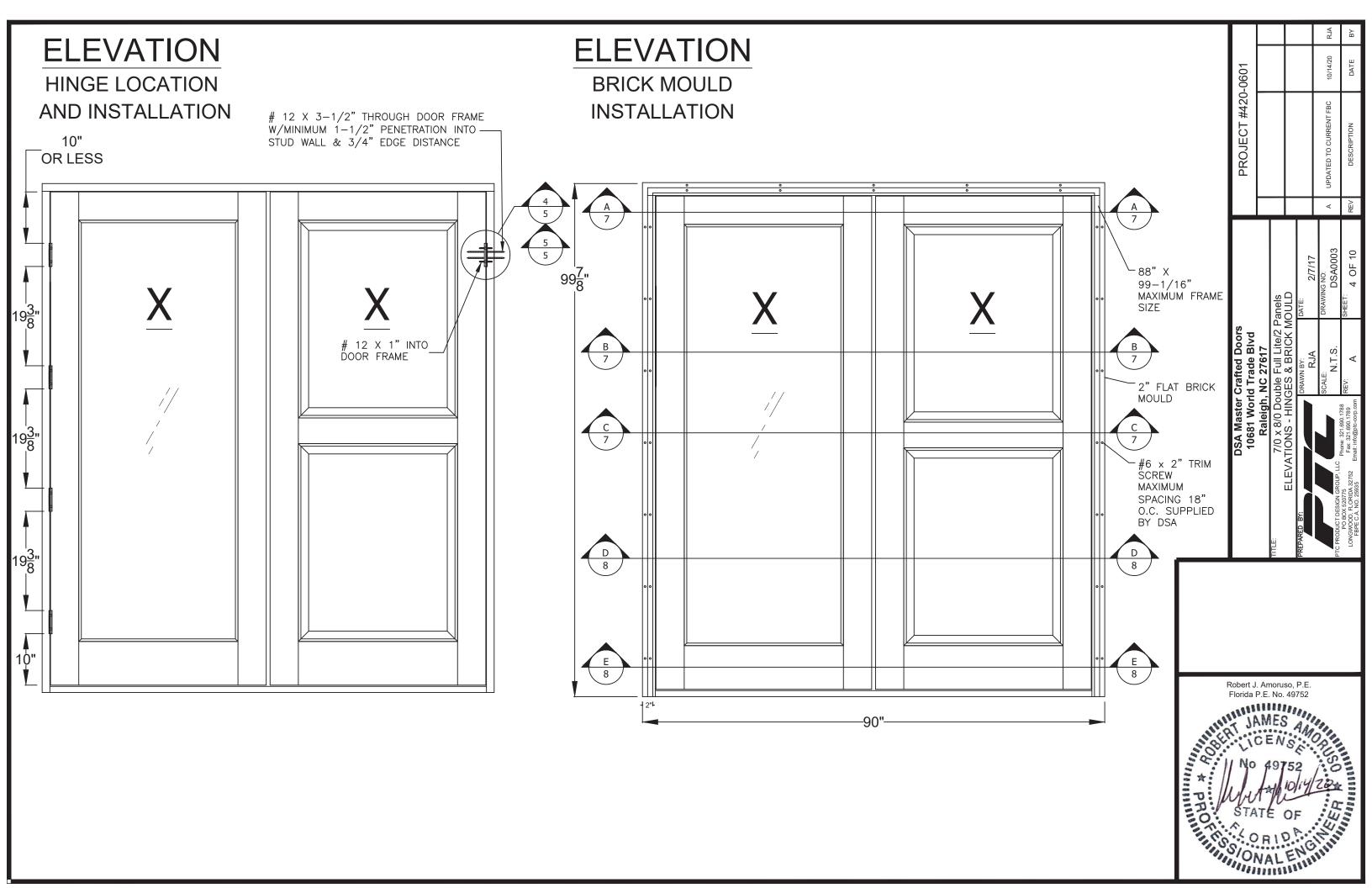
ELEVATION

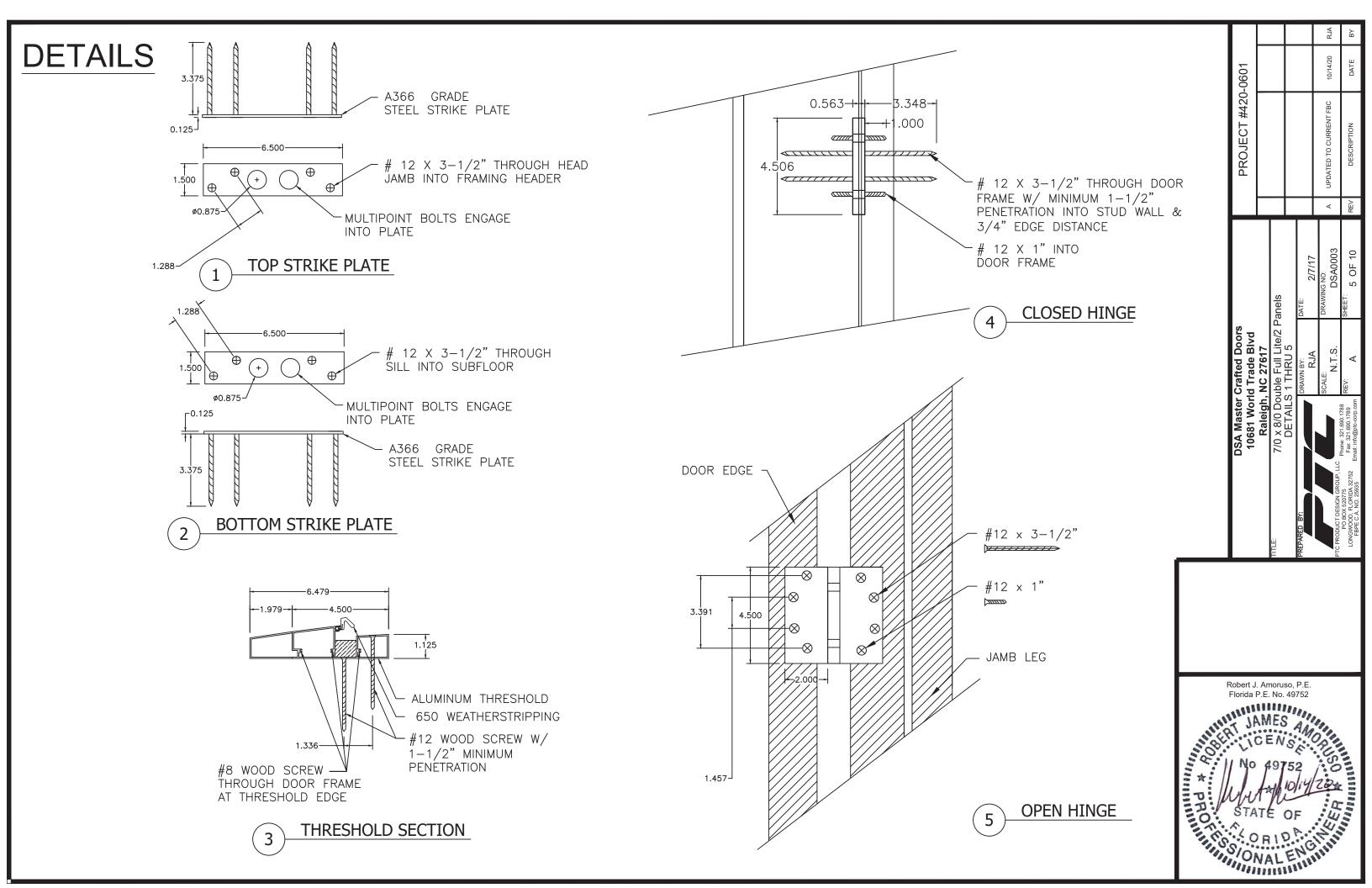
INSTALLATION ANCHORAGE



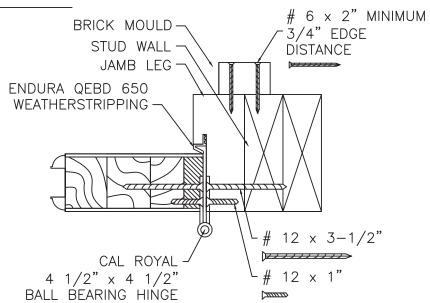




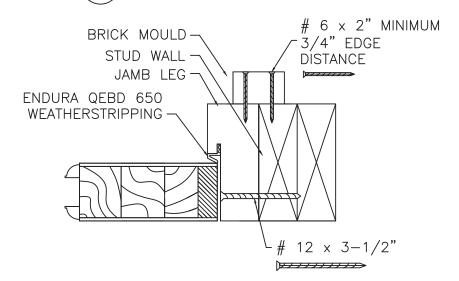




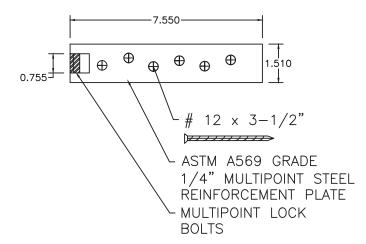
DETAILS



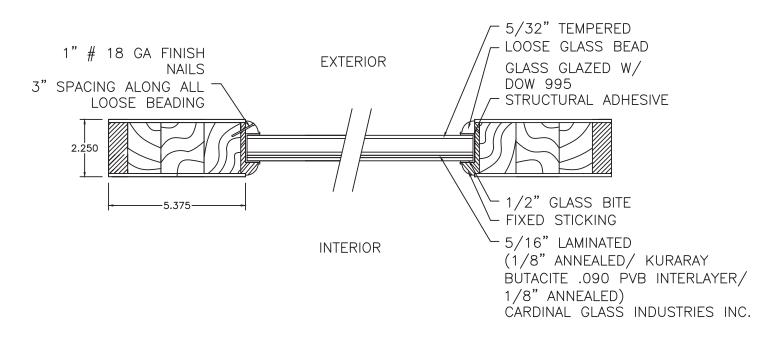
6 JAMB ANCHORAGE @ HINGE



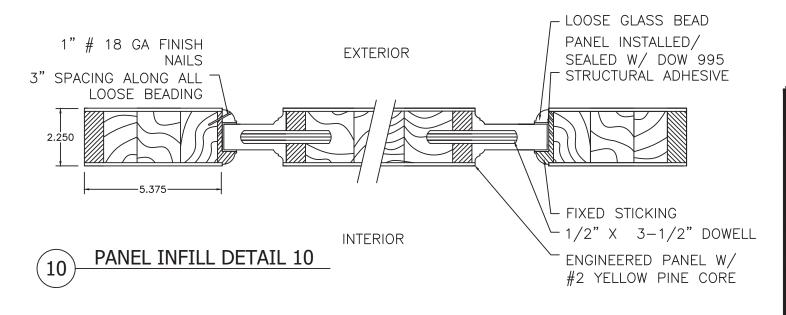
JAMB ANCHORAGE (HEAD ANCHORAGE SAME)

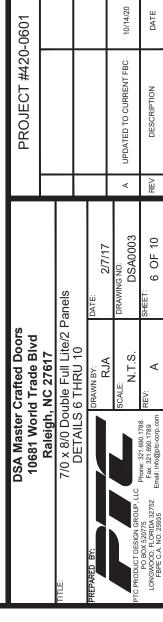


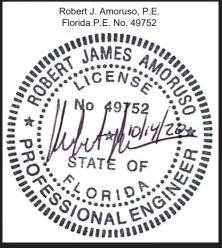
REINFORCEMENT PLATE AT MULTIPOINT LOCK

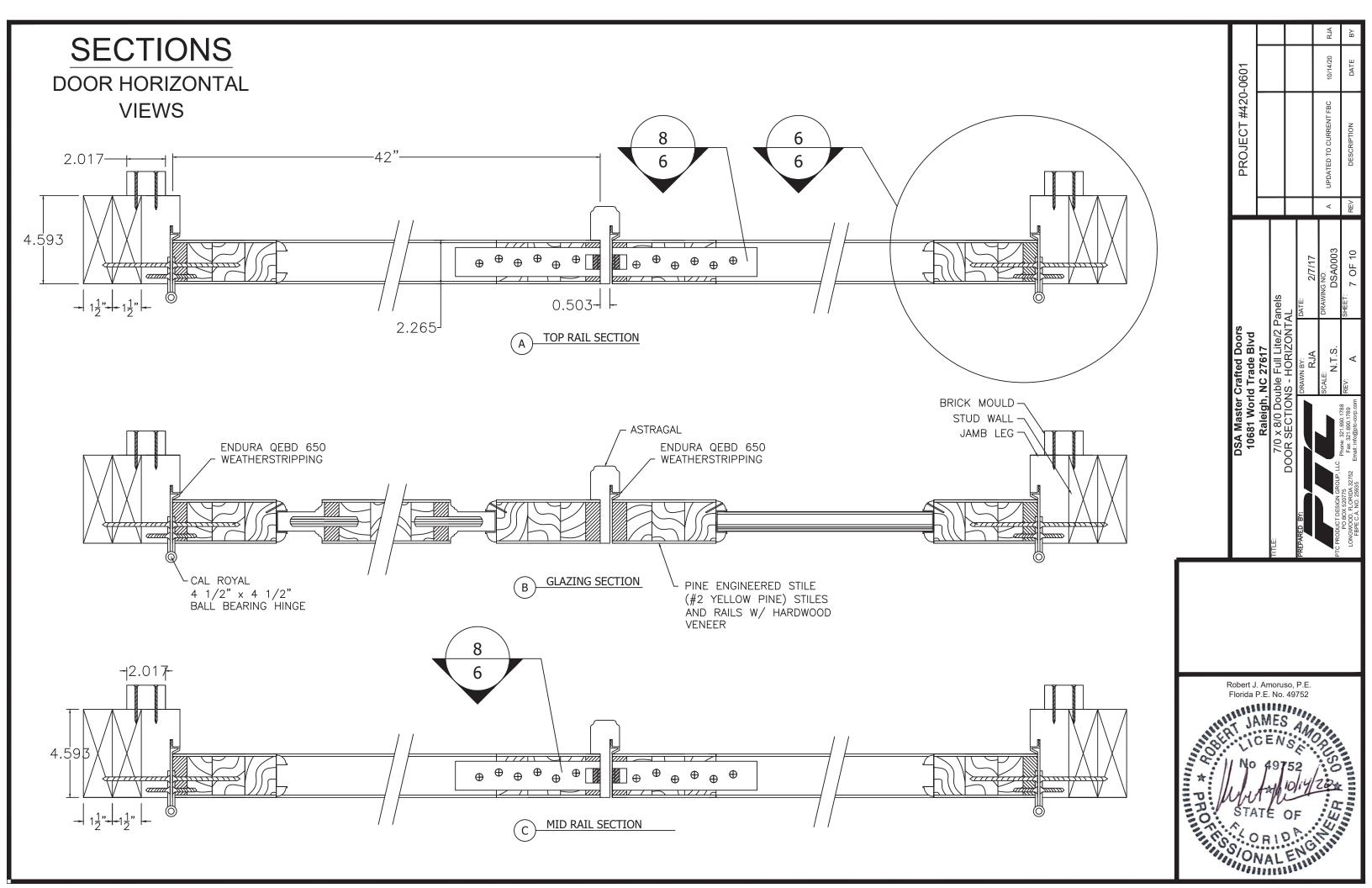


9 PANEL GLAZING DETAIL 9



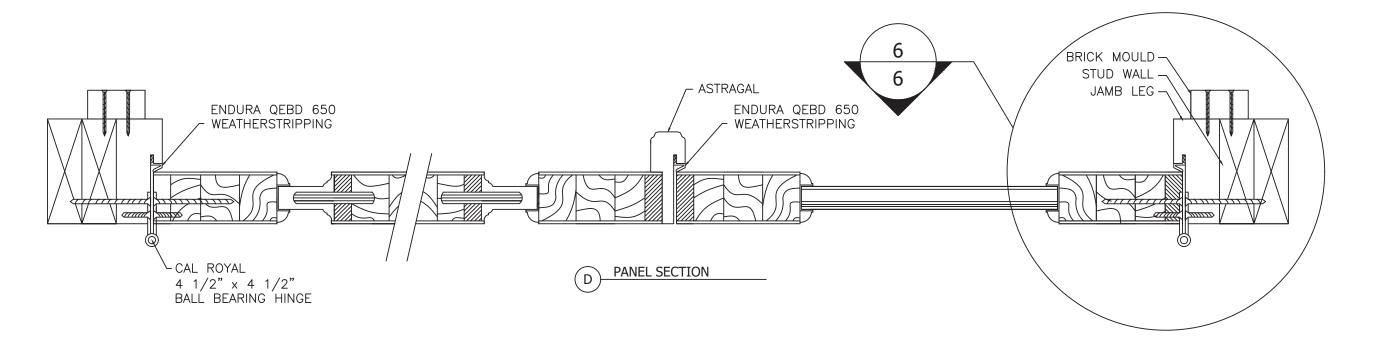


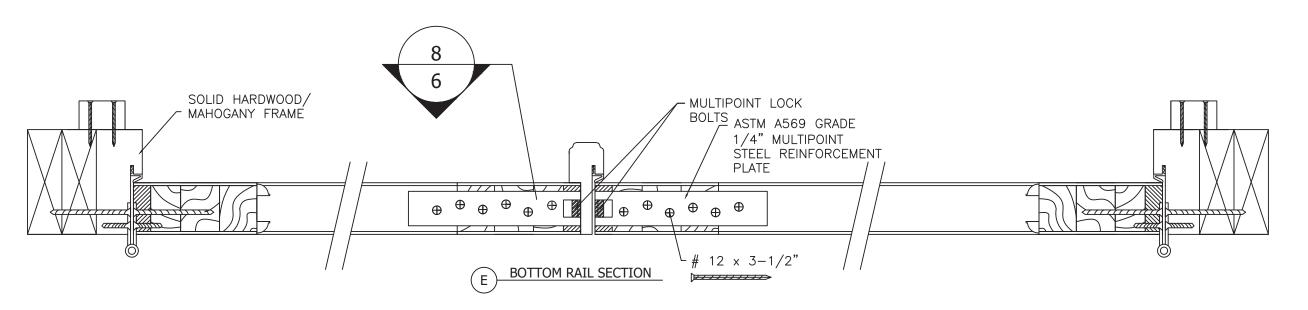


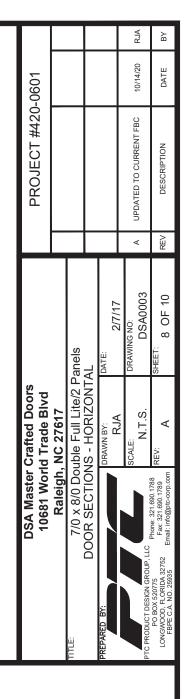


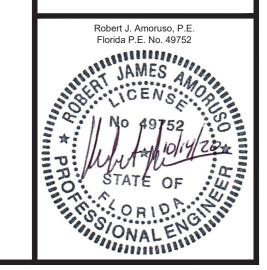
SECTIONS

DOOR HORIZONTAL VIEWS





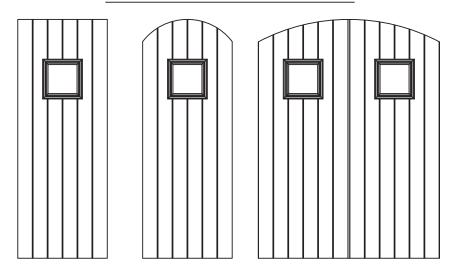




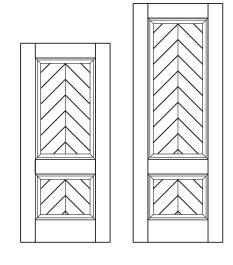
APPROVED CONFIGURATIONS

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

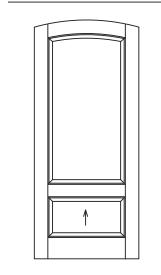
ASPEN COLLECTION



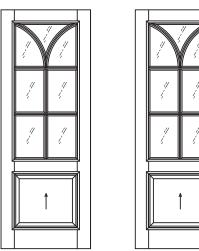
MANCHESTER COLLECTION

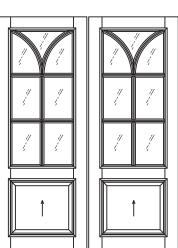


TRINITY COLLECTION

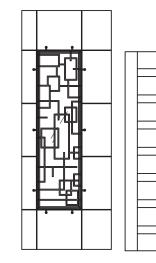


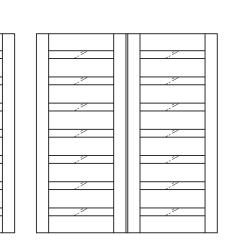
RENAISSANCE COLLECTION

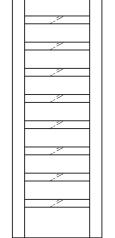


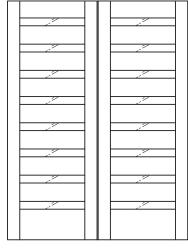


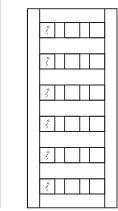
MILAN COLLECTION

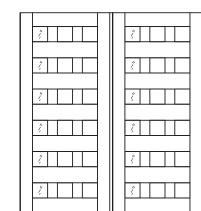


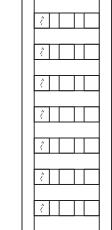


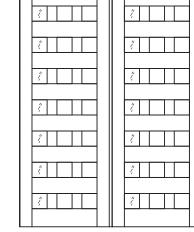


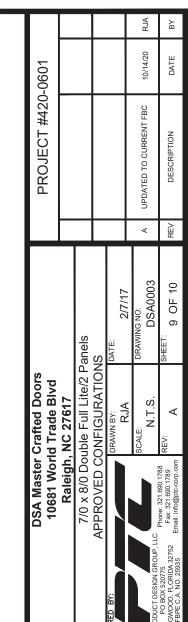


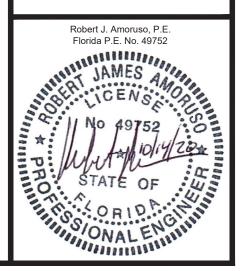








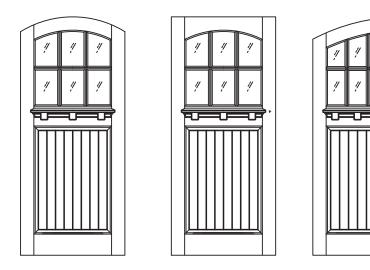




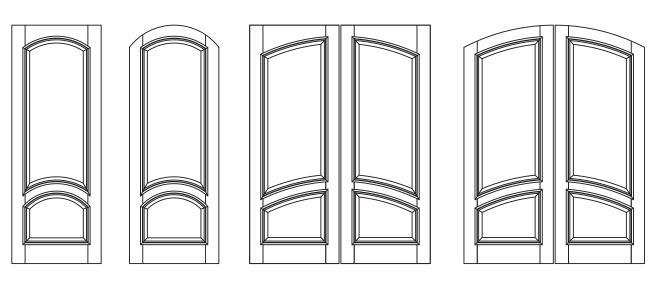
APPROVED CONFIGURATIONS

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

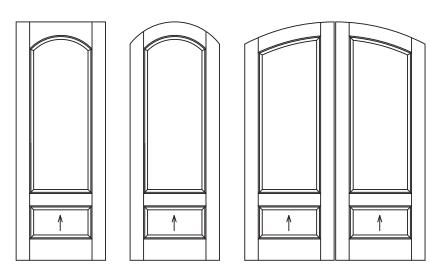
LINVILLE COLLECTION

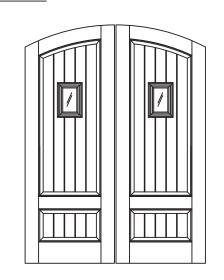


ABERDEEN COLLECTION



TIFFANY COLLECTION





WAKEFIELD COLLECTION

