

SOUTHEAST ARCHITECTURAL MILLWORK, INC.

SERIES “WOOD DOOR WITH TRANSOM”

Out-Swing Glazed Wood Side-Hinged Double Doors w/Transom

INSTALLATION ANCHORAGE DETAILS

GENEREAL NOTES:

1.

THE PRODUCT SHOWN HEREIN IS TESTED AND DESIGNED TO COMPLY WITH REQUIREMENTS OF THE 9th EDITION (2026) FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2.

WOOD FRAMING, 2X WOOD BUCK AND CONCRETE/MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND CONCRETE/MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD. APPROVED INSTALLATION SUBSTRATES INCLUDE THE FOLLOWING:

2.1.

WOOD FRAMING

2.2.

STEEL STUD FRAMING AND

2.3.

CONCRETE AND/OR MASONRY
3.

1X BUCK OVER CONCRETE/MASONRY IS OPTIONAL. WHERE 1X BUCKS ARE USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME AND 1X BUCK INTO CONCRETE/MASONRY SUBSTRATE. WHERE 1X BUCK IS NOT USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME INTO CONCRETE/MASONRY SUBSTRATE. DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4.

THE PRODUCT SHOWN HEREIN HAS BEEN TESTED IN CONFORMANCE WITH SECTION TO THE FOLLOWING: TAS 201, TAS 202 AND TAS 203. SEE TEST REPORT NO. C7124.01-550-18 R1, DATED 03/11/20 BY INTERTEK, 1701 WESTFORK DRIVE, SUITE 106, LITHIA SPRINGS, GA 30122, SIGNED AND SEALED BY VINU J. ABRAHAM, FL P.E.
5.

APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS INCLUDING THE HVHZ.
6.

MATERIALS:

6.1.

TYPICAL FRAME AND PANEL COMPONENTS: SAPELE WOOD:

6.2.

PANEL STILES: SAPELE WOOD WITH FJ CORE

6.3.

SILL/THRESHOLD: SAPELE WOOD/ALUMINUM

6.4.

TRANSOM TO DOOR HEAD MULLION & RAISED PANEL INTERIOR: STRUCTURAL PLYWOOD

6.5.

FRAME CORNERS SECURED WITH FOUR #9 x 3" ZINC-PLATED SCREWS, PANEL CORNERS MECHANICAL COPE AND STICK WITH FRANKLIN TITE BOND 3 GLUE.
7.

GLAZING:

7.1.

GLAZING DETAIL AS TESTED: OVERALL 1.25" NOMINAL

7.1.1.

GLAZING DETAIL A

7.1.1.1.

EXTERIOR: 3/16" TEMPERED GLASS X 5/8" AIR SPACE X LAMI (3/16" HEAT-STRENGTHENED GLASS X 0.100" SAFLEX PVB INTERLAYER X 3/16" HEAT-STRENGTHENED GLASS) :INTERIOR

7.1.1.1.1.

SAFLEX PVB INTERLAYER BY EASTMAN CHEMICAL CO. MEETS FLORIDA BUILDING CODE REQUIREMENTS PER CURRENT MIAMI-DADE NOTICE OF ACCEPTANCE.

7.1.1.2.

INTERIOR: TREMCO S500 SILICONE SEALANT

7.1.1.3.

EXTERIOR: TREMCO S500 SILICONE SEALANT AND GLASS STOP (PART #29), INSTALLED WITH 1" 18 GAUGE BRAD NAILS LOCATED 2" FROM EDGES AND 10" ON CENTER VERTICALLY AND 6" ON CENTER HORIZONTALLY

7.1.1.4.

SPACER: ALLMETAL 5/8" STANDARD AIR SPACERS

7.1.2.

GLAZING DETAIL B

7.1.2.1.

EXTERIOR: 3/16" TEMPERED GLASS X 5/8" AIR SPACE X LAMI (3/16" HEAT-STRENGTHENED GLASS X 0.100" UVEKOL TYPE "S" LIQUID RESIN INTERLAYER X 3/16" HEAT-STRENGTHENED GLASS) :INTERIOR

7.1.2.1.1.

UVEKOL TYPE "S" LIQUID RESIN INTERLAYER BY ALLNEX USA INC. MEETS FLORIDA BUILDING CODE REQUIREMENTS PER CURRENT MIAMI-DADE NOTICE OF ACCEPTANCE.

7.1.2.2.

INTERIOR: TREMCO S500 SILICONE SEALANT

7.1.1.3.

EXTERIOR: TREMCO S500 SILICONE SEALANT AND GLASS STOP (PART #29), INSTALLED WITH 1" 18 GAUGE BRAD NAILS LOCATED 2" FROM EDGES AND 10" ON CENTER VERTICALLY AND 6" ON CENTER HORIZONTALLY

7.1.1.4.

SPACER: ALLMETAL 5/8" STANDARD AIR SPACERS

7.2.

AS TESTED GLAZING MEETS ASTM E1300-24 FOR THE DESIGN CONDITIONS SHOWN IN THIS PRODUCT APPROVAL DOCUMENT.

7.3.

WHERE REQUIRED, SETTING BLOCKS SHALL BE NEOPRENE 70-90 SHORE A DUROMETER HARDNESS PER SECTION 2411.3.3.1, 9TH EDITION (2026) FLORIDA BUILDING CODE.
8.

DESIGNATION "X" STANDS FOR OPERABLE PANEL AND "O" STANDS FOR FIXED LIGHT.
9.

INTERIOR AND EXTERIOR FINISHING AND PERIMETER SEALING ARE FOR ILLUSTRATIVE PURPOSES ONLY. THESE DRAWINGS CERTIFY THE DOOR INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED DOOR IS NOT PART OF THIS INSTALLATION CERTIFICATION. WATER PROOFING SHALL BE THE RESPONSIBILITY OF THE INSTALLER.

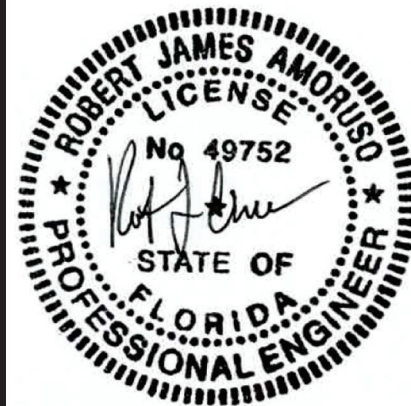
9.1.

PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH THE FBC RESIDENTIAL AND BUILDING AND WITH FMA/AAMA/WDMA PROTOCOLS.

PERFORMANCE RATING					
MAXIMUM FRAME SIZE	CONFIG.	ELEVATION	GLAZING DETAIL (SEE GENERAL NOTE 7)	DESIGN PRESSURE (PSF)	IMPACT RATING
74-1/4" X 124-1/2"	O/XX	SHEET 2	A & B	+/- 50	LMI (HVHZ)
					WIND ZONE 4 MISSILE LEVEL D (NON-HVHZ)
THIS PRODUCT HAS BEEN TESTED FOR LIMITED WATER PENETRATION PER TAS 202. IT SHALL ONLY BE USED IN AREAS WHERE WATER PENETRATION REQUIREMENTS DO NOT EXIST OR WHERE AN OVERHANG MEETING THE REQUIREMENTS OF SECTION 1709.5.1, SECTION 1709.5.2, OR SECTION 2411.3.2.1 (HVHZ ONLY) OF THE 9TH EDITION (2026) FLORIDA BUILDING CODE.					
SEE SHEET 2 FOR FRAME, PANEL, TRANSOM AND DAYLIGHT OPENING SIZES FOR O/XX, O/X, XX AND X CONFIGURATIONS.					

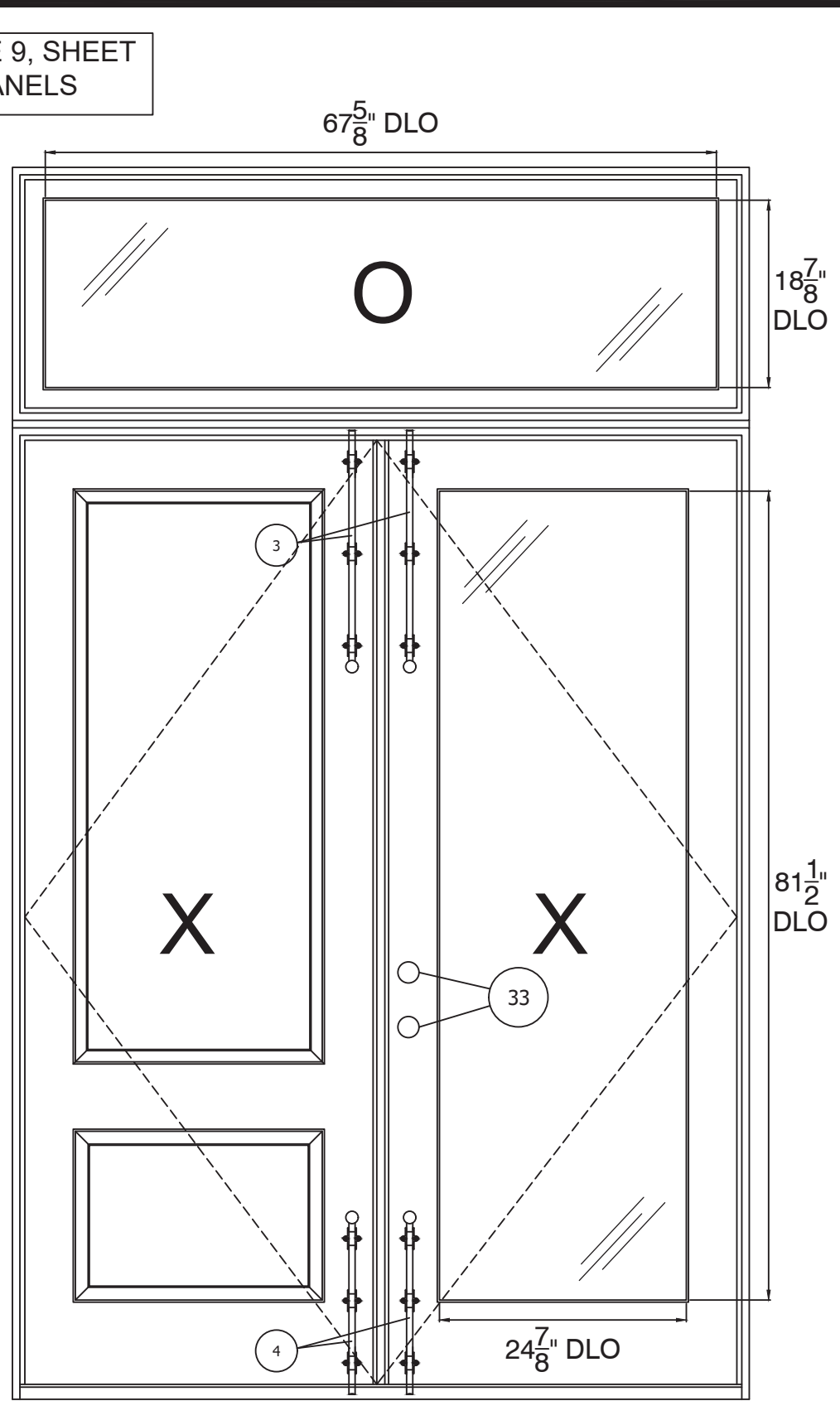
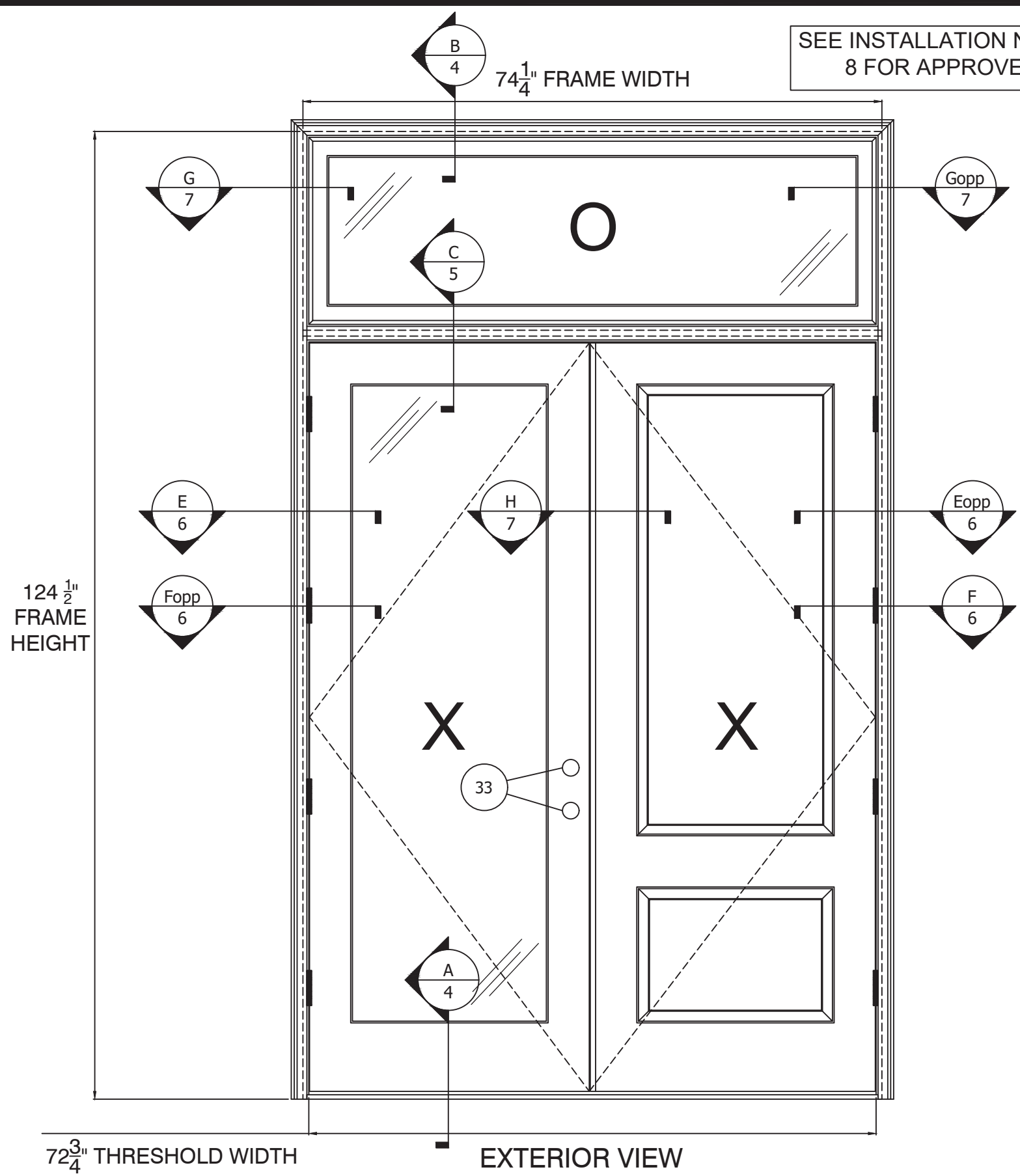
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4	VERTICAL SECTIONS A & B
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8	INSTALLATION NOTES AND TABLE
9	COMPONENTS
10	BILL OF MATERIALS

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



SIGNED/SEALED: 8/8/26

SOUTHEAST ARCHITECTURAL MILLWORK, INC. 3485 HIGHWAY 411 WHITE, GA 30184					PROJECT NO. ACE-2025-144			
TITLE: SERIES "WOOD DOOR WITH TRANSOM" GENERAL NOTES, PERFORMANCE RATING TABLE & TABLE OF CONTENTS								
					B	UPDATE TO THE 9TH EDITION (2026) FBC	8/8/26	RJA
					A	UPDATE TO THE 8TH EDITION (2023) FBC	6/20/23	RJA
PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM					REV	DESCRIPTION	DATE	BY
DRAWN BY: RJA SCALE: N.T.S. REV: B					DATE:	6/19/2020		
					DRAWING NO:	SAM0001		
					SHEET:	1 OF 10		



SERIES “ WOOD DOOR WITH TRANSOM”
EXTERIOR VIEW
(O/XX SHOWN. O/X, XX, AND X ALSO APPROVED)

MAXIMUM SIZES				
	O/XX	O/X	XX	X
FRAME	74-1/4" X 124-1/2"	37-1/2" X 124-1/2"	74-1/4" X 98-3/4"	37-1/2" X 98-3/4"
PANEL	35-7/8" X 96"	35-7/8" X 96"	35-7/8" X 96"	35-7/8" X 96"
TRANSOM	74-1/4" x 24"	35-7/8" x 24"	n/a	n/a

PROJECT NO. ACE-2025-144

		RJA	BY
	8/8/26		DATE
B	UPDATE TO THE 9TH EDITION (2026) FBC		
A	UPDATE TO THE 8TH EDITION (2023) FBC		
REV	DESCRIPTION		

SOUTHEAST ARCHITECTURAL MILLWORK, INC.
3485 HIGHWAY 411
WHITE, GA 30184

TITLE: SERIES "WOOD DOOR WITH TRANSOM" ELEVATIONS

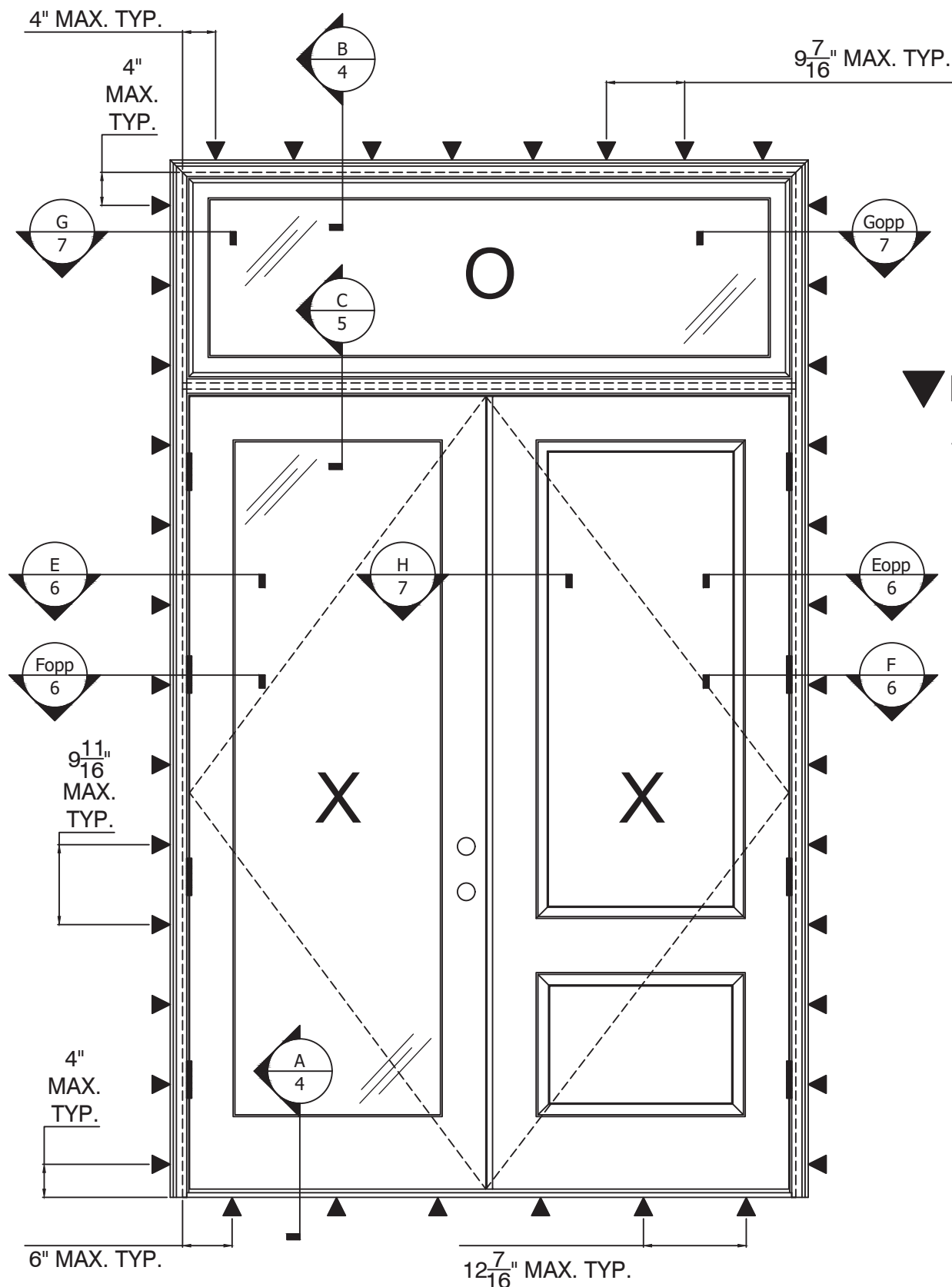
PREPARED BY: AMORUSO CONSULTING ENG., LLC
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226 N NOVA RD, NO. 142
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RIAENGPE@GMAIL.COM

DRAWN BY: RJA
SCALE: N.T.S.
REV: B

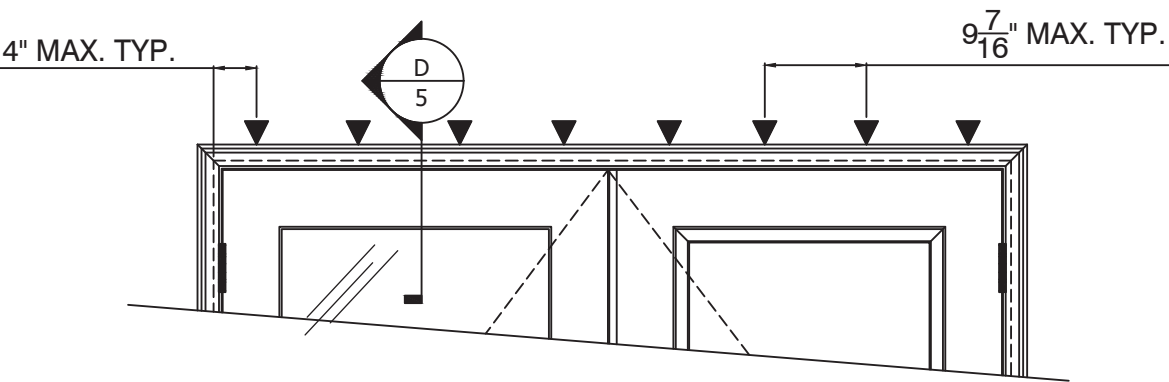
DATE: 6/19/2020
DRAWING NO: SAM0001
SHEET: 2 OF 10

Robert J. Amoruso, P.E.
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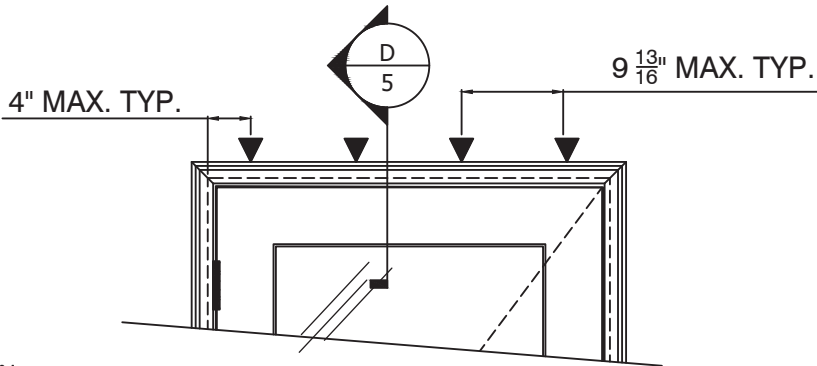
SIGNED/SEALED: 8/8/26



O/XX EXTERIOR VIEW



XX HEAD EXTERIOR VIEW



X HEAD EXTERIOR VIEW

INSTALLATION ANCHOR

ANCHORAGE INSTALLATION

- O/XX
 - 1.1. INSTALL INSTALLATION ANCHORAGE AT THE LOCATIONS SHOWN IN "O/XX EXTERIOR VIEW" ELEVATION. SEE SPACING REQUIREMENTS BELOW. SEE VERTICAL AND HORIZONTAL INSTALLATION ANCHORAGE SECTION VIEWS ON PAGES 4 THROUGH 7 FOR ADDITIONAL DETAILS.
 - 1.1.1. HEAD: 4" FROM ENDS AND 9-7/16" ON CENTER, +/-1" TOLERANCE.
 - 1.1.2. SILL: 6" FROM ENDS AND 12-7/16" ON CENTER, +/-1" TOLERANCE.
 - 1.1.3. JAMBS: 4" FROM ENDS AND 9-11/16" ON CENTER, +/-1" TOLERANCE.
- O/X
 - 2.1. INSTALL INSTALLATION ANCHORAGE SIMILARLY AT THE LOCATIONS SHOWN IN "O/XX EXTERIOR VIEW" ELEVATION EXCEPT THE HEAD AND SILL ANCHOR QUANTITIES WILL BE REDUCED. SEE SPACING REQUIREMENTS BELOW. SEE VERTICAL AND HORIZONTAL INSTALLATION ANCHORAGE SECTION VIEWS ON PAGES 4 THROUGH 7 FOR ADDITIONAL DETAILS.
 - 2.1.1. HEAD: 4" FROM ENDS AND 9-13/16" ON CENTER, +/-1" TOLERANCE.
 - 2.1.2. SILL: 6" FROM ENDS AND 12-13/16" ON CENTER, +/-1" TOLERANCE.
 - 2.1.3. JAMBS: 4" FROM ENDS AND 9-11/16" ON CENTER, +/-1" TOLERANCE.
- XX
 - 3.1. INSTALL INSTALLATION ANCHORAGE SIMILARLY AT THE LOCATIONS SHOWN IN "O/XX EXTERIOR VIEW" ELEVATION EXCEPT THE HEAD ANCHORAGE WILL BE AS SHOWN IN THE "XX HEAD EXTERIOR VIEW". SEE SPACING REQUIREMENTS BELOW. SEE VERTICAL AND HORIZONTAL INSTALLATION ANCHORAGE SECTION VIEWS ON PAGES 4 THROUGH 7 FOR ADDITIONAL DETAILS.
 - 3.1.1. HEAD: 4" FROM ENDS AND 9-7/16" ON CENTER, +/-1" TOLERANCE.
 - 3.1.2. SILL: 6" FROM ENDS AND 12-7/16" ON CENTER, +/-1" TOLERANCE.
 - 3.1.3. JAMBS: 4" FROM ENDS AND 9-1/8" ON CENTER, +/-1" TOLERANCE.
- X
 - 4.1. INSTALL INSTALLATION ANCHORAGE SIMILARLY AT THE LOCATIONS SHOWN IN "O/XX EXTERIOR VIEW" ELEVATION EXCEPT THE HEAD ANCHORAGE WILL BE AS SHOWN IN THE "X HEAD EXTERIOR VIEW". SEE SPACING REQUIREMENTS BELOW. SEE VERTICAL AND HORIZONTAL INSTALLATION ANCHORAGE SECTION VIEWS ON PAGES 4 THROUGH 7 FOR ADDITIONAL DETAILS.
 - 4.1.1. HEAD: 4" FROM ENDS AND 9-13/16" ON CENTER, +/-1" TOLERANCE.
 - 4.1.2. SILL: 6" FROM ENDS AND 12-13/16" ON CENTER, +/-1" TOLERANCE.
 - 4.1.3. JAMBS: 4" FROM ENDS AND 9-1/8" ON CENTER, +/-1" TOLERANCE.

SERIES " WOOD DOOR WITH TRANSOM"

THROUGH FRAME INSTALLATION ANCHOR LOCATIONS

(O/XX SHOWN, O/X, XX AND X ALSO APPROVED)

PROJECT NO. ACE-2025-144

SOUTHEAST ARCHITECTURAL MILLWORK, INC.

3485 HIGHWAY 411

WHITE, GA 30184

TITLE: SERIES "WOOD DOOR WITH TRANSOM" ANCHOR ELEVATIONS

PREPARED BY: AMORUSO CONSULTING ENG., LLC

FBPE REGISTRATION NO. 38327

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DRAWN BY: RJA

SCALE: N.T.S.

REV: B

SHEET: 3 OF 10

DATE: 6/19/2020

DRAWING NO: SAM0001

REV: B

SHEET: 3 OF 10

UPDATE TO THE 9TH EDITION (2026) FBC

UPDATE TO THE 8TH EDITION (2023) FBC

DESCRIPTION

REV

RJA

8/8/26

RJA

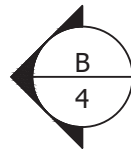
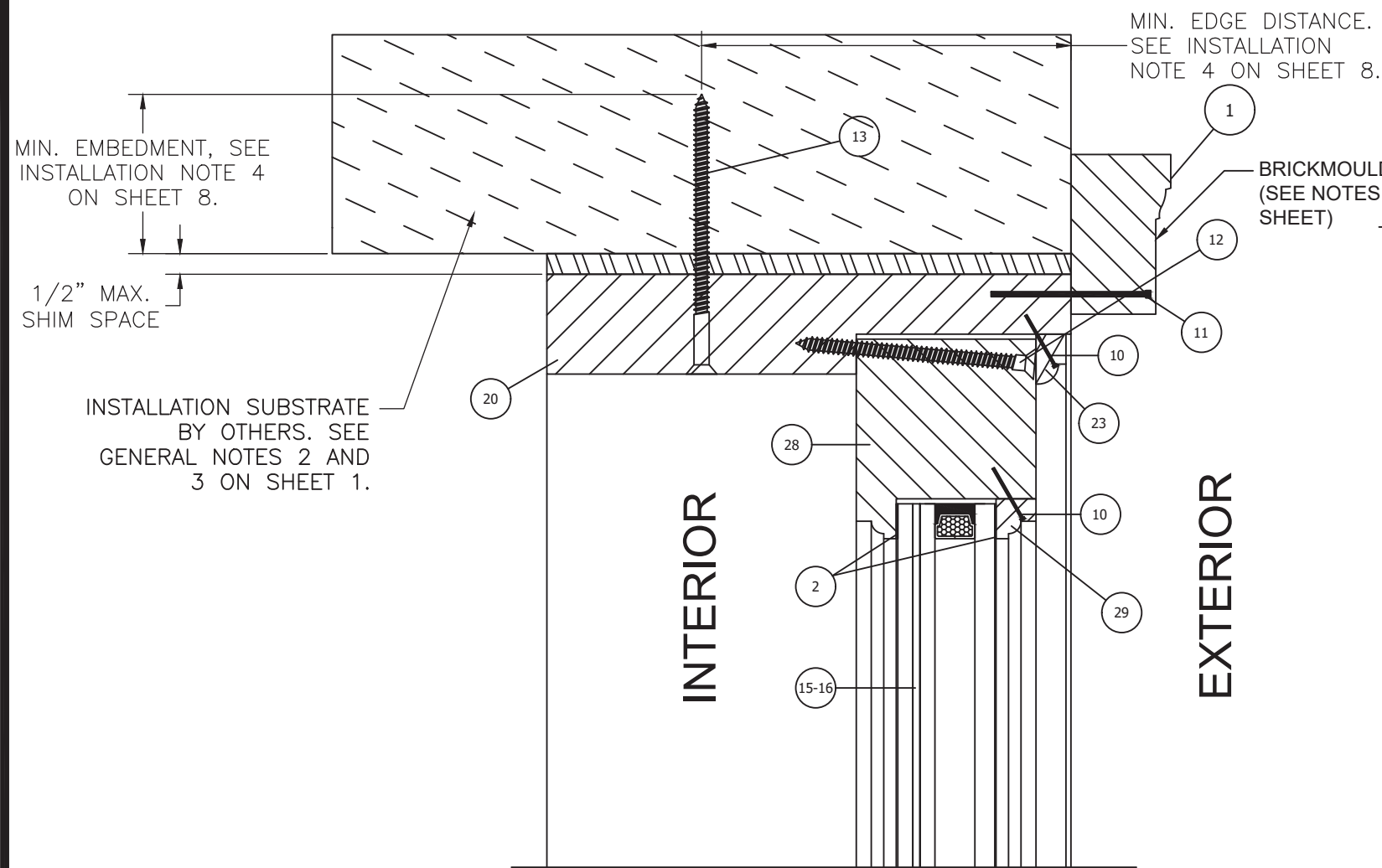
DATE

BY

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



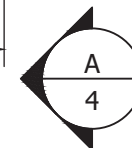
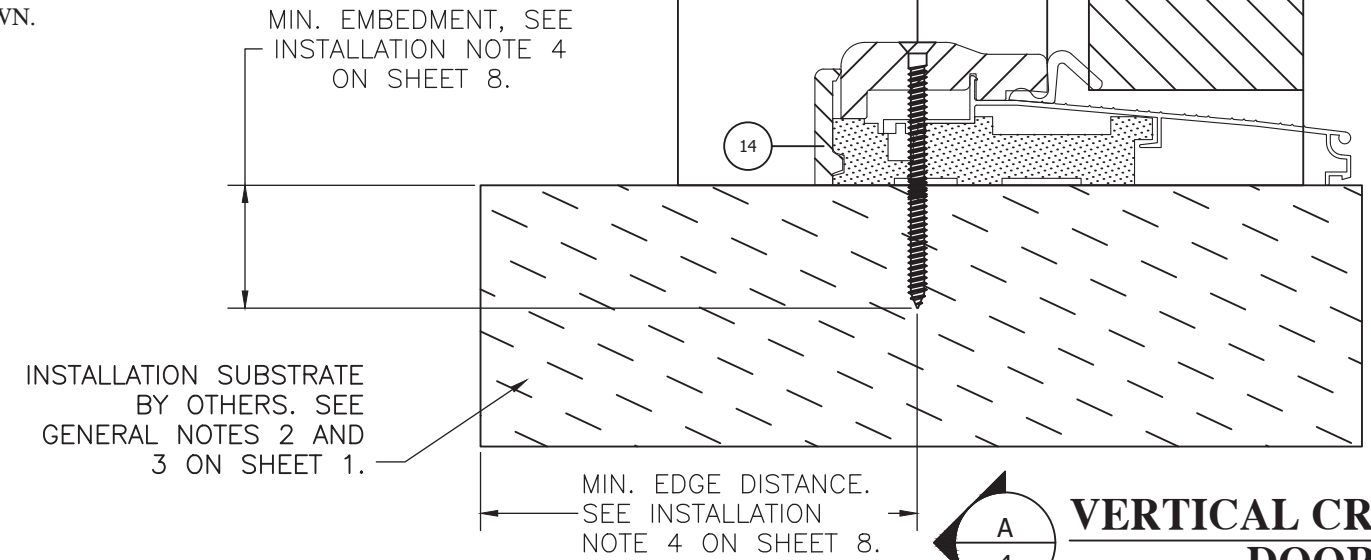
SIGNED/SEALED: 8/8/26



**VERTICAL CROSS SECTION
TRANSOM HEAD**
WOOD FRAMING, 2X WOOD BUCK OR
CONCRETE/MASONRY SUBSTRATES APPROVED.
GLAZED PANEL SHOWN.

NOTES:

1. ITEM NO. 1 BRICKMOULD INSTALLATION SHALL USE ITEM NO. 11, 2-1/2" 16-GAUGE FINISH NAIL WITH SPACING 2" FROM EDGES AND 12" ON CENTER.
2. ALL ADDITIONAL FASTENING INCLUDING THE USE OF SEALANTS SHALL BE AT THE DISCRETION OF THE INSTALLER OR AS RECOMMENDED BY THE DOOR MANUFACTURER.



**VERTICAL CROSS SECTION
DOOR SILL**
WOOD FRAMING, 2X WOOD BUCK OR
CONCRETE/MASONRY SUBSTRATES APPROVED.
GLAZED PANEL SHOWN.

PROJECT NO. ACE-2025-144		SOUTHEAST ARCHITECTURAL MILLWORK, INC. 3485 HIGHWAY 411 WHITE, GA 30184		DATE: 6/19/2020	
		TITLE: SERIES "WOOD DOOR WITH TRANSOM" VERTICAL SECTIONS A & B		DRAWN BY: RJA	
				SCALE: N.T.S.	
				REV: B	
				SHEET: 4 OF 10	
				PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM	
				DATE: 8/8/26	
				DESCRIPTION	
				BY	

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Florida P.E. No. 49752



SIGNED/SEALED: 8/8/26

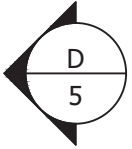
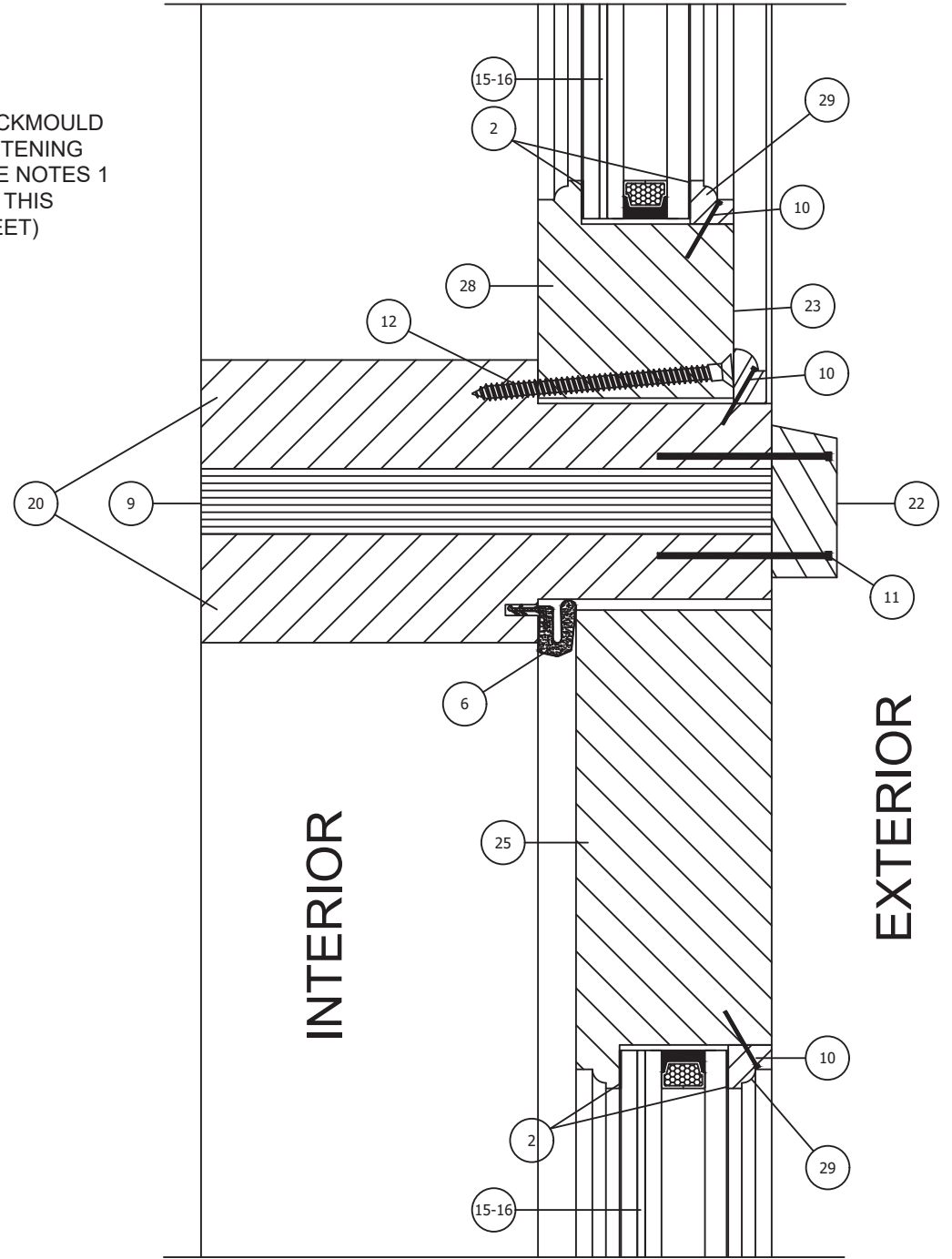
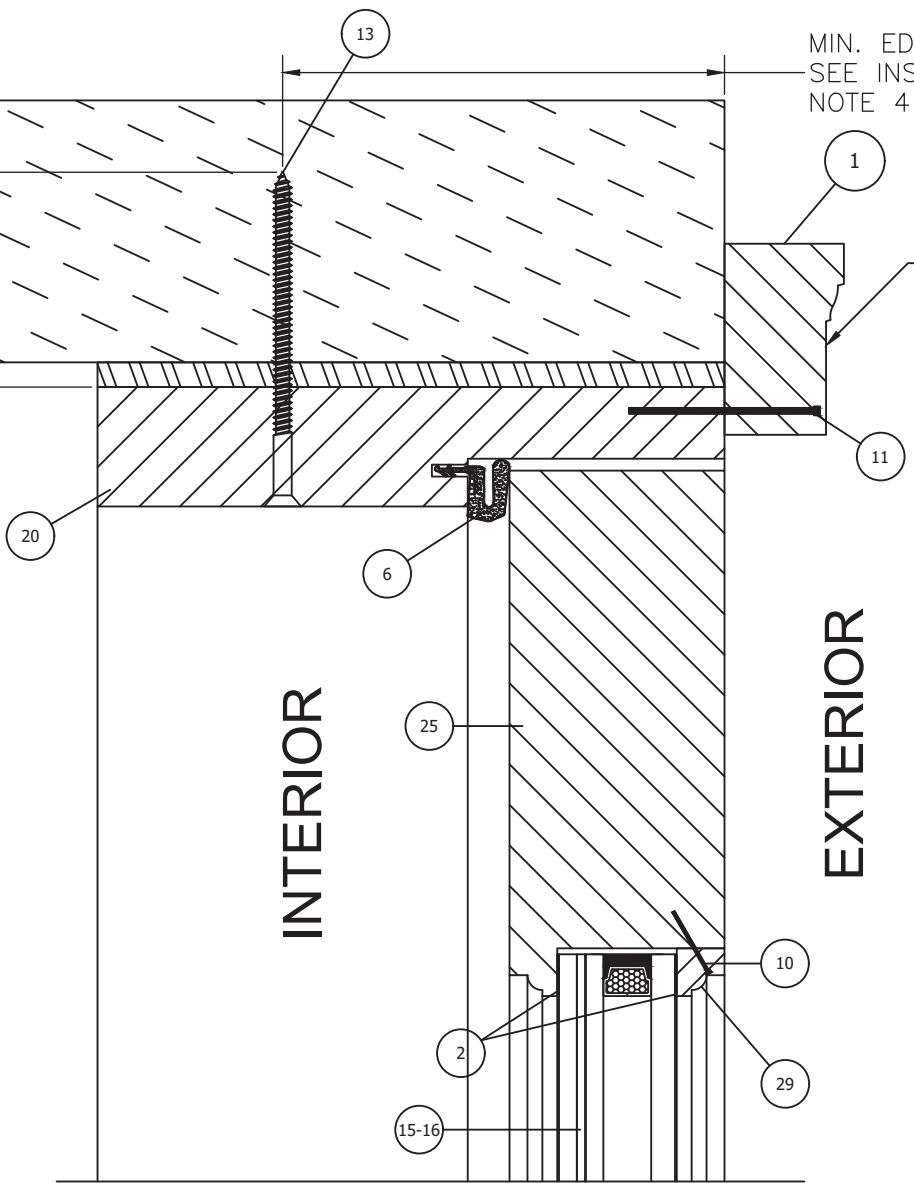
INSTALLATION SUBSTRATE
BY OTHERS. SEE
GENERAL NOTES 2 AND
3 ON SHEET 1.

MIN. EMBEDMENT, SEE
INSTALLATION NOTE 4
ON SHEET 8.

1/2" MAX.
SHIM SPACE

MIN. EDGE DISTANCE.
SEE INSTALLATION
NOTE 4 ON SHEET 8.

BRICKMOULD
FASTENING
(SEE NOTES 1
& 2, THIS
SHEET)

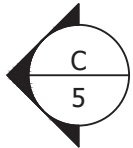


VERTICAL CROSS SECTION DOOR HEAD

WOOD FRAMING, 2X WOOD BUCK OR CONCRETE/MASONRY
SUBSTRATES APPROVED. GLAZED PANEL SHOWN.

NOTES:

- ITEM NO. 1 BRICKMOULD INSTALLATION SHALL USE
ITEM NO. 11, 2-1/2" 16-GAUGE FINISH NAIL WITH
SPACING 2" FROM EDGES AND 12" ON CENTER.
- ALL ADDITIONAL FASTENING INCLUDING THE USE
OF SEALANTS SHALL BE AT THE DISCRETION OF
THE INSTALLER OR AS RECOMMENDED BY THE
DOOR MANUFACTURER.



VERTICAL CROSS SECTION TRANSOM SILL TO DOOR HEAD

WOOD FRAMING, 2X WOOD BUCK OR CONCRETE/MASONRY
SUBSTRATES APPROVED. GLAZED PANEL SHOWN.

PROJECT NO. ACE-2025-144

SOUTHEAST ARCHITECTURAL MILLWORK, INC.

3485 HIGHWAY 411
WHITE, GA 30184

TITLE: SERIES "WOOD DOOR WITH TRANSOM"
VERTICAL SECTIONS C & D

PREPARED BY:
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DRAWN BY:
RJA

SCALE:
N.T.S.

REV:
B

DATE:
6/19/2020

DRAWING NO:
SAM0001

SHEET:
5 OF 10

UPDATE TO THE 9TH
EDITION (2026) FBC

UPDATE TO THE 8TH
EDITION (2023) FBC

DESCRIPTION

RJA

RJA

BY

8/8/26

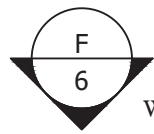
6/20/23

DATE

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

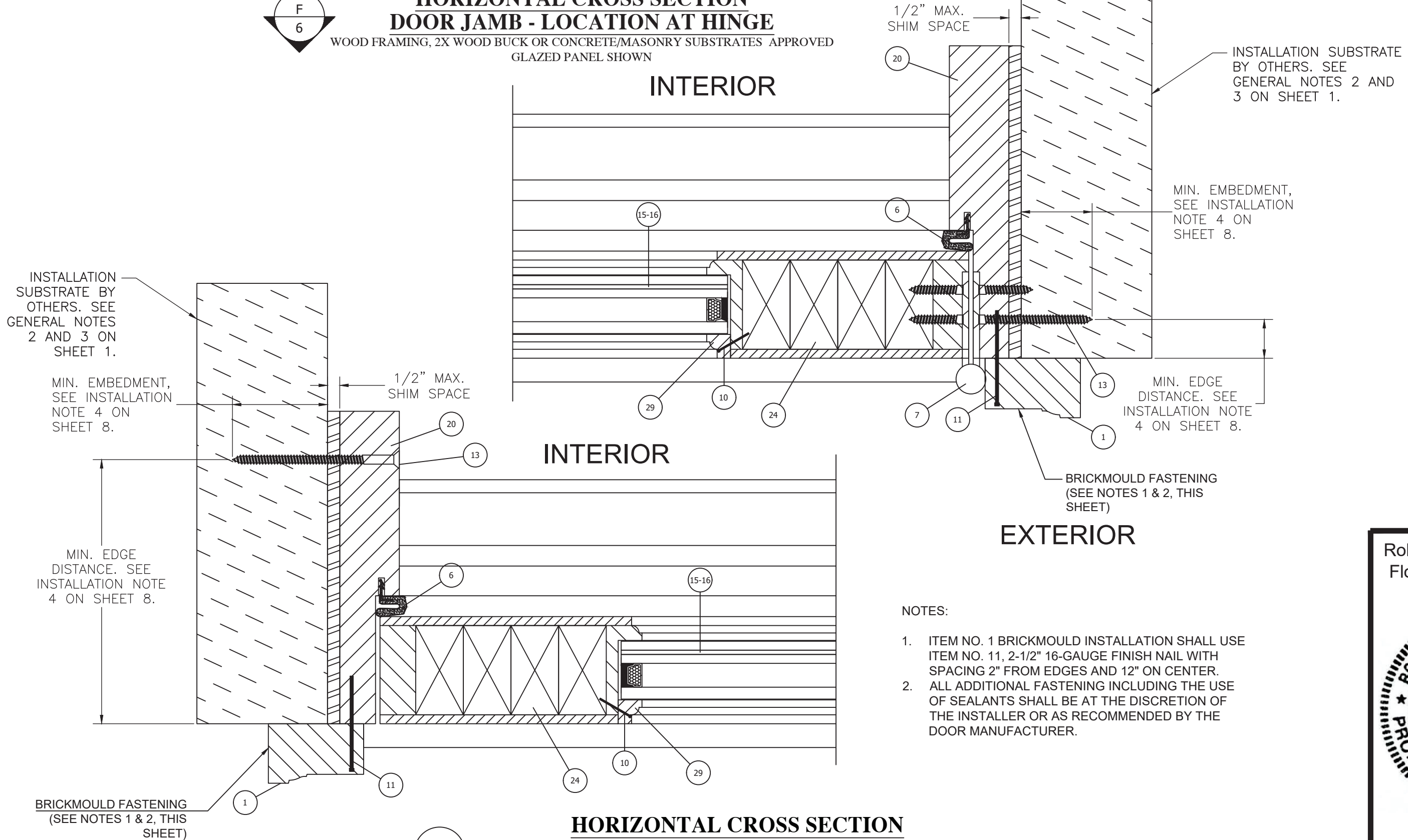


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HORIZONTAL CROSS SECTION DOOR JAMB - LOCATION AT HINGE

WOOD FRAMING, 2X WOOD BUCK OR CONCRETE/MASONRY SUBSTRATES APPROVED
GLAZED PANEL SHOWN



HORIZONTAL CROSS SECTION DOOR JAMB - LOCATION AWAY FROM HINGE

WOOD FRAMING, 2X WOOD BUCK OR CONCRETE/MASONRY SUBSTRATES APPROVED.
GLAZED PANEL SHOWN.



EXTERIOR

NOTES:

- ITEM NO. 1 BRICKMOULD INSTALLATION SHALL USE ITEM NO. 11, 2-1/2" 16-GAUGE FINISH NAIL WITH SPACING 2" FROM EDGES AND 12" ON CENTER.
- ALL ADDITIONAL FASTENING INCLUDING THE USE OF SEALANTS SHALL BE AT THE DISCRETION OF THE INSTALLER OR AS RECOMMENDED BY THE DOOR MANUFACTURER.

PROJECT NO. ACE-2025-144

REV	DESCRIPTION	DATE	BY
B	UPDATE TO THE 9TH EDITION (2026) FBC	8/8/26	RJA
A	UPDATE TO THE 8TH EDITION (2023) FBC	6/20/23	RJA

SOUTHEAST ARCHITECTURAL MILLWORK, INC.

3485 HIGHWAY 411
WHITE, GA 30184

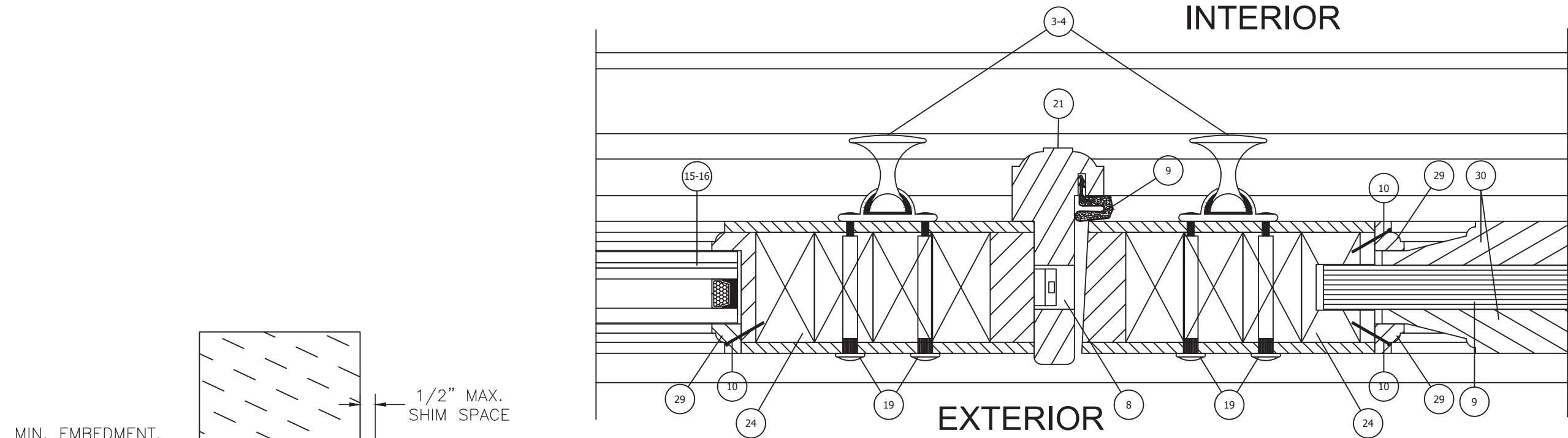
TITLE: SERIES "WOOD DOOR WITH TRANSLUM"
HORIZONTAL SECTIONS E & F

DRAWN BY:	RJA	DATE:	6/19/2020
PREPARED BY:	AMORUSO CONSULTING ENG., LLC	DRAWING NO.:	SAM0001
FBPE REGISTRATION NO.:	38327	SCALE:	N.T.S.
226 N NOVA RD, NO. 142		REV:	B
ORMOND BEACH, FL 32174		SHEET:	6 OF 10
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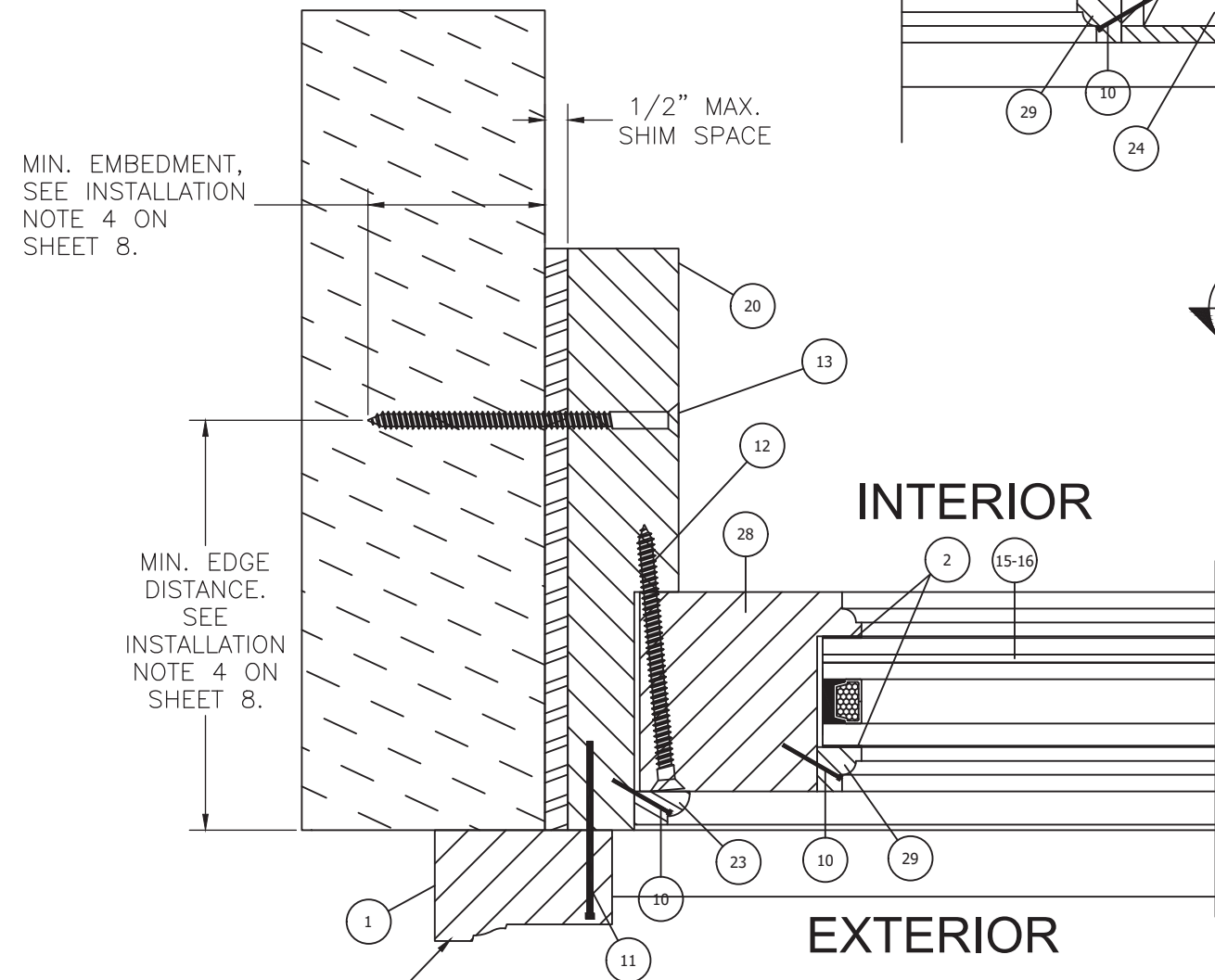


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**HORIZONTAL CROSS SECTION
ASTRAGAL**

WOOD FRAMING, 2X WOOD BUCK OR CONCRETE/MASONRY
SUBSTRATES APPROVED.
GLAZED & OPAQUE PANEL SHOWN.



**HORIZONTAL CROSS SECTION
TRANSOM**

WOOD FRAMING, 2X WOOD BUCK OR CONCRETE/MASONRY
SUBSTRATES APPROVED. GLAZED PANEL SHOWN.



- NOTES:
- ITEM NO. 1 BRICKMOULD INSTALLATION SHALL USE ITEM NO. 11, 2-1/2" 16-GAUGE FINISH NAIL WITH SPACING 2" FROM EDGES AND 12" ON CENTER.
 - ALL ADDITIONAL FASTENING INCLUDING THE USE OF SEALANTS SHALL BE AT THE DISCRETION OF THE INSTALLER OR AS RECOMMENDED BY THE DOOR MANUFACTURER.

BRICKMOULD FASTENING
(SEE NOTES 1 & 2, THIS SHEET)

MIN. EMBEDMENT,
SEE INSTALLATION
NOTE 4 ON
SHEET 8.

MIN. EDGE
DISTANCE.
SEE
INSTALLATION
NOTE 4 ON
SHEET 8.

1/2" MAX.
SHIM SPACE

PROJECT NO. ACE-2025-144					
SOUTHEAST ARCHITECTURAL MILLWORK, INC. 3485 HIGHWAY 411 WHITE, GA 30184		DRAWN BY: RJA		DATE: 6/19/2020	
		SCALE: N.T.S.		DRAWING NO: SAM0001	
		REV: B		SHEET: 7 OF 10	
TITLE: SERIES "WOOD DOOR WITH TRANSOM" HORIZONTAL SECTIONS G & H		PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM		DESCRIPTION	BY
		UPDATE TO THE 9TH EDITION (2026) FBC		8/8/26	RJA
		UPDATE TO THE 8TH EDITION (2023) FBC		6/20/23	RJA
				DATE	BY

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



SIGNED/SEALED: 8/8/26

INSTALLATION NOTES:

1. ONE INSTALLATION ANCHOR SHALL BE USED AT EACH ANCHOR LOCATION SHOWN IN ELEVATIONS ON SHEET 3.
2. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2".
3. ANCHOR QUANTITIES AND SPACING / EMBEDMENT AND EDGE DISTANCE

3.1. THE NUMBER OF INSTALLATION ANCHORS IS BASED ON THE MAXIMUM END DISTANCE (ED) AND THE MAXIMUM ON CENTER (O.C.) SPACING PLACEMENT OF ANCHORS IN ACCORDANCE WITH ELEVATIONS ON SHEET 3.

3.2. END DISTANCES AND O.C. SPACING LESS THAN THAT SHOWN IN THE ELEVATION ON SHEET 3 ARE ACCEPTABLE.

3.3. FOR ASSEMBLY SIZES SMALLER THAN THOSE SHOWN, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING EDGE DISTANCE AND O.C. SPACING REQUIREMENTS.

3.4. ANCHOR QUANTITIES AND SPACING SHOWN ARE BASED ON THE LOWER OF ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.
4. SUBSTRATE ANCHORING REQUIREMENTS

4.1. SEE INSTALLATION ANCHORAGE TABLE BELOW.

4.2. INSTALLATION ANCHORAGE OF GREATER SIZE (LARGER DIAMETER) ARE ACCEPTABLE AS LONG AS THE FASTENER TYPE REMAINS THE SAME. MINIMUM EDGE DISTANCE AND MINIMUM EMBEDMENT REQUIREMENTS FOR LARGER DIAMETER ANCHORAGE FASTENERS SHALL BE ADHERED TO.

4.3. INSTALLATION ANCHOR LOCATION IN SECTION VIEWS ON SHEETS 5 THROUGH 10 CAN BE VARIED AS REQUIRED TO ACCOMMODATE INSTALLATION SPECIFIC REQUIREMENTS.

4.3.1. ANCHORS AT OPERABLE DOOR PANELS ARE SHOWN IN THE FRAME JAMB RABBET. IT IS ACCEPTABLE TO LOCATE THE ANCHOR IN THE FRAME JAMB AT ITS THICKER CROSS-SECTION.

4.3.2. ANCHORS AT FIXED PANELS ARE SHOWN IN THE FRAME JAMB RABBET. IT IS ACCEPTABLE TO LOCATE THE ANCHOR IN THE FRAME JAMB AT ITS THICKER CROSS-SECTION.

4.3.3. THRESHOLD ANCHORS AS WELL CAN BE RELOCATED FROM THAT SHOWN TO ACCOMMODATE INSTALLATION SPECIFIC REQUIREMENTS
5. ALL FASTENERS TO BE CORROSION RESISTANT, AND/OR HAVE A CORROSION RESISTANT COATING, OR WHEN EXPOSED TO SALTWATER ENVIRONMENTS WITHIN 3,000 FEET OF A SALTWATER COASTLINE MEET THE REQUIREMENTS OF SECTION 1711, 9TH EDITION (2026) FBC AND SECTION R332, 9TH EDITION (2026) FRC WHEN APPLICABLE.
6. INTERIOR AND EXTERIOR FINISHES BY OTHERS. NOT SHOWN FOR CLARITY.
7. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED AND/OR SPECIFIED IN ACCORDANCE WITH ASTM E2112 OR AS PROVIDED/RECOMMENDED BY THE MANUFACTURER.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:

8.1. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42

8.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI

8.3. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT WITH DENSITY > 117 PCF
9. APPROVED PANELS

9.1. SEE ELEVATIONS ON SHEET 2 FOR MAXIMUM PANEL AND TRANSOM SIZES AND DAYLIGHT OPENING SIZES

9.2. FULLY GLAZED PANEL (AS TESTED SHOWN ON SHEET 2 ELEVATIONS)

9.3. RAISED OPAQUE PANEL WITH ONE RAIL (AS TESTED SHOWN ON SHEET 2 ELEVATIONS)

9.4. FULLY OPAQUE PANEL OR RAISED OPAQUE PANEL WITH MULTIPLE RAILS (ENVELOPED BY TESTING)

9.5. VARIABLE SIZES OF PARTIALLY GLAZED/PARTIALLY RAISED OPAQUE PANEL (ENVELOPED BY TESTING BUT CANNOT EXCEED MAXIMUM DLO FOR FULLY GLAZED PANEL SHOWN ON SHEET 2)

ITEM NO. 13 INSTALLATION ANCHORAGE REQUIREMENTS						
FASTENER SIZE	FRAME COMPONENT	SUBSTRATE	FASTENER TYPE	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	SUBSTRATE CAPACITY
3/16" DIAMETER	ALL	CONCRETE	ITW TAPCONS (1)	1.5	1.125	MIN. 2500 PSI CONCRETE
3/16" DIAMETER	ALL	MASONRY (CMU/BLOCK)	ITW TAPCONS (1)	1.0	2.0	ASTM C-90, MEDIUM WEIGHT
No. 8	TRANSOM HEAD (O/XX AND O/X)	2X WOOD	WOOD SCREW (ANSI B18.6.1) (2) OR TAPPING SCREW (ASME B18.6.4) (2)	1.25	0.75	SPECIFIC GRAVITY OF 0.42
NO. 9	JAMBS AND SILL (O/XX, O/X, XX, X) ----- HEAD (XX, X)	2X WOOD	WOOD SCREW (ANSI B18.6.1) (2) OR TAPPING SCREW (ASME B18.6.4) (2)	1.25	0.75	SPECIFIC GRAVITY OF 0.42
NOTES	(1) ITW TAPCONS USED FOR CONCRETE/MASONRY INSTALLATION SHALL BE ADVANCED THREADFORM TECHNOLOGY TYPE.					
	(2) GRADE 2 STRENGTH REQUIRED.					

FRAME COMPONENT FASTENER DETAILS		
PART #	DESCRIPTION	LOCATIONS
10	1" 18 GUAGE BRAD NAIL	ITEM NO. 29 GLASS STOP: HORIZONTAL 2" FROM EDGES AND 6" ON CENTER
10	1" 18 GUAGE BRAD NAIL	ITEM NO. 29 GLASS STOP: VERTICAL 2" FROM EDGES AND 10" ON CENTER
11	2-1/2" 16 GAUGE FINISH NAIL	ITEM NO. 1 BRICKMOULD & ITEM NO. 22 MULL COVER: 2" FROM EDGES AND 12" ON CENTER
12	#9 x 3" ZINC SCREW	2" FROM EDGES AND 10" ON CENTER

PROJECT NO. ACE-2025-144

SOUTHEAST ARCHITECTURAL MILLWORK, INC.
3485 HIGHWAY 411
WHITE, GA 30184

TITLE:
SERIES "WOOD DOOR WITH TRANSOM" INSTALLATION NOTES AND TABLE

DRAWN BY: RJA

DATE: 6/19/2020

PREPARED BY:
AMORUSO CONSULTING ENG., LLC
FBPE REGISTRATION NO. 38327
226 N NOVA RD, NO. 142
ORMOND BEACH, FL 32174
RIAENGPE@GMAIL.COM

SCALE: N.T.S.

DRAWING NO: SAM0001

SHEET: 8 OF 10

REV: B

DESCRIPTION

8/8/26

6/20/23

DATE

BY

8/8/26

6/20/23

DATE

BY

8/8/26

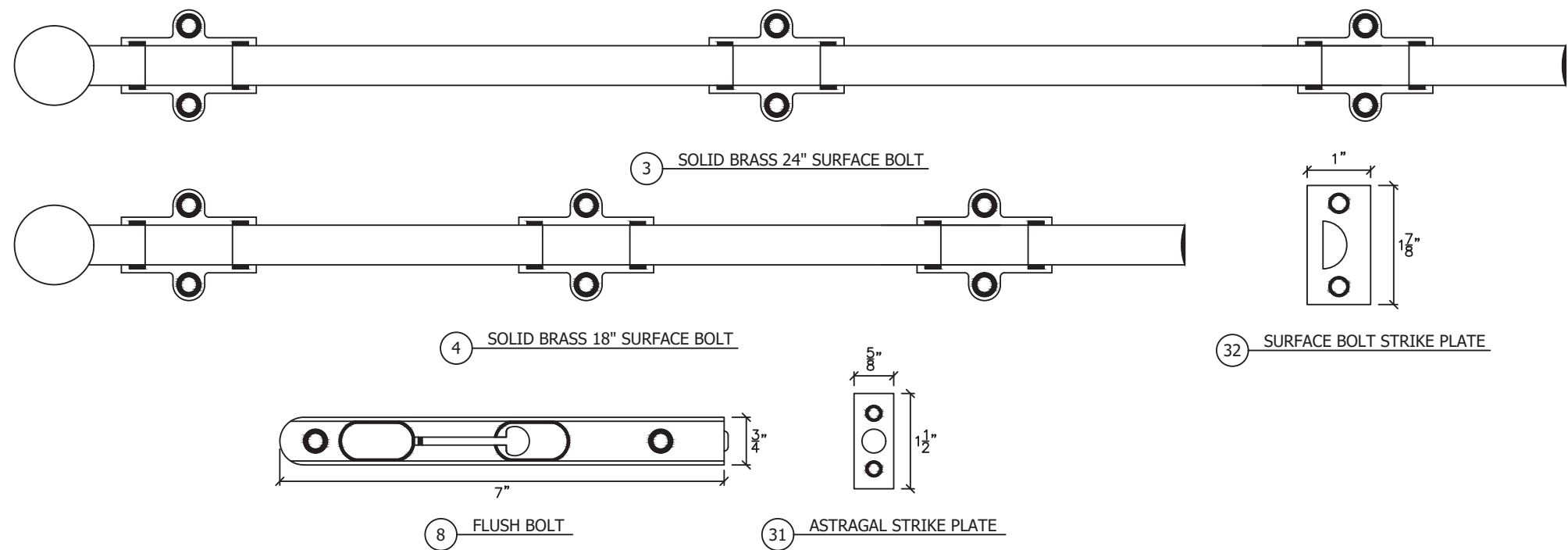
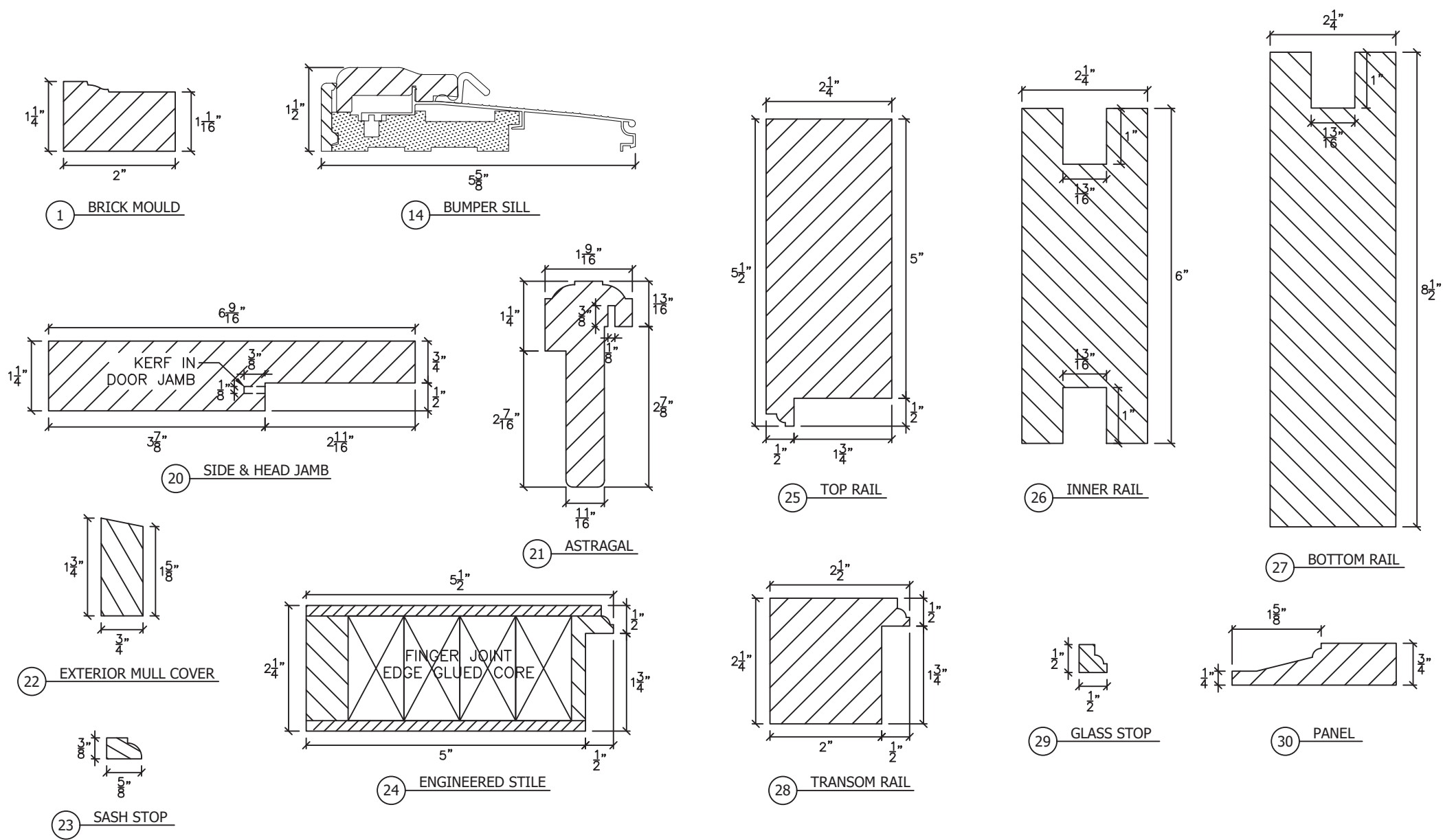
6/20/23

DATE

BY

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

SIGNED/SEALED: 8/8/26



PROJECT NO. ACE-2025-144				RJA	BY
				8/8/26	
		UPDATE TO THE 9TH EDITION (2026) FBC			
		UPDATE TO THE 8TH EDITION (2023) FBC			
		DESCRIPTION	REV	DATE	
SOUTHEAST ARCHITECTURAL MILLWORK, INC.		DATE:	6/19/2020		
3485 HIGHWAY 411		DRAWING NO:	SAM0001		
WHITE, GA 30184		SCALE:	N.T.S.		
TITLE: SERIES "WOOD DOOR WITH TRANSOM" COMPONENTS		SHEET:	9 OF 10		
DRAWN BY: RJA		REV:	B		
PREPARED BY: AMORUSO CONSULTING ENG., LLC					
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ORMOND BEACH, FL 32174					
RIAENGPE@GMAIL.COM					

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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL / MFG
1	1-1/4" x 2" 180 BRICK MOULD	WOOD SAPELE
2	TREMCO S500 (BLACK & CLEAR)	TREMCO
3	SOLID BRASS 24" SURFACE BOLT	DELTANA
4	SOLID BRASS 18" SURFACE BOLT	DELTANA
5	#10 X 2-1/2" SCREW	PHILADELPHIA HARDWARE
6	BRZ WEATHER STRIP W/ .650 REACH	LOXCREEN COMPANY
7	4.5" X 4.5" BALL BEARING SOLID BRASS HINGE	PBB,INC.
8	7" FLUSH BOLT	WORLDWIDE DOOR COMPONENTS
9	3/4" STRUCTURAL PLYWOOD	HARDWOODS, INC.
10	1" 18 GAUGE NAIL	FASTENING SOLUTIONS
11	2-1/2" 16 GAUGE NAIL	FASTENING SOLUTIONS
12	#9 X 3" ZINC SCREW	STERLING INDUSTRIAL
13	INSTALLATION ANCHOR - SEE TABLE ON SHEET 8	VARIOUS
14	1-3/8" x 5-5/8" BRZ BUMPER SILL	QUANEX HOMESHIELD
15	1-1/4" OA INSULATED W/ .100 HS LAM/ 1/4" TEMPERED W/ SAFEFLEX INNER LAYER	AGC FLAT GLASS
16	1-1/4" OA INSULATED W/ .100 HS LAM/ 1/4" TEMPERED W/ UVEKOL INNER LAYER	AMERICAN INSULATED
17	FRANKLIN TITE BOND 2 GLUE	FRANKLIN
18	FRANKLIN TITE BOND 3 GLUE	FRANKLIN
19	SOLID BRASS SEX BOLT W/ 2" BARREL, 1" SCREW	ACCURATE MANUFACTURING
20	1-1/4" x 6-9/16" W/ 2-11/16" RABBET	WOOD SAPELE
21	1-9/16" X 3-11/16" ASTRAGAL	WOOD SAPELE
22	3/4" X 1-1/2" EXT. MULL COVER	WOOD SAPELE
23	3/8" X 5/8" SASH STOP	WOOD SAPELE
24	2-1/4" X 5-1/2" ENGINEERED STILE	WOOD SAPELE W/ FJ CORE
25	2-1/4" X 5-1/2" TOP RAIL	WOOD SAPELE
26	2-1/4" X 7" INNER RAIL	WOOD SAPELE
27	2-1/4" X 9" BOTTOM RAIL	WOOD SAPELE
28	2-1/4" X 2-1/2" TRANSOM RAIL	WOOD SAPELE
29	1/2" X 1/2" GLASS STOP	WOOD SAPELE
30	13/16" THICK RAISED PANEL	WOOD SAPELE
31	ASTRAGAL STRIKE PLATE	ALUMINUM
32	SURFACE BOLT STRIKE PLATE	ALUMINUM
33	EMTEK HANDLE AND DEADBOLT SET	EMTEK

PROJECT NO. ACE-2025-144			RJA		BY
		8/8/26			
		UPDATE TO THE 9TH EDITION (2026) FBC		6/20/23	
		UPDATE TO THE 8TH EDITION (2023) FBC			
	B	A	REV	DESCRIPTION	DATE
SOUTHEAST ARCHITECTURAL MILLWORK, INC. 3485 HIGHWAY 411 WHITE, GA 30184		SERIES "WOOD DOOR WITH TRANSOM" BILL OF MATERIALS & COMPONENTS		DATE: 6/19/2020	10 OF 10
		DRAWN BY: RJA	SCALE: N.T.S.	DRAWING NO: SAM0001	
		PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM			

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