

SOUTHEAST ARCHITECTURAL MILLWORK, INC.

SERIES “WOOD DOOR WITH TRANSOMS/SIDELITES"

In-Swing Glazed Wood Side-Hinged Door w/Sidelites & Transoms

INSTALLATION ANCHORAGE DETAILS

GENEREAL NOTES:

1.

THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE CURRENT 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 TO THE FOLLOWING. HVHZ: TAS 201, TAS 202 & TAS 203. NON-HVHZ: ASTM E283-04/E330-02/E331-00 & ASTM E1886-05/E1996-05. SEE TEST REPORT NO. C7124.03-550-18 R1, DATED 04/27/20 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.

MATERIAL:

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 C

7.1.1.1.

EXTERIOR: 1/8" TEMPERED GLASS X 5/8" AIR SPACE X LAMI (3/16" HEAT-STRENGTHENED GLASS X 0.120" UVEKOL TYPE "S" LIQUID RESIN INTERLAYER X 3/16" HEAT-STRENGTHENED GLASS) :INTERIOR

7.1.1.1.1.

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

7.1.1.2.

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

7.2.

AS TESTED GLAZING MEETS ASTM E1300-12AE1 AND ASTM E1300-2016 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 OR APPROVED EQUAL.

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 | | | | |
| 98-1/2" X 125-1/2" | OOO/OXO | SHEET 2 | C | +/- 50 | LMI (HVHZ) | | | | |
| | | | | | WIND ZONE 4 MISSILE LEVEL D (NON-HVHZ) | | | | |
| THIS PRODUCT HAS NOT BEEN TESTED FOR WATER PENETRATION. IT SHALL ONLY BE USED IN AREAS WHERE WATER PENETRATION REQUIREMENTS DO NOT EXIST OR WHERE AN OVERHANG MEETING THE REQUIREMENTS OF SECTION 1709.5.2 OF THE FBC AND SECTION R609.3 OF THE FRC EXISTS. | | | | | | | | | |
| SEE SHEET 2 FOR FRAME, PANEL, SIDELITE, TRANSOM AND DAYLIGHT OPENING SIZES FOR OOO/OXO, OO/OX & OO/XO, O/X, OXO, OX & XO AND X CONFIGURATIONS. | | | | | | | | | |
- | TABLE OF CONTENTS | |
|-------------------|---|
| SHEET | SHEET DESCRIPTION |
| 1 | GENERAL NOTES, PERFORMANCE RATING TABLE & TABLE OF CONTENTS |
| 2 | ELEVATIONS |
| 3 & 4 | ANCHOR ELEVATIONS |
| 5 | VERTICAL SECTIONS A & B |
| 6 | VERTICAL SECTIONS C & D |
| 7 | HORIZONTAL SECTIONS E & F |
| 8 | HORIZONTAL SECTION G & VERTICAL SECTION H |
| 9 | HORIZONTAL SECTIONS J & K |
| 10 | VERTICAL SECTIONS L & M |
| 11 | INSTALLATION NOTES AND TABLE |
| 12 | COMPONENTS |
| 13 | BILL OF MATERIALS |
- PROJECT # 423-0104

SOUTHEAST ARCHITECTURAL MILLWORK, INC.

3485 HIGHWAY 411

WHITE, GA 30184

TITLE:

WOOD DOOR WITH TRANSOMS/SIDELITES

GENERAL NOTES, PERFORMANCE RATING TABLE & TABLE OF CONTENTS

PREPARED BY:

RJA

DATE:

6/19/2020

N.T.S.

SCALE:

A

REV:

RJA

DATE:

6/20/23

UPDATE TO THE 8TH EDITION (2023) FBC

DESCRIPTION

DATE

A

REV

PTC PRODUCT DESIGN GROUP, LLC

PO BOX 520775

LONGWOOD, FLORIDA 32752

Phone: 321.690.1788

Fax: 321.690.1789

Email: info@ptc-corp.com

FBPE C.A. NO. 23835

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

Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:45:35 -04'00'



**SERIES “ WOOD DOOR WITH
TRANSOMS/SIDELITES”**

(OOO/OXO SHOWN. OO/OX & OO/XO, O/X, OXO, OX & XO
AND X ALSO APPROVED)



INTERIOR VIEW

MAXIMUM SIZES						
	OOO/OXO	OO/OX & OO/XO	O/X	OXO	OX & XO	X
FRAME	96" X 124-1/8"	69-3/4" X 124-1/8"	43-1/2" X 124-1/8"	96" X 97-7/8"	69-3/4" X 97-7/8"	43-1/2" X 97-7/8"
PANEL	41-7/8" X 95-1/8"	41-7/8" X 95-1/8"	41-7/8" X 95-1/8"	41-7/8" X 95-1/8"	41-7/8" X 95-1/8"	41-7/8" X 95-1/8"
SIDELIGHT	23-7/8" X 95-1/8"	23-7/8" X 95-1/8"	N/A	23-7/8" X 95-1/8"	23-7/8" X 95-1/8"	N/A
CENTER TRANSOM (ABOVE DOOR)	41-7/8" X 23-7/8"	41-7/8" X 23-7/8"	41-7/8" X 23-7/8"	N/A	N/A	N/A
END TRANSOMS	23-7/8" X 23-7/8"	23-7/8" X 23-7/8"	N/A	N/A	N/A	N/A

A circular professional engineer seal for Robert James Amoroso. The outer ring contains the text "ROBERT JAMES AMOROSO" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. In the center, the license number "No 49752" is printed above a handwritten signature.

Digitally signed
by Robert J

Amoruso

Date: 2023.09.01

15:46:00 -04'00'

SOUTHEAST ARCHITECTURAL MILLWORK, INC.
2485 LUCIFWAY 444

3485 HIGHWAY 411
WHITE, GA 30184

TITLE:		WOOD DOOR WITH TRANSOMS/SIDELITES ELEVATIONS	
DATE:	DATE:	DATE:	DATE:

PREPARED BY:

BY:

DATE:

...

DRAWING

GNO:

A

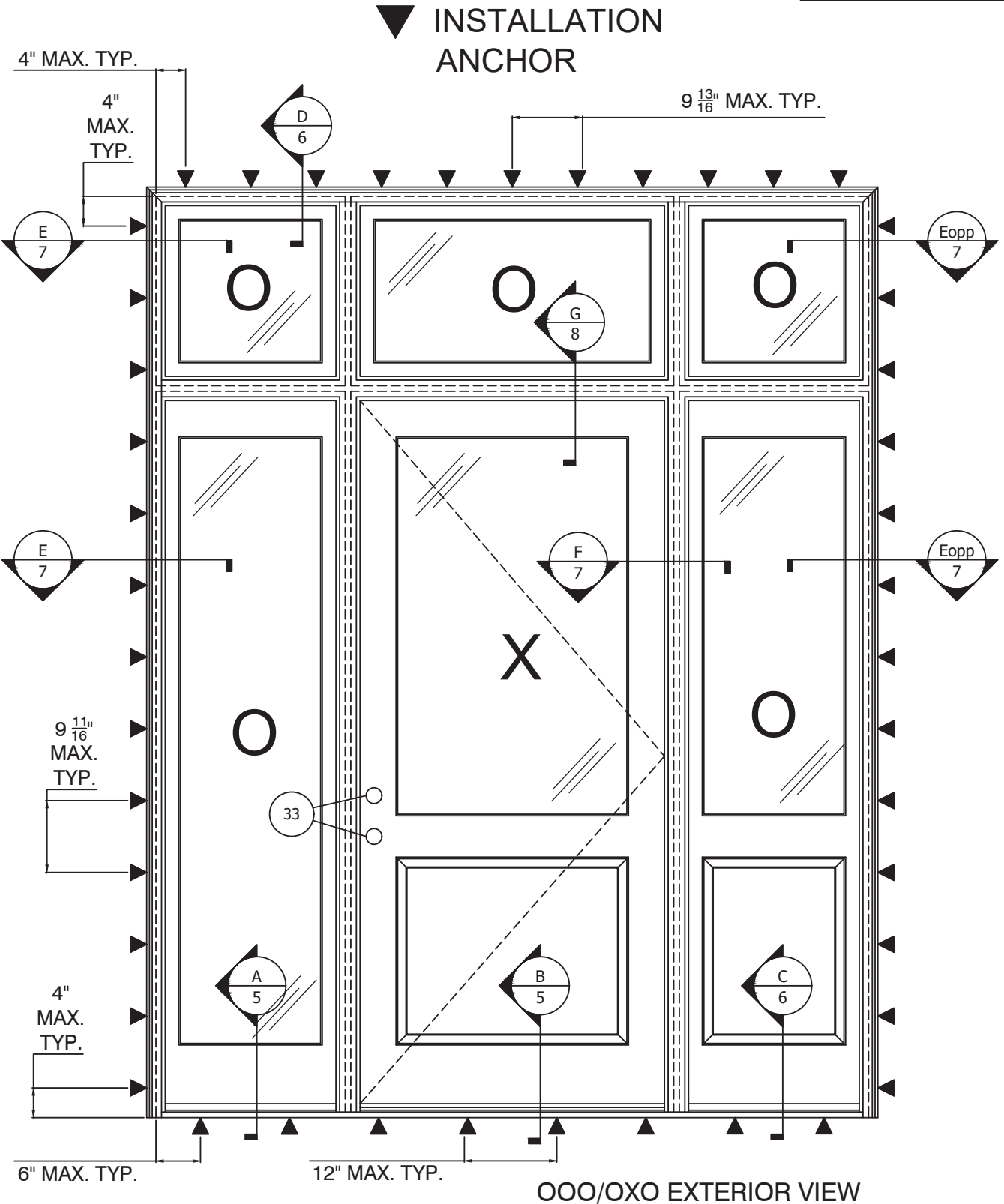
UPDATE TO THE 8

3.1A

PROJECT # 423-0104

3.1A

SEE INSTALLATION NOTE 9, SHEET
11 FOR APPROVED PANELS



OOO/OXO EXTERIOR VIEW

**SERIES “ WOOD DOOR WITH
TRANSOMS/SIDELITES”**
EXTERIOR VIEW
(OOO/OXO SHOWN)

ANCHORAGE INSTALLATION

1. OOO/OXO
 - 1.1. INSTALL INSTALLATION ANCHORAGE AT THE LOCATIONS SHOWN IN “OOO/OXO EXTERIOR VIEW” ELEVATION ON SHEET 2. SEE SPACING REQUIREMENTS BELOW. SEE VERTICAL AND HORIZONTAL INSTALLATION ANCHORAGE SECTION VIEWS ON PAGES 5 THROUGH 10 FOR ADDITIONAL DETAILS.
 - 1.1.1. HEAD: 4” FROM ENDS AND 9-13/16” ON CENTER, +/-1” TOLERANCE.
 - 1.1.2. SILL: 6” FROM ENDS AND 12” ON CENTER, +/-1” TOLERANCE.
 - 1.1.3. JAMBS: 4” FROM ENDS AND 9-11/16” ON CENTER, +/-1” TOLERANCE.
2. OO/OX OR OO/XO
 - 2.1. INSTALL INSTALLATION ANCHORAGE AT THE LOCATIONS SHOWN IN “OOO/OXO EXTERIOR VIEW” ELEVATION ON SHEET 2 EXCEPT THE HEAD AND SILL ANCHOR QUANTITIES WILL BE REDUCED. SEE SPACING REQUIREMENTS BELOW. SEE VERTICAL AND HORIZONTAL INSTALLATION ANCHORAGE SECTION VIEWS ON PAGES 5 THROUGH 10 FOR ADDITIONAL DETAILS.
 - 2.1.1. HEAD: 4” FROM ENDS AND 8-13/16” ON CENTER, +/-1” TOLERANCE.
 - 2.1.2. SILL: 6” FROM ENDS AND 11-5/8” ON CENTER, +/-1” TOLERANCE.
 - 2.1.3. JAMBS: 4” FROM ENDS AND 9-11/16” ON CENTER, +/-1” TOLERANCE.
3. O/X
 - 3.1. INSTALL INSTALLATION ANCHORAGE AT THE LOCATIONS SHOWN IN “OOO/OXO EXTERIOR VIEW” ELEVATION ON SHEET 2 EXCEPT THE HEAD AND SILL ANCHOR QUANTITIES WILL BE REDUCED. SEE SPACING REQUIREMENTS BELOW. SEE VERTICAL AND HORIZONTAL INSTALLATION ANCHORAGE SECTION VIEWS ON PAGES 5 THROUGH 10 FOR ADDITIONAL DETAILS.
 - 3.1.1. HEAD: 4” FROM ENDS AND 8-7/8” ON CENTER, +/-1” TOLERANCE.
 - 3.1.2. SILL: 6” FROM ENDS AND 10-1/2” ON CENTER, +/-1” TOLERANCE.
 - 3.1.3. JAMBS: 4” FROM ENDS AND 9-11/16” ON CENTER, +/-1” TOLERANCE.
4. OXO
 - 4.1. INSTALL INSTALLATION ANCHORAGE SIMILARLY AT THE LOCATIONS SHOWN IN “OOO/OXO EXTERIOR VIEW” ELEVATION EXCEPT THE HEAD ANCHORAGE WILL BE AS SHOWN IN THE HEAD “XO EXTERIOR VIEW” ON SHEET 4. SEE SPACING REQUIREMENTS BELOW. SEE VERTICAL AND HORIZONTAL INSTALLATION ANCHORAGE SECTION VIEWS ON PAGES 5 THROUGH 10 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” ON CENTER, +/-1” TOLERANCE.
 - 4.1.3. JAMBS: 4” FROM ENDS AND 10” ON CENTER, +/-1” TOLERANCE.
5. OX OR XO
 - 5.1. INSTALL INSTALLATION ANCHORAGE SIMILARLY AT THE LOCATIONS SHOWN IN “OX EXTERIOR VIEW” ELEVATION ON SHEET 4. SEE SPACING REQUIREMENTS BELOW. SEE VERTICAL AND HORIZONTAL INSTALLATION ANCHORAGE SECTION VIEWS ON PAGES 5 THROUGH 10 FOR ADDITIONAL DETAILS.
 - 5.1.1. HEAD: 4” FROM ENDS AND 8-13/16” ON CENTER, +/-1” TOLERANCE.
 - 5.1.2. SILL: 6” FROM ENDS AND 11-5/8” ON CENTER, +/-1” TOLERANCE.
 - 5.1.3. JAMBS: 4” FROM ENDS AND 10” ON CENTER, +/-1” TOLERANCE.
6. X
 - 6.1. INSTALL INSTALLATION ANCHORAGE SIMILARLY AT THE LOCATIONS SHOWN IN “X EXTERIOR VIEW” ELEVATION ON SHEET 4. SEE SPACING REQUIREMENTS BELOW. SEE VERTICAL AND HORIZONTAL INSTALLATION ANCHORAGE SECTION VIEWS ON PAGES 5 THROUGH 10 FOR ADDITIONAL DETAILS.
 - 6.1.1. HEAD: 4” FROM ENDS AND 8-7/8” ON CENTER, +/-1” TOLERANCE.
 - 6.1.2. SILL: 6” FROM ENDS AND 10-5/8” ON CENTER, +/-1” TOLERANCE.
 - 6.1.3. JAMBS: 4” FROM ENDS AND 10” ON CENTER, +/-1” TOLERANCE.

PROJECT # 423-0104

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

TITLE: WOOD DOOR WITH TRANSOMS/SIDELITES
ANCHOR ELEVATIONS

DRAWN BY: RJA

SCALE: N.T.S.

REV: A

DATE: 6/19/2020

DRAWING NO: SAM0003

SHEET: 3 OF 13

REV: A

DESCRIPTION

DATE

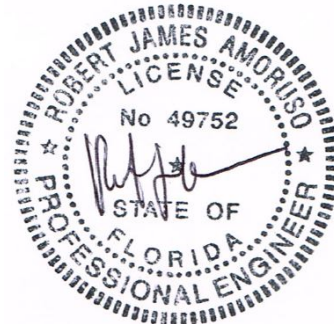
BY

6/20/23

RJA

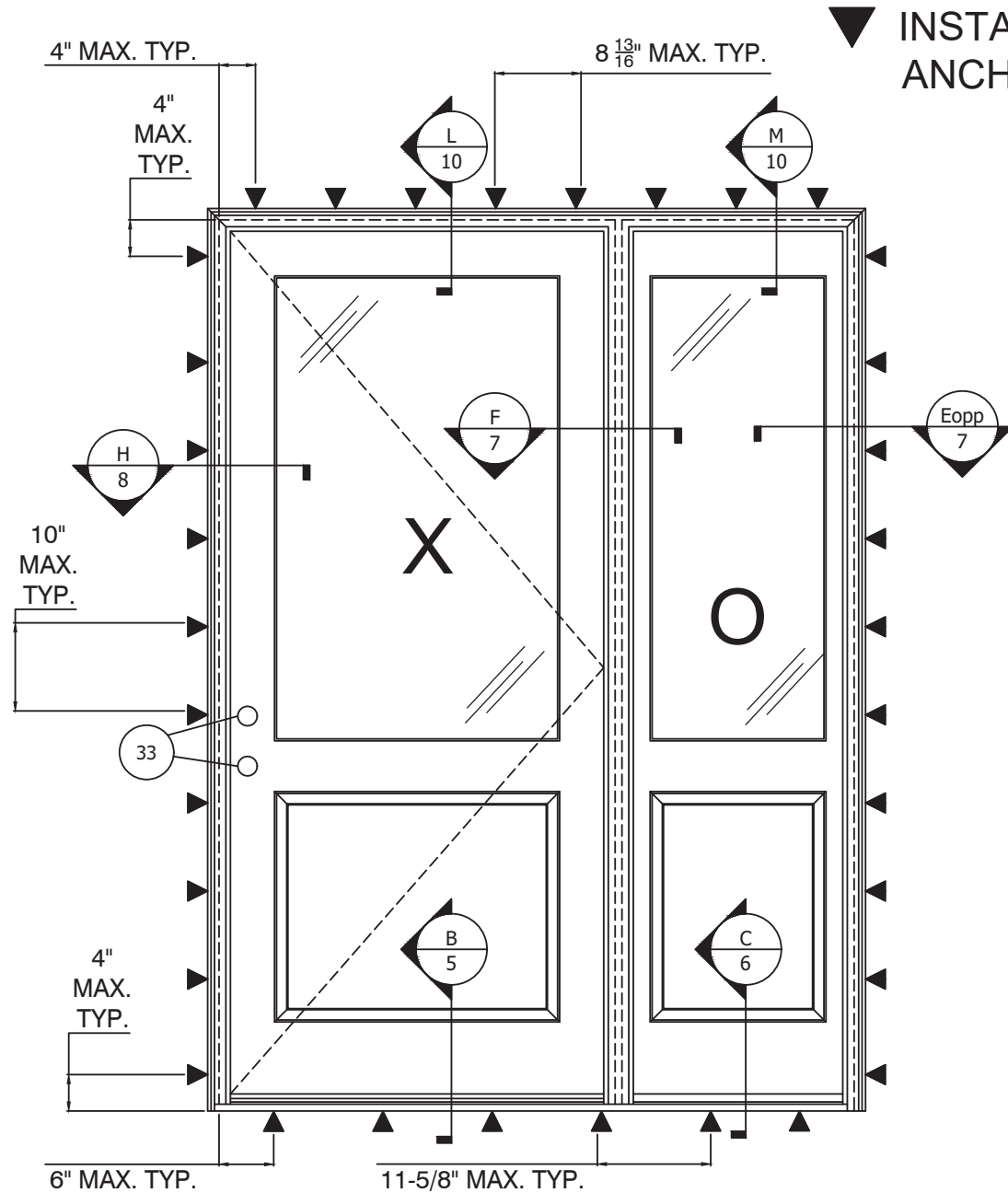
UPDATE TO THE 8TH EDITION (2023) FBC

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

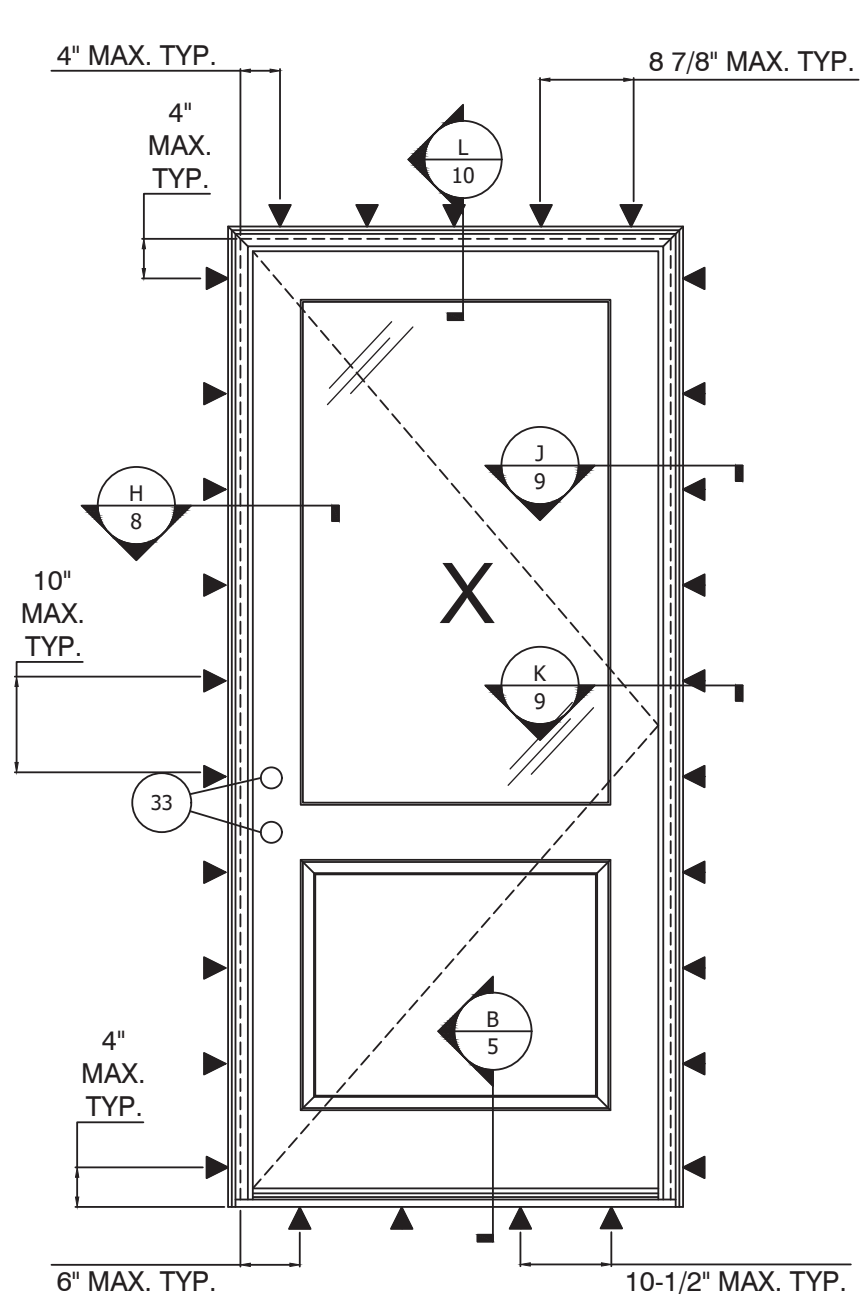


Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:46:12 -04'00'

SEE INSTALLATION NOTE 9, SHEET
11 FOR APPROVED PANELS

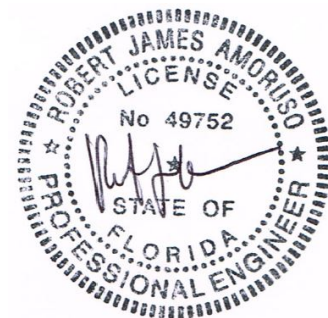


SERIES “ WOOD DOOR WITH SIDELITE”
EXTERIOR VIEW - XO SHOWN (OX APPROVED)



SERIES “ WOOD DOOR”
EXTERIOR VIEW - X SHOWN

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



Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:46:27 -04'00'

SOUTHEAST ARCHITECTURAL MILLWORK, INC.

3485 HIGHWAY 411

WHITE, GA 30184

WOOD DOOR WITH TRANSOMS/SIDELITES

ANCHOR ELEVATIONS

PREPARED BY: RJA

DATE: 6/19/2020

SCALE: N.T.S.

REV: A

SHEET: 4 OF 13

DRAWING NO: SAM0003

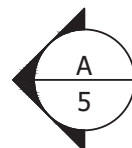
UPDATE TO THE 8TH
EDITION (2023) FBC

DESCRIPTION

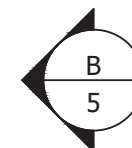
DATE

BY

PROJECT # 423-0104



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



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

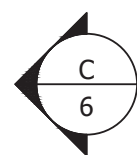
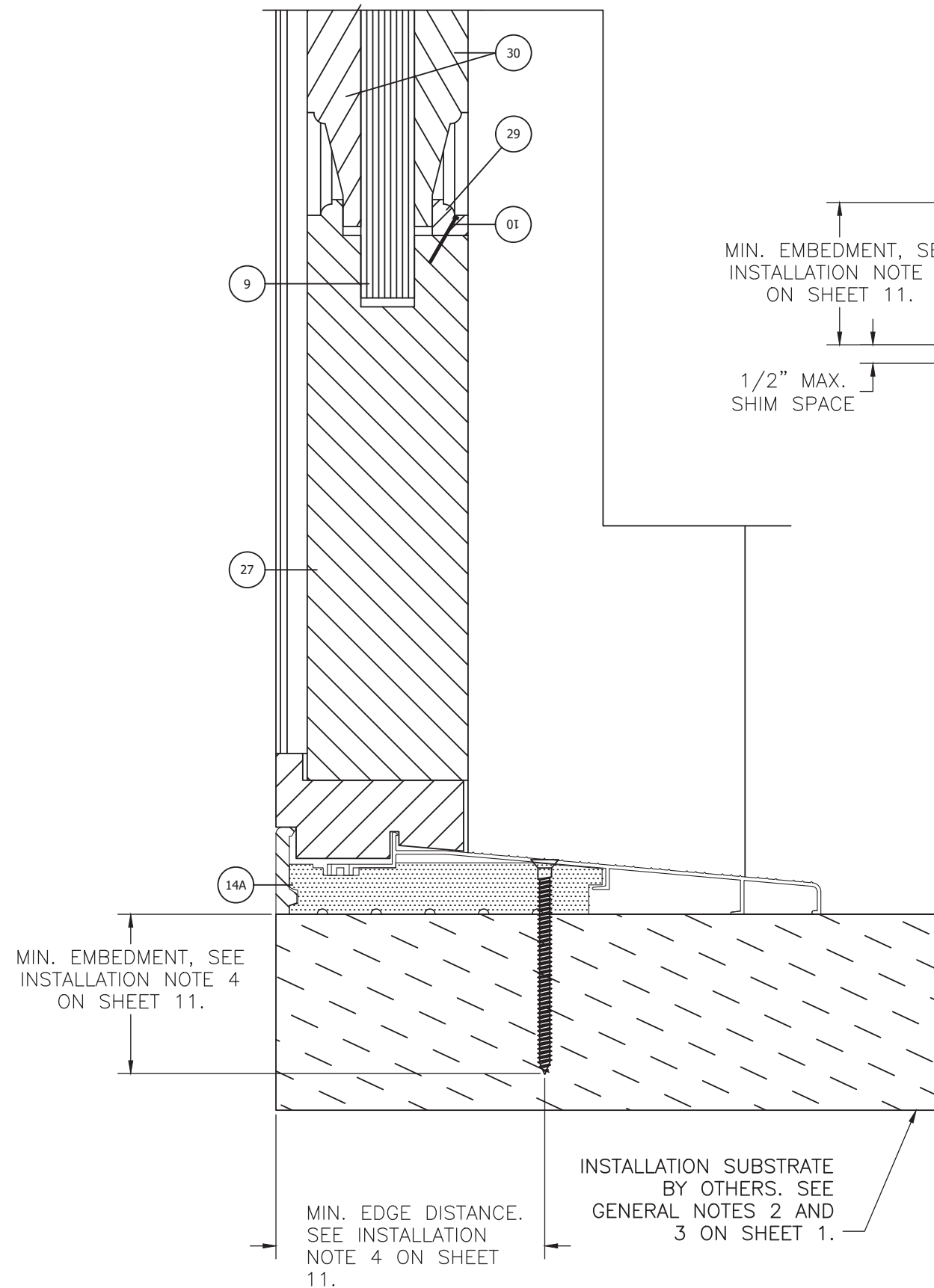
Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:46:41 -04'00'



PPTC PRODUCT DESIGN GROUP, LLC
 Phone: 321.690.1788
 Fax: 321.690.4790
 PO BOX 520775

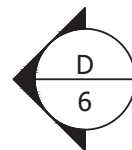
RJA	6/19/2020
SCALE: N.T.S.	DRAWING NO: SAM0003
REV: A	SHEET: 5 OF 13

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



**VERTICAL CROSS SECTION
SIDLITE SILL**

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

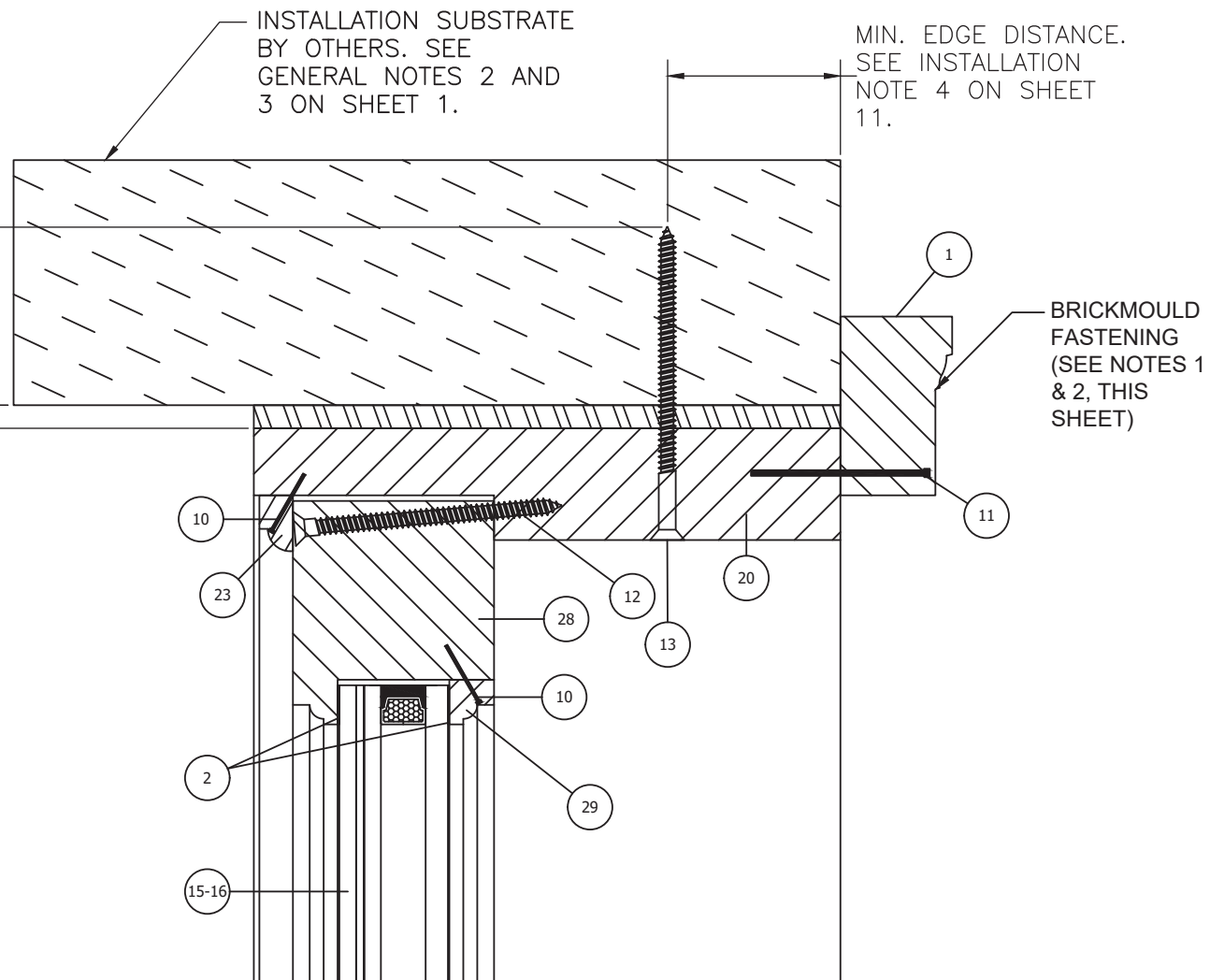


**VERTICAL CROSS SECTION
DOOR HEAD**

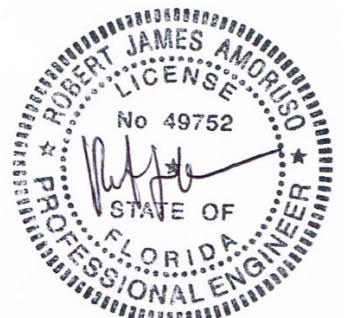
WOOD FRAMING, 2X WOOD BUCK OR CONCRETE/MASONRY
SUBSTRATES APPROVED. GLAZED PANEL SHOWN.

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.



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



Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:46:54 -04'00'

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

TITLE: WOOD DOOR WITH TRANSOMS/SIDELITES
VERTICAL SECTIONS C & D

PREPARED BY: PTC

PO BOX 520775 Phone: 321.690.1788

LONGWOOD, FLORIDA 32752 Fax: 321.690.1789

FBPE C.A. NO. 23935 Email: info@ptc-corp.com

DRAWN BY: RJA

SCALE: N.T.S.

REV: A

DATE: 6/19/2020

DRAWING NO: SAM0003

SHEET: 6 OF 13

PROJECT # 423-0104

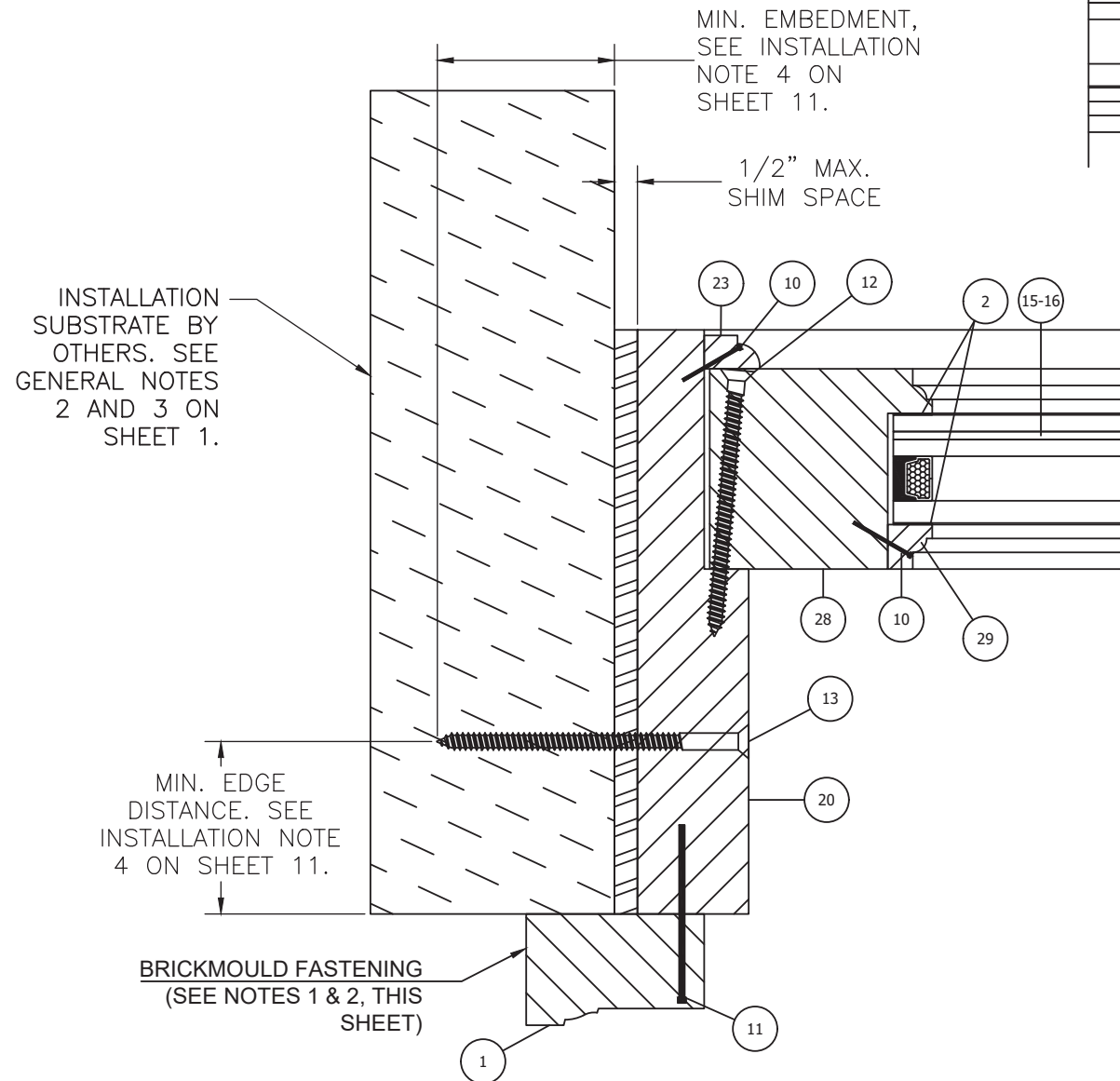
UPDATE TO THE 8TH EDITION (2023) FBC

REV A

DATE 6/20/23

BY RJA

DESCRIPTION



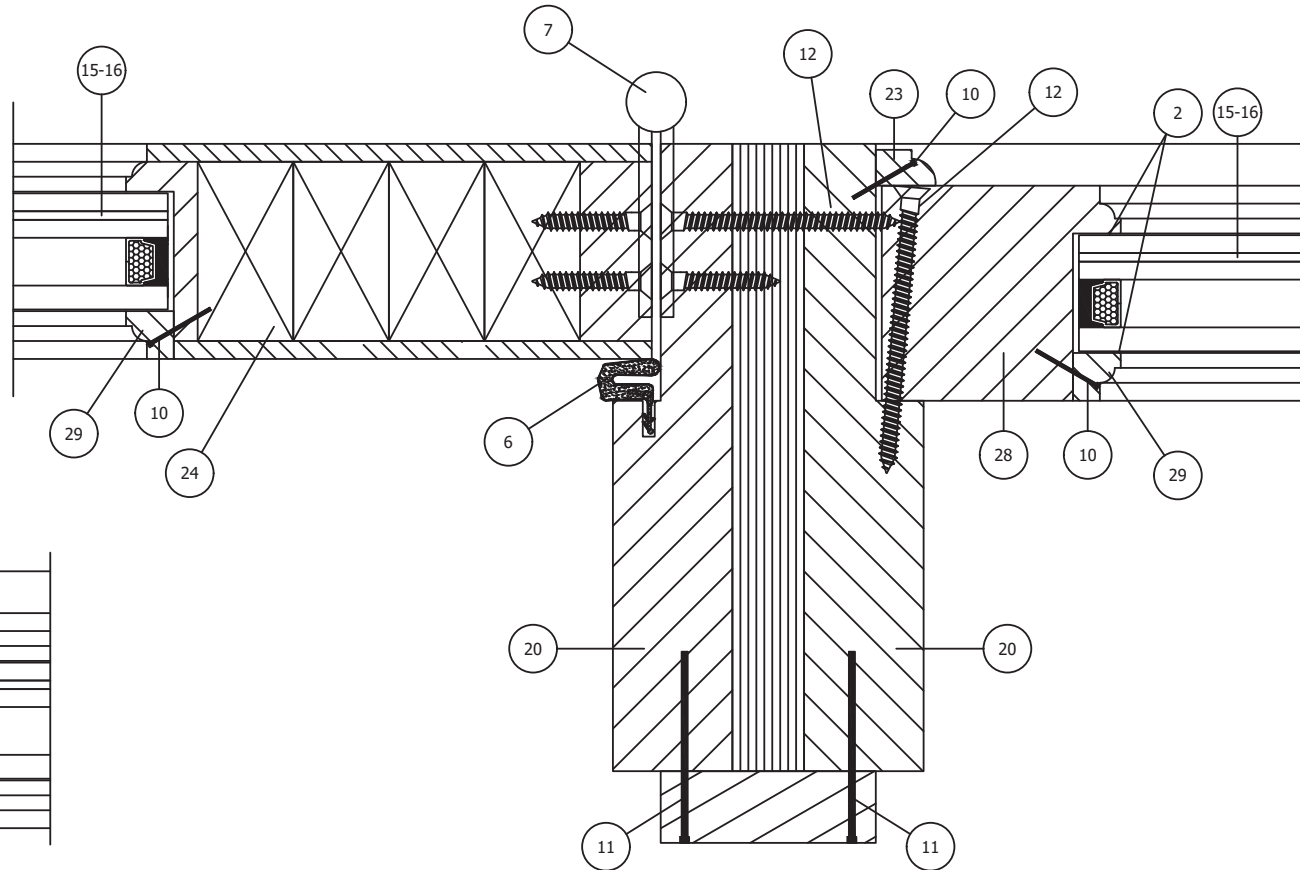
HORIZONTAL CROSS SECTION SIDELITE JAMB

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



HORIZONTAL CROSS SECTION DOOR JAMB - LOCATION AT HINGE

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.

PROJECT # 423-0104

SOUTHEAST ARCHITECTURAL MILLWORK, INC.

3485 HIGHWAY 411
WHITE, GA 30184

WOOD DOOR WITH TRANSOMS/SIDELITES
HORIZONTAL SECTIONS E & F

PREPARED BY: PTC

PTC PRODUCT DESIGN GROUP, LLC

PO BOX 520775

LONGWOOD, FLORIDA 32752

Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com
FBIE CA. NO. 23935

DRAWN BY: RJA

SCALE: N.T.S.

REV: A

DATE: 6/19/2020

DRAWING NO: SAM0003

SHEET: 7 OF 13

REV: A

DESCRIPTION

UPDATE TO THE 8TH EDITION (2023) FBC

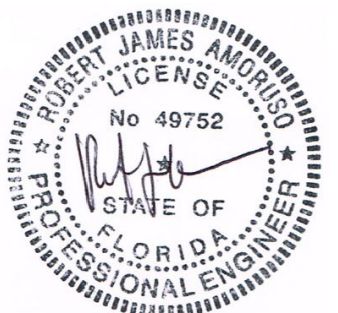
6/20/23

RJA

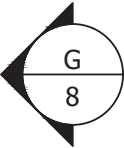
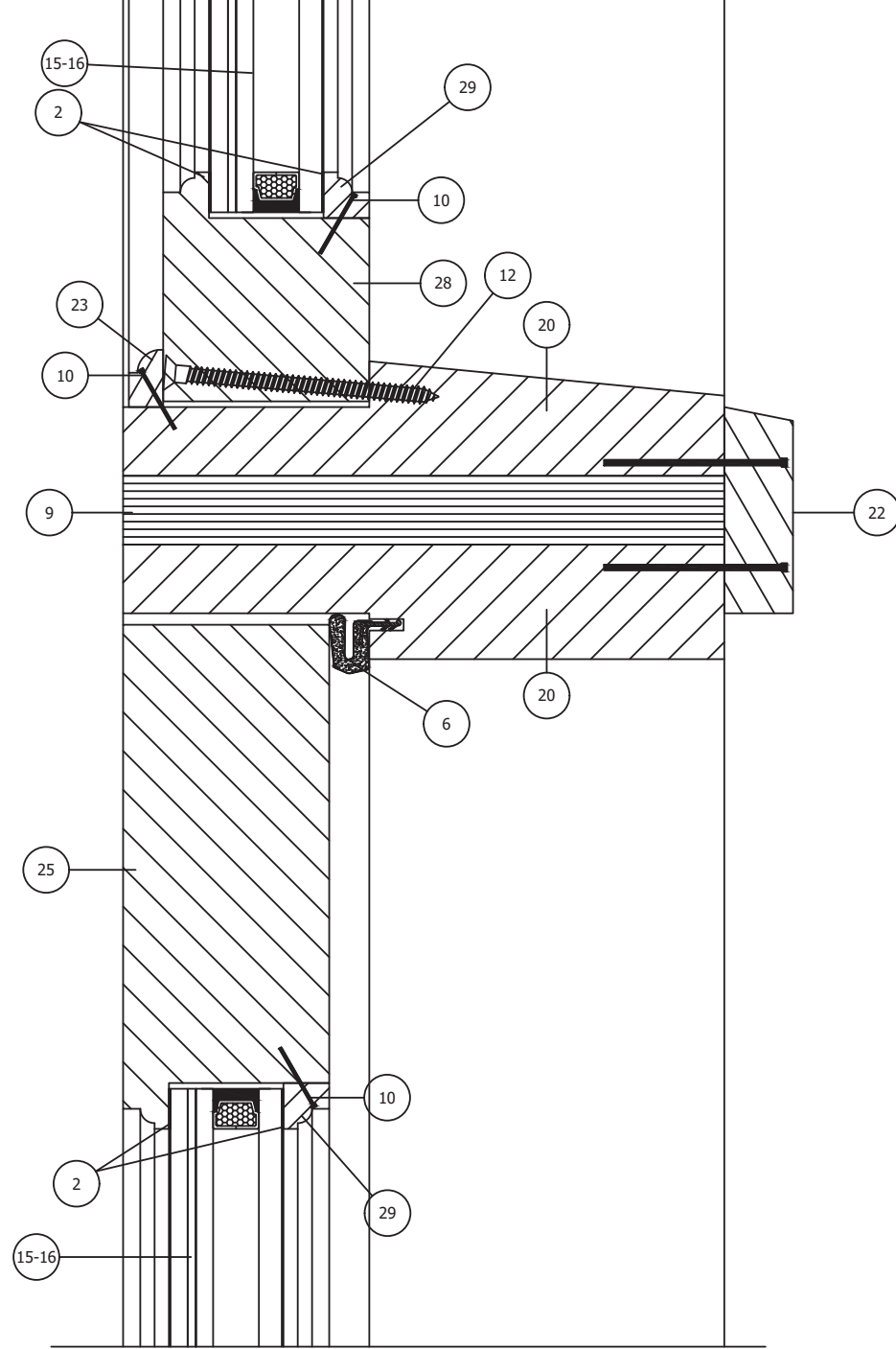
DATE

BY

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



Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:47:05 -04'00'



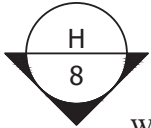
**VERTICAL CROSS SECTION
TRANSOM SILL TO DOOR HEAD**
WOOD FRAMING, 2X WOOD BUCK OR CONCRETE/MASONRY
SUBSTRATES APPROVED. GLAZED PANEL SHOWN.

MIN. EMBEDMENT, SEE
INSTALLATION NOTE 4
ON SHEET 11.

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

MIN. EDGE
DISTANCE. SEE
INSTALLATION NOTE
4 ON SHEET 11.

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

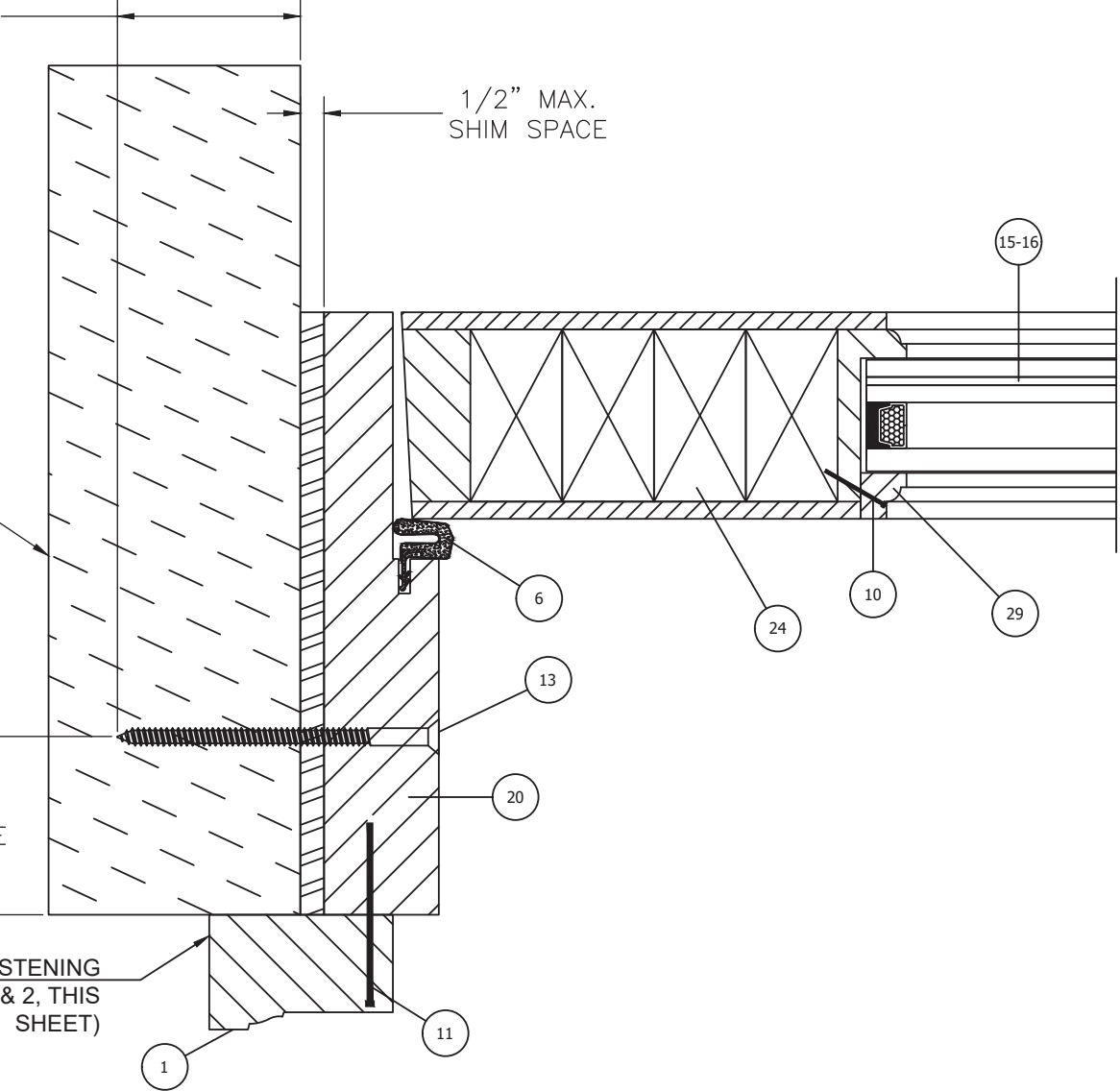


**VERTICAL CROSS SECTION
DOOR JAMB - LOCK SIDE**

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.



1/2" MAX.
SHIM SPACE

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



Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:47:16 -04'00'

SOUTHEAST ARCHITECTURAL MILLWORK, INC.

3485 HIGHWAY 411
WHITE, GA 30184

TITLE: WOOD DOOR WITH TRANSOMS/SIDELITES
HORIZONTAL SECTION G & VERTICAL SECTION H

DATE: 6/19/2020

DRAWING NO: SAM0003

SHEET: 8 OF 13

DRAWN BY: RJA

SCALE: N.T.S.

REV: A

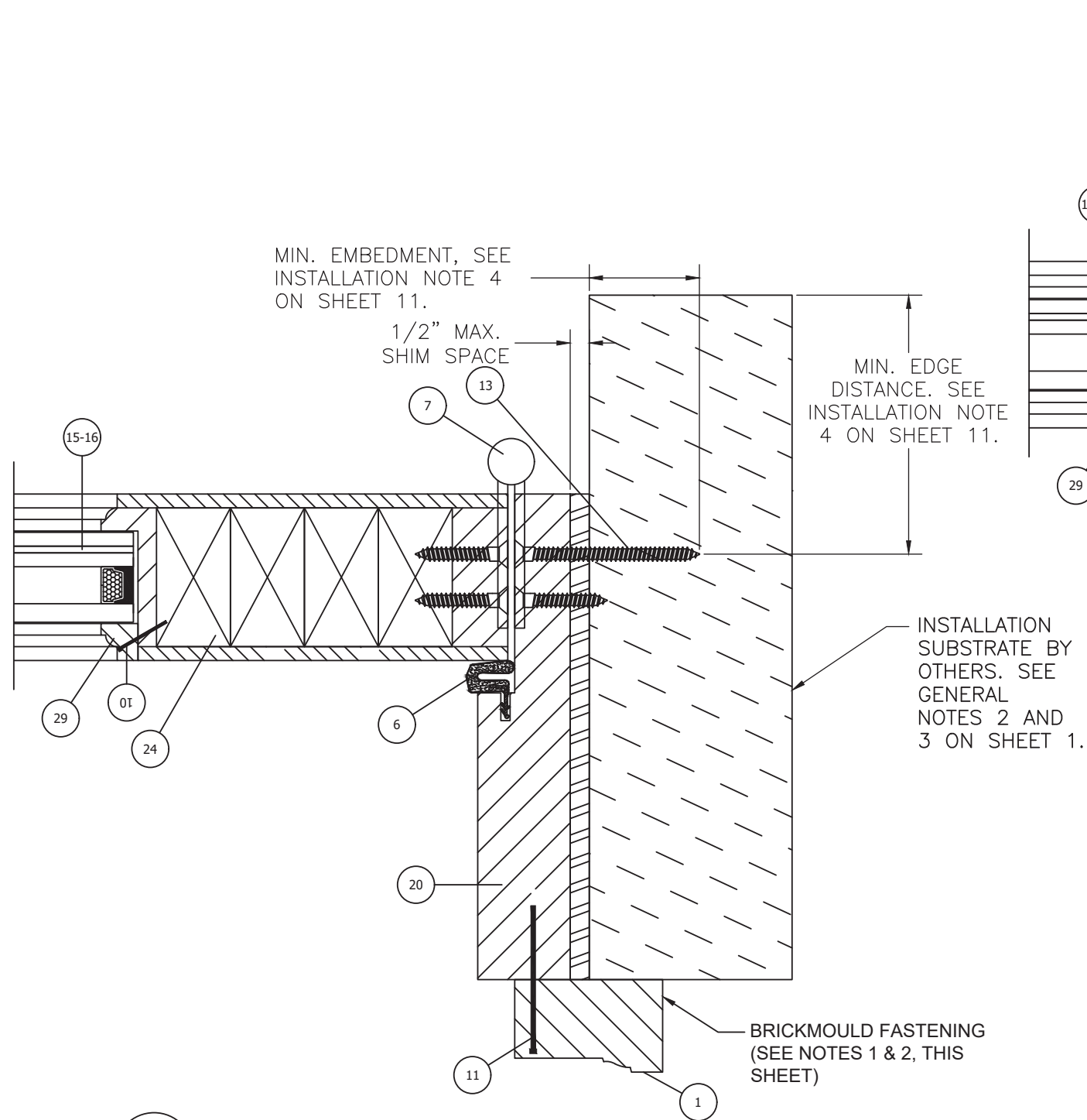
PREPARED BY: PTC

PTC PRODUCT DESIGN GROUP, LLC

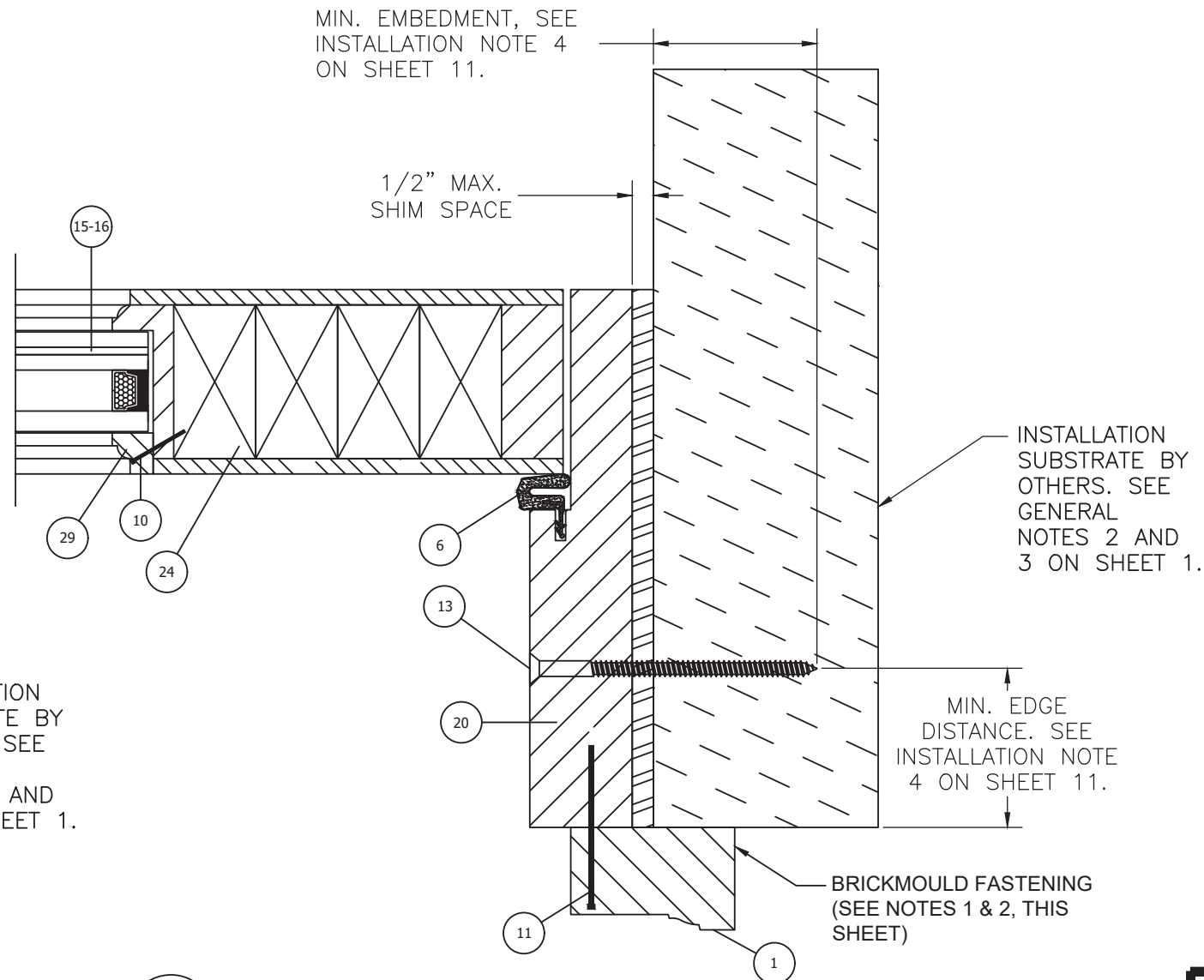
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com
FBIE C.A. NO. 23935

PROJECT # 423-0104

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



**HORIZONTAL CROSS SECTION
DOOR JAMB - LOCATION AT HINGE**
WOOD FRAMING, 2X WOOD BUCK OR CONCRETE/MASONRY SUBSTRATES
APPROVED. GLAZED PANEL SHOWN.

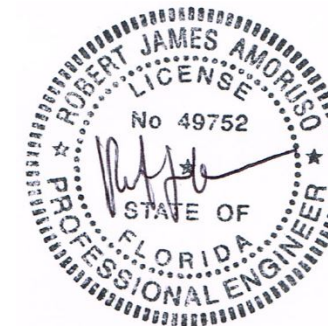


**HORIZONTAL CROSS SECTION
DOOR JAMB - LOCATION AWAY FROM HINGE**
WOOD FRAMING, 2X WOOD BUCK OR CONCRETE/MASONRY SUBSTRATES
APPROVED. GLAZED PANEL SHOWN.

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.

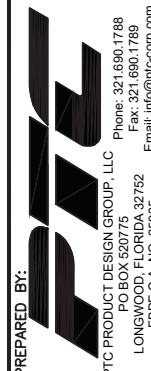
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:47:28 -04'00'

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

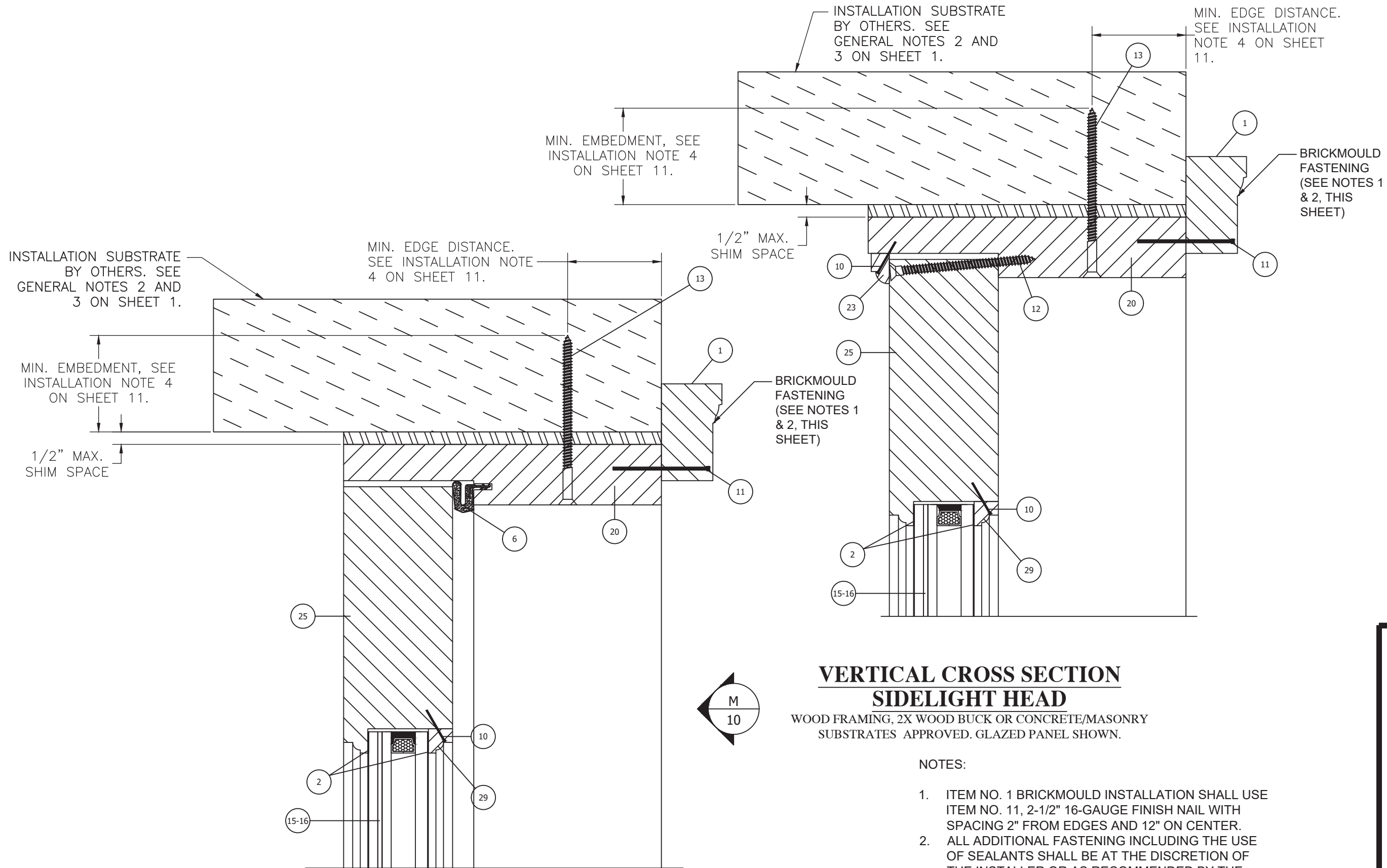
TITLE: WOOD DOOR WITH TRANSOMS/SIDELITES
HORIZONTAL SECTIONS J & K



PREPARED BY: RJA
DATE: 6/19/2020
DRAWING NO: SAM0003
SCALE: N.T.S.
SHEET: 9 OF 13
REV: A

PROJECT # 423-0104

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



VERTICAL CROSS SECTION DOOR HEAD

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

VERTICAL CROSS SECTION SIDELIGHT 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.

PROJECT # 423-0104

SOUTHEAST ARCHITECTURAL MILLWORK, INC.

3485 HIGHWAY 411
WHITE, GA 30184

WOOD DOOR WITH TRANSOMS/SIDELITES
VERTICAL SECTIONS L & M

PREPARED BY:

DRAWN BY:

DATE:

DRAWING NO:

REV:

DESCRIPTION

DATE

BY

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
FBPE C.A. NO. 23935

RJA

6/19/2020

SAM0003

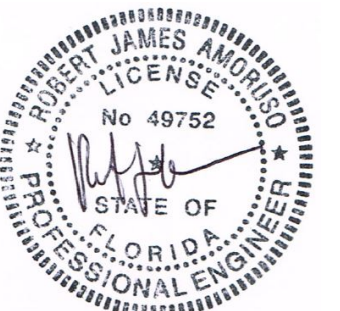
A

UPDATE TO THE 8TH
EDITION (2023) FBC

6/20/23

RJA

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



Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:47:40 -04'00'

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.
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 SIDELITE AND TRANSOM PANELS (AS TESTED SHOWN ON SHEET 2 ELEVATIONS)
- 9.3.

PARTIALLY GLAZED DOOR AND SIDELITE PANELS (AS TESTED SHOWN ON SHEET 2 ELEVATIONS)
- 9.4.

FULLY OPAQUE DOOR PANEL OR RAISED OPAQUE DOOR PANEL WITH MULTIPLE RAILS (ENVELOPED BY TESTING)
- 9.5.

VARIABLE SIZES OF PARTIALLY GLAZED/PARTIALLY RAISED OPAQUE DOOR OR SIDELITE PANELS (ENVELOPED BY TESTING BUT CANNOT EXCEED MAXIMUM DLO FOR PARTIALLY GLAZED DOOR PANEL OR FULLY GLAZED SIDELITE 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

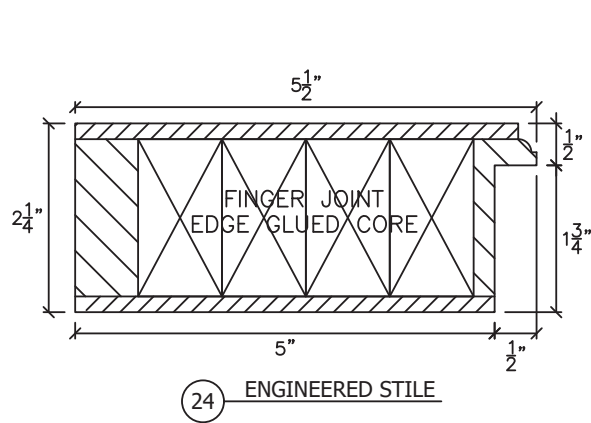
PROJECT # 423-0104				RJA	BY
			6/20/23		DATE
			UPDATE TO THE 8TH EDITION (2023) FBC		DESCRIPTION
			A	REV	

SOUTHEAST ARCHITECTURAL MILLWORK, INC. 3485 HIGHWAY 411 WHITE, GA 30184	WOOD DOOR WITH TRANSOMS/SIDELITES INSTALLATION NOTES AND TABLE	DRAWN BY:	RJA	DATE:	6/19/2020
		SCALE:	N.T.S.	DRAWING NO.:	SAM0003
		REV:	A	SHEET:	11 OF 13
		PREPARED BY:  PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 23935			

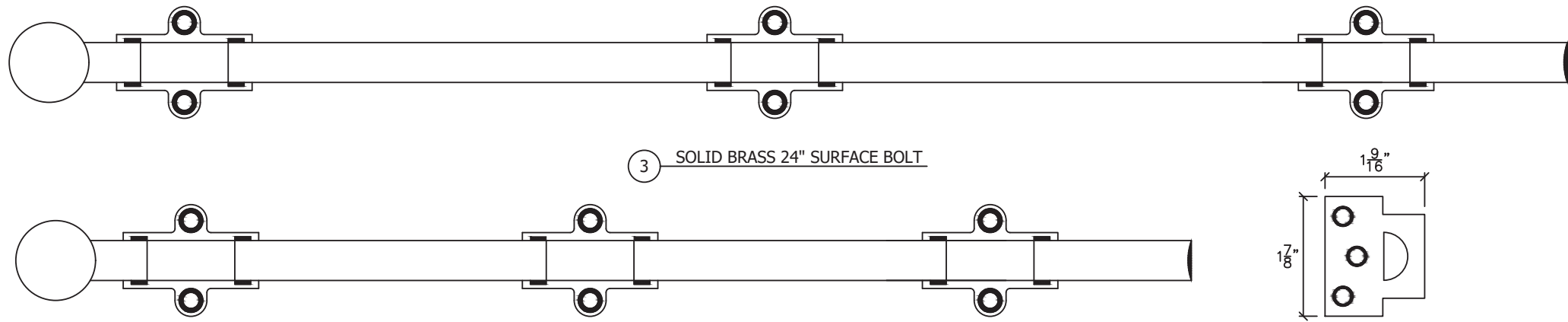
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:47:53 -04'00'



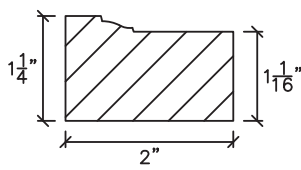
24 ENGINEERED STILE



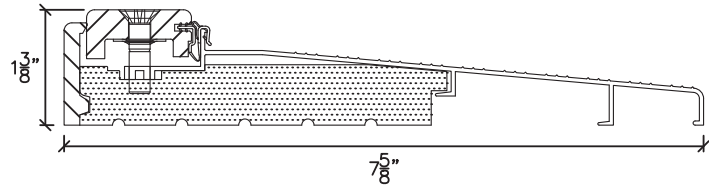
3 SOLID BRASS 24" SURFACE BOLT

4 SOLID BRASS 18" SURFACE BOLT

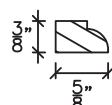
32 SURFACE BOLT STRIKE PLATE



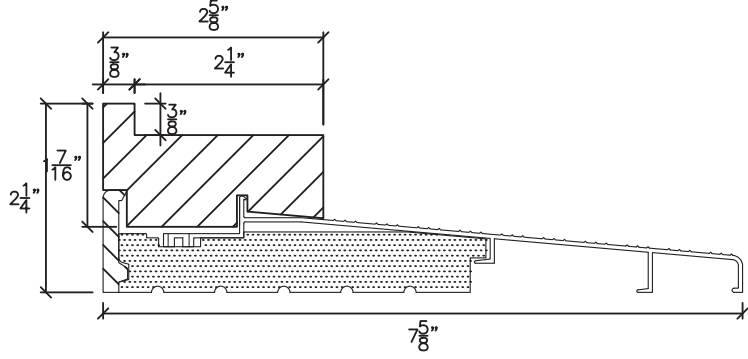
1 BRICK MOULD



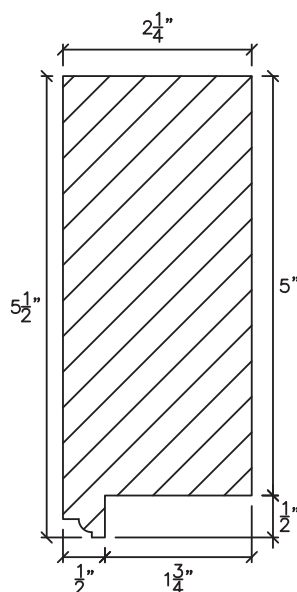
14 DOOR ADJUSTABLE SILL



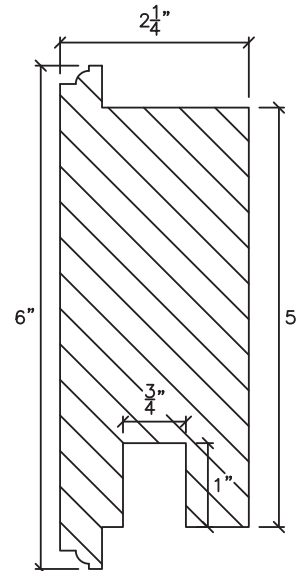
23 SASH STOP



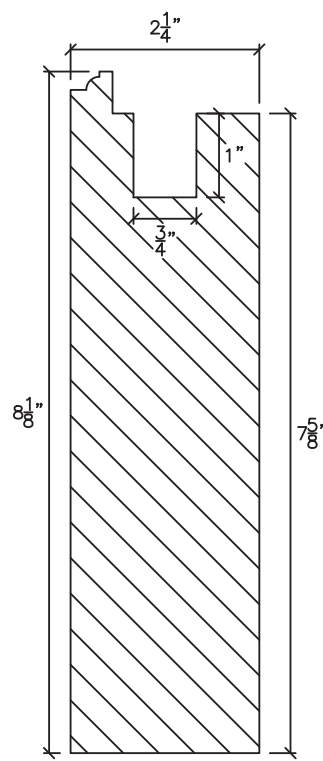
14A SIDELITE SILL



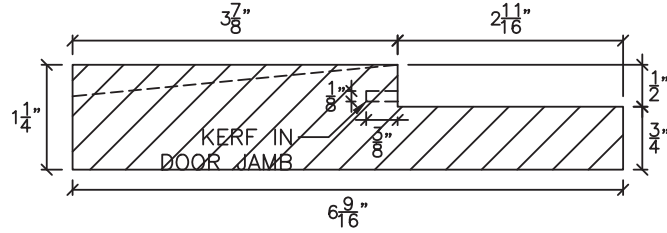
25 TOP RAIL



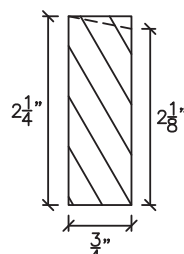
26 INNER RAIL



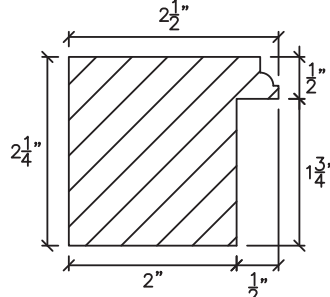
27 BOTTOM RAIL



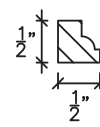
20 SIDE & HEAD JAMB



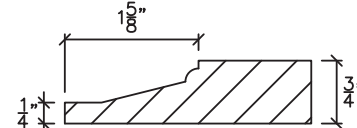
22 EXTERIOR MULL COVER



28 SIDELITE & TRANSOM RAIL

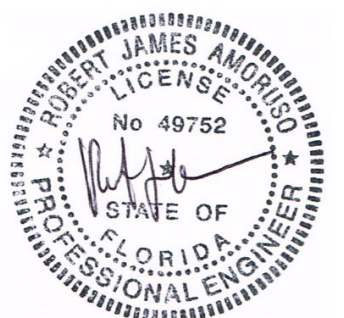


29 GLASS STOP



30 PANEL

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



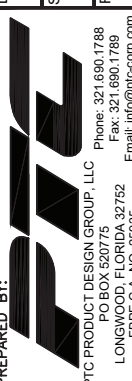
Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:48:06 -04'00'

SOUTHEAST ARCHITECTURAL MILLWORK, INC.

3485 HIGHWAY 411
WHITE, GA 30184

WOOD DOOR WITH TRANSOMS/SIDELITES

COMPONENTS



PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com
FBIE C.A. NO. 23935

PROJECT # 423-0104

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

DRAWN BY: RJA
DATE: 6/19/2020
DRAWING NO: SAM0003
SHEET: 12 OF 13

SCALE: N.T.S.
REV: A

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.
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 11	VARIOUS
14	1-3/8" x 7-5/8" BRZ ADJUSTABLE SILL	QUANEX HOMESHIELD
14A	1-3/8" x 7-5/8" BRZ FIXED CAP 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
22	3/4" x 2-1/4" 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 6" INNER RAIL	WOOD SAPELE
27	2-1/4" x 8-1/8" 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
32	SURFACE BOLT STRIKE PLATE	ALUMINUM
33	EMTEK HANDLE AND DEADBOLT SET	EMTEK
34	DOOR SWEEP	WORLDWIDE DOOR COMPONENTS

PROJECT # 423-0104					
				6/20/23	RJA
				UPDATE TO THE 8TH EDITION (2023) FBC	DATE
				A	REV
				DESCRIPTION	BY
SOUTHEAST ARCHITECTURAL MILLWORK, INC.		DATE: 6/19/2020		DRAWING NO: SAM0003	
3485 HIGHWAY 411		DRAWN BY: RJA		SCALE: N.T.S.	
WHITE, GA 30184		DATE: 6/19/2020		SHEET: 13 OF 13	
TITLE: WOOD DOOR WITH TRANSOMS/SIDELITES		BILL OF MATERIALS & COMPONENTS		REV: A	
PREPARED BY:		DATE: 6/19/2020		DRAWING NO: SAM0003	
PTC PRODUCT DESIGN GROUP, LLC		DATE: 6/19/2020		SHEET: 13 OF 13	
LONGWOOD, FLORIDA 32752		DATE: 6/19/2020		DRAWING NO: SAM0003	
FBIE C.A. NO. 23835		DATE: 6/19/2020		SHEET: 13 OF 13	

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

Digitally signed
by Robert J
Amoruso
Date: 2023.09.01
15:48:21 -04'00'