

SCARDINO DOORS, LLC

INSWING FRENCH STEEL EXTERIOR HINGED XX & X DOOR

ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT WAS TESTED IN A MANNER CONSISTENT WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) TO THE DESIGN PRESSURE(S) STATED HEREIN USING THE FOLLOWING PROTOCOLS.

1.1. TAS202-94, CRITERIA FOR TESTING IMPACT & NON-IMPACT RESISTANT BUILDING ENVELOPE COMPONENTS USING UNIFORM STATIC AIR PRESSURE..
2. THIS PRODUCT WAS TESTED IN A MANNER CONSISTENT WITH THE WIND BORNE DEBRIS REGION REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) TO THE DESIGN PRESSURE(S) STATED HEREIN USING THE FOLLOWING PROTOCOLS.

2.1. AAMA/WDMA/CSA 101/I.S. 2/A440-11, NORTH AMERICAN FENESTRATION STANDARD/SPECIFICATION FOR WINDOWS, DOORS, AND SKYLIGHTS.
3. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON THE FOLLOWING SIGNED AND SEALED TEST REPORTS BY INTERTEK/ARCHITECTURAL TESTING, 1701 WESTFORK DRIVE, SUITE 106, LITHIA SPRINGS, GA 30122.

3.1. HVHZ - TEST REPORT NO. E9259.03-550-18, DATED 10/03/16, SIGNED AND SEALED BY JUSTIN P. MCDONALD, FL PE LICENSE NO. 77418

3.2. NON-HVHZ - TEST REPORT NO. E9259.01-550-18, DATED 7/19/16
4. THIS PRODUCT EVALUATION DOCUMENT IS FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
5. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY, 2X FRAMING AND METAL FRAMING SUBSTRATES AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
6. 2X BUCKS (WHEN USED) HAVE BEEN DESIGNED TO PROPERLY TRANSFER ALL LOADS TO THE OPENING SUPPORTING STRUCTURE. SEE SHEET 8 FOR DETAILS AND REQUIREMENTS.
7. THIS PRODUCT IS NOT IMPACT RESISTANT. ADDITIONAL IMPACT PROTECTIVE DEVICES ARE REQUIRED.
8. SITE CONDITIONS NOT COVERED IN THIS PRODUCT EVALUATION DOCUMENT ARE SUBJECT TO ADDITIONAL ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
9. MATERIALS: SEE BILL OF MATERIALS ON SHEET 4 AND ADDITIONAL DETAILS ON SHEET 7.
10. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-09a.
11. DESIGNATION "X" STANDS FOR OPERABLE PANEL.
12. THIS DRAWING CERTIFIES THE DOOR INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED DOOR IS NOT PART OF THIS INSTALLATION CERTIFICATION. IT SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER AND/OR THE INSTALLER TO PROVIDE APPROPRIATE SEALING DETAILS.
13. IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE, WOOD BUCKS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES.

INSTALLATION NOTES:

1. DOOR FRAME TO 2X WOOD BUCK:

1.1. TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH MOUNTING FLANGE (ANGLED INSTALLATION CLIP) LOCATION SHOWN.

1.2. 2X WOOD BUCKING TO OPENING SUPPORTING STRUCTURE SHALL BE AS SHOWN ON SHEET 8.
2. PRODUCT ANCHORS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
3. SEE *INSTALLATION ANCHOR SCHEDULE* ON SHEET 9 FOR TYPE AND GRADE OF ANCHOR, AND/OR MANUFACTURER'S ANCHOR SPECIFICATIONS, INCLUDING MINIMUM NOMINAL SIZE, MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM EDGE DISTANCES.

3.1. EDGE DISTANCES SHALL BE MEASURED FROM CENTERLINE OF ANCHOR TO EDGE OF STRUCTURAL SUBSTRATE EITHER TO THE INTERIOR OR EXTERIOR OF THE FENESTRATION PRODUCT.

3.2. MINIMUM EMBEDMENT SHALL BE BASED ON PENETRATION INTO MAIN WIND FORCE RESISTING SYSTEM SUBSTRATE.
4. SEE SHEET 5 AND 6 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
5. MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD COMPOSITE, HIGH DENSITY PLASTIC OR SIMILAR LOAD BEARING MATERIAL.
6. 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 IN THE *INSTALLATION ANCHOR SCHEDULE* ON SHEET 9. FOR CONCRETE BLOCK APPLICATIONS DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.

DESIGN PRESSURE RATING (PSF) AND IMPACT RATING			
LOCATIONS	DESIGN PRESSURE RATING (PSF)	IMPACT RATING	WATER PENETRATION
HIGH VELOCITY HURRICANE ZONE (HVHZ)	+50 / -50	NONE	LIMITED WATER PER ASTM E331 AT 0 PSF. OVERHANG IN ACCORDANCE WITH FBC REQUIRED WHEN WATER PENETRATION REQUIREMENTS EXIST.
NON-HVHZ AREAS	+50 / -50	NONE	

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL & INSTALLATION NOTES AND DP CHART
2	APPROVED CONFIGURATIONS
3	FRAME TO SUBSTRATE ATTACHMENT CLIP LOCATIONS
4	DETAILS AND COMPONENT BOM
5	ATTACHMENT CLIP INSTALLATION - VERTICAL SECTION VIEWS
6	ATTACHMENT CLIP INSTALLATION - HORIZONTAL SECTION VIEWS
7	HARDWARE AND WEATHER STRIPPING DETAILS
8	DOOR FRAME 2X BUCK ANCHORAGE
9	ANCHOR SCHEDULE

DIMENSIONS:
ALL DIMENSIONS IN:
1. INCHES,
2. MILLIMETERS, OR
3. MILLIMETERS [INCHES].

PROJECT # 419-1109

SCARDINO DOORS, LLC

987 CHATTAHOOCHEE AVE. NW, SUITE B

ATLANTA, GA 30318

TITLE: INSWING FRENCH STEEL EXTERIOR HINGED XX & X DOOR

GENERAL & INSTALLATION NOTES AND DP CHART

DRAWN BY: RJA

DATE: 9/5/16

SCALE: N.T.S.

SHEET: 1 OF 9

REV: A

PTC Product Design Group, LLC

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Longwood, FL 32762-0775

Phone: 321.690.1788

Fax: 321.690.1789

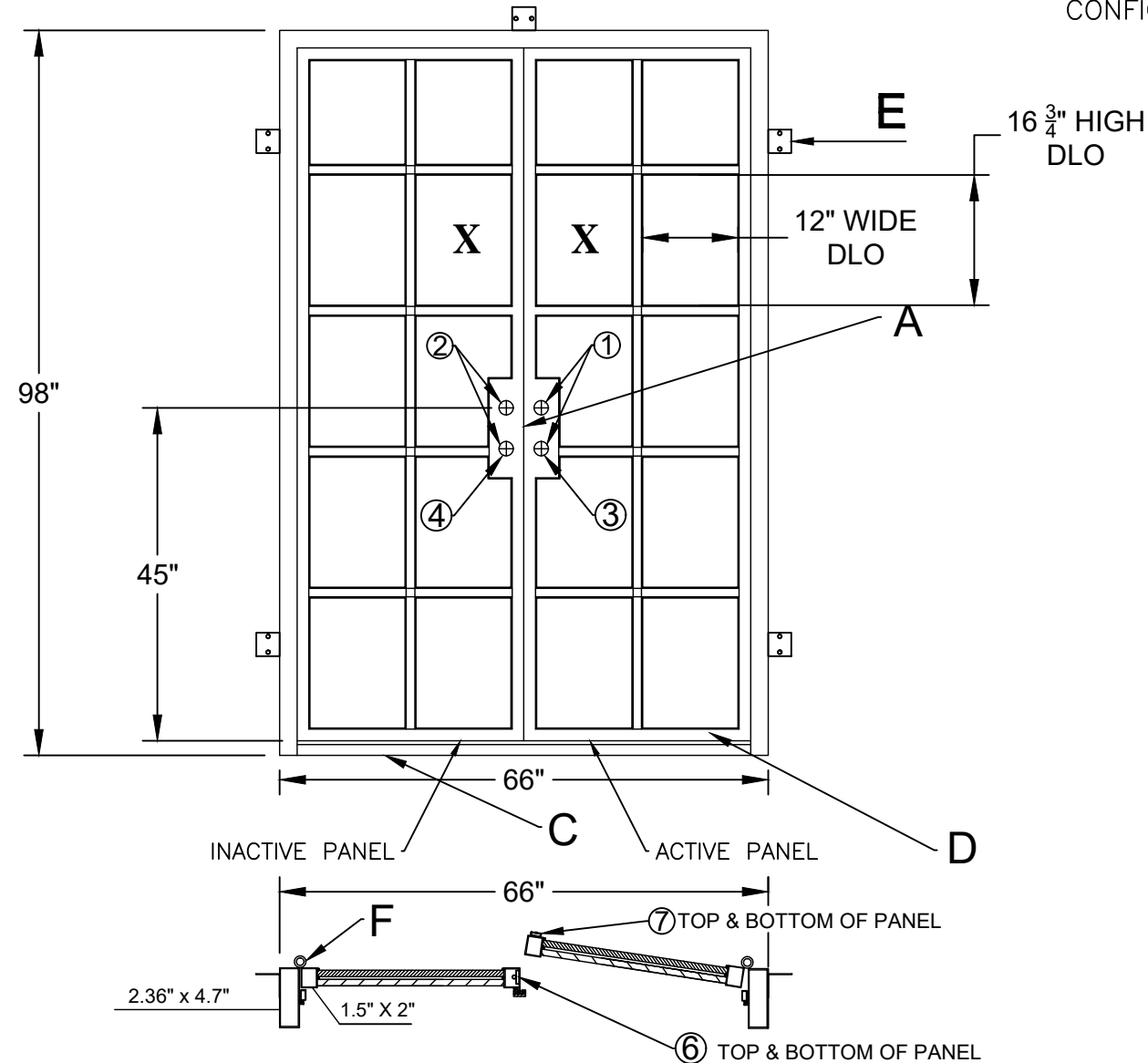
Email: info@ptc-corp.com

Robert J. Amoruso, P.E.

Florida P.E. No. 49752

APPROVED CONFIGURATIONS

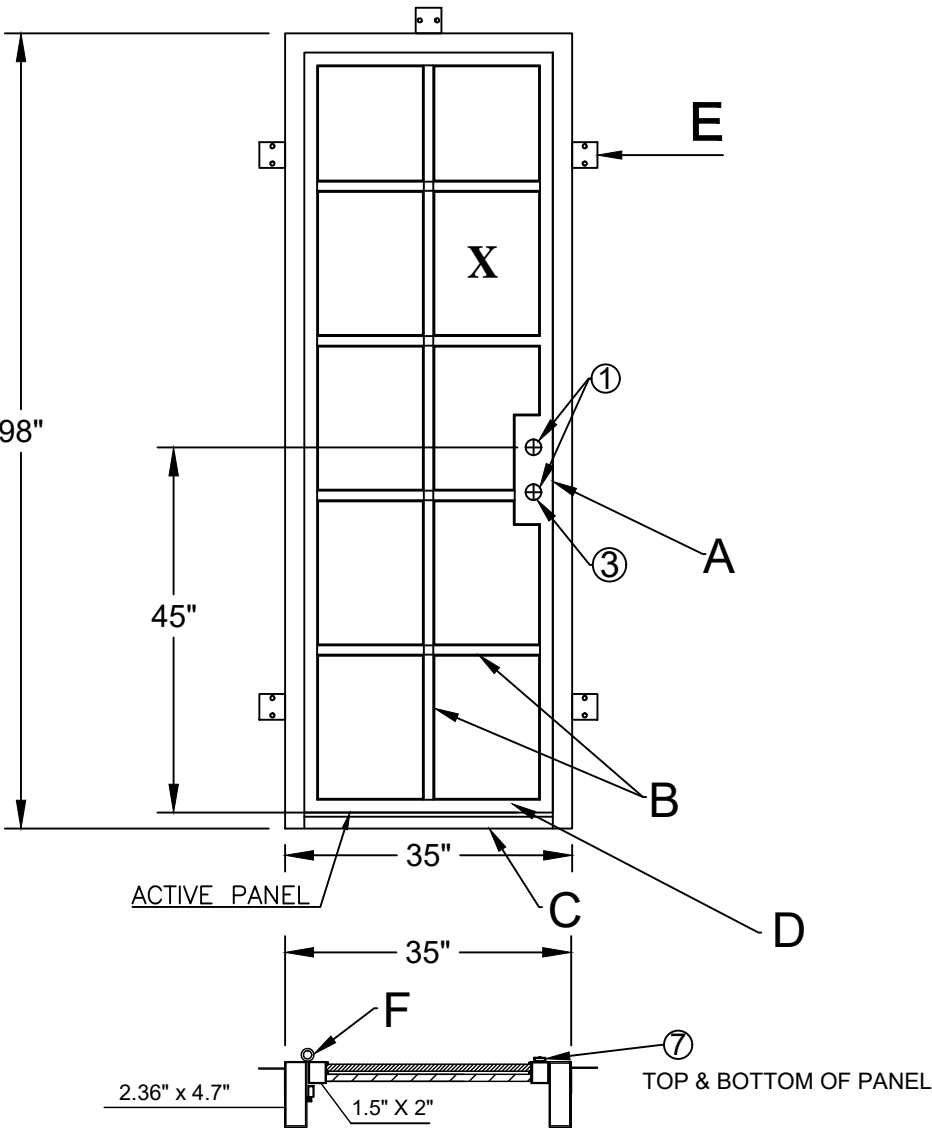
DAYLIGHT OPENING (DLO)
TRUE DIVIDED LIGHTS (TYP)
12" WIDE X 16 $\frac{3}{4}$ " HIGH
APPLICABLE TO XX AND X DOOR
CONFIGURATIONS



ELEVATION AND HORIZONTAL SECTION
DOUBLE RECTANGULAR DOOR
EXTERIOR VIEW

UNITS: ENGLISH / DIMENSIONS: INCHES

SEE ELEVATION ON SHEET 3 FOR ATTACHMENT CLIP (Detail E) LOCATIONS
SEE SHEET 4 FOR DETAILS A THROUGH F
SEE SHEET 7 FOR HARDWARE AND WEATHERSTRIPPING DETAILS



ELEVATION AND HORIZONTAL SECTION
SINGLE RECTANGULAR DOOR
EXTERIOR VIEW

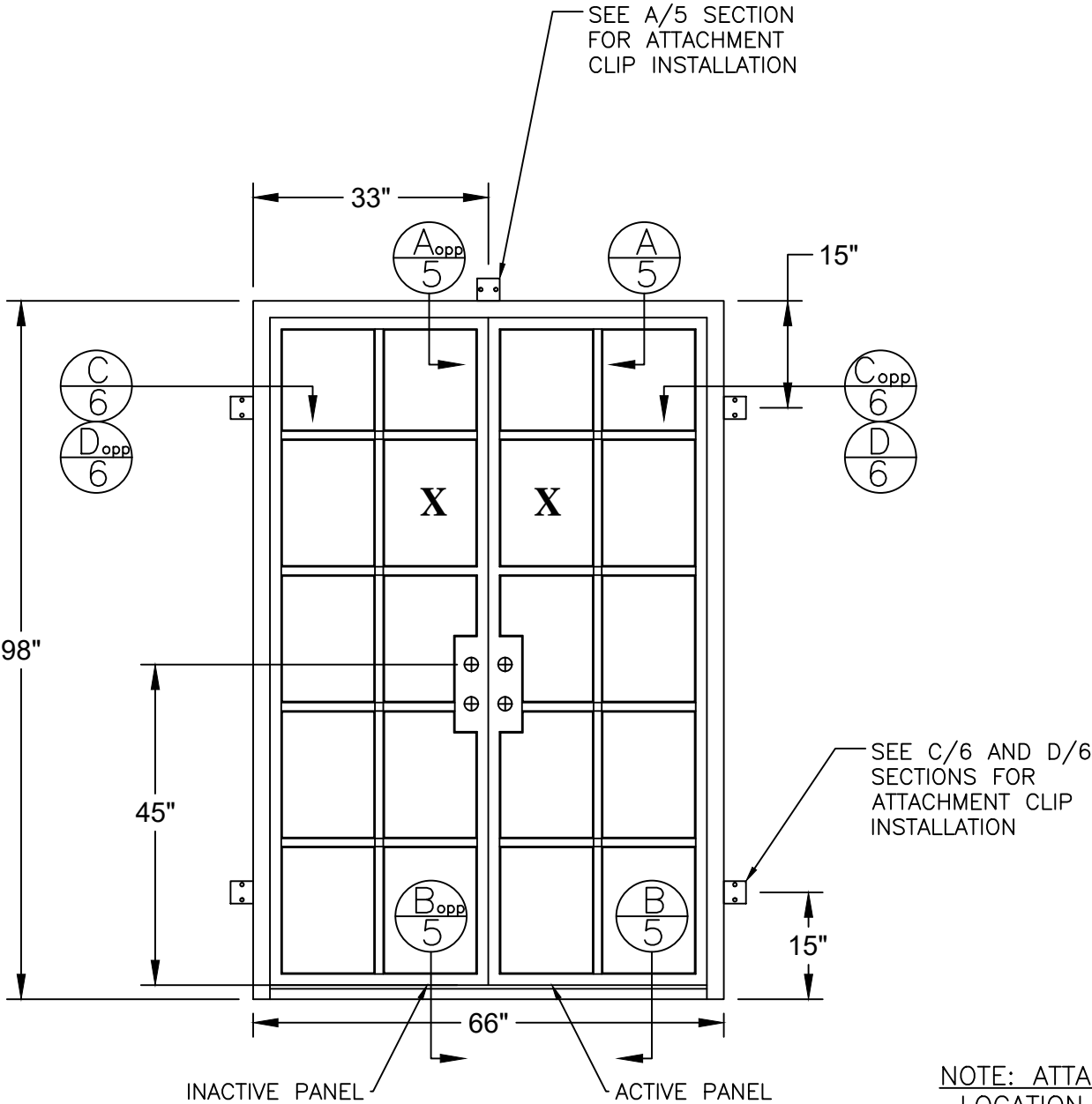
UNITS: ENGLISH / DIMENSIONS: INCHES

SEE ELEVATION ON SHEET 3 FOR ATTACHMENT CLIP (Detail E) LOCATIONS
SEE SHEET 4 FOR DETAILS A THROUGH F
SEE SHEET 7 FOR HARDWARE AND WEATHERSTRIPPING DETAILS

PROJECT # 419-1109				RJA	BY
				8/7/2020	DATE
				REVISED PRODUCT NAME	DESCRIPTION
SCARDINO DOORS, LLC 987 CHATTAHOOCHEE AVE. NW, SUITE B ATLANTA, GA 30318	TITLE: INSWING FRENCH STEEL EXTERIOR HINGED XX & X DOOR APPROVED CONFIGURATIONS	DRAWN BY:	RJA	DATE:	9/5/16
		SCALE:	N.T.S.	DRAWING NO.:	SCAR0001
		REV:	A	SHEET:	2 OF 9
PTC Product Design Group, LLC PO Box 520775 Longwood, FL 32762-0775 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com FBTE GA NO. 23553	PREPARED BY:	DATE:	RJA	9/5/16	SCAR0001

Robert J. Amoruso, P.E.
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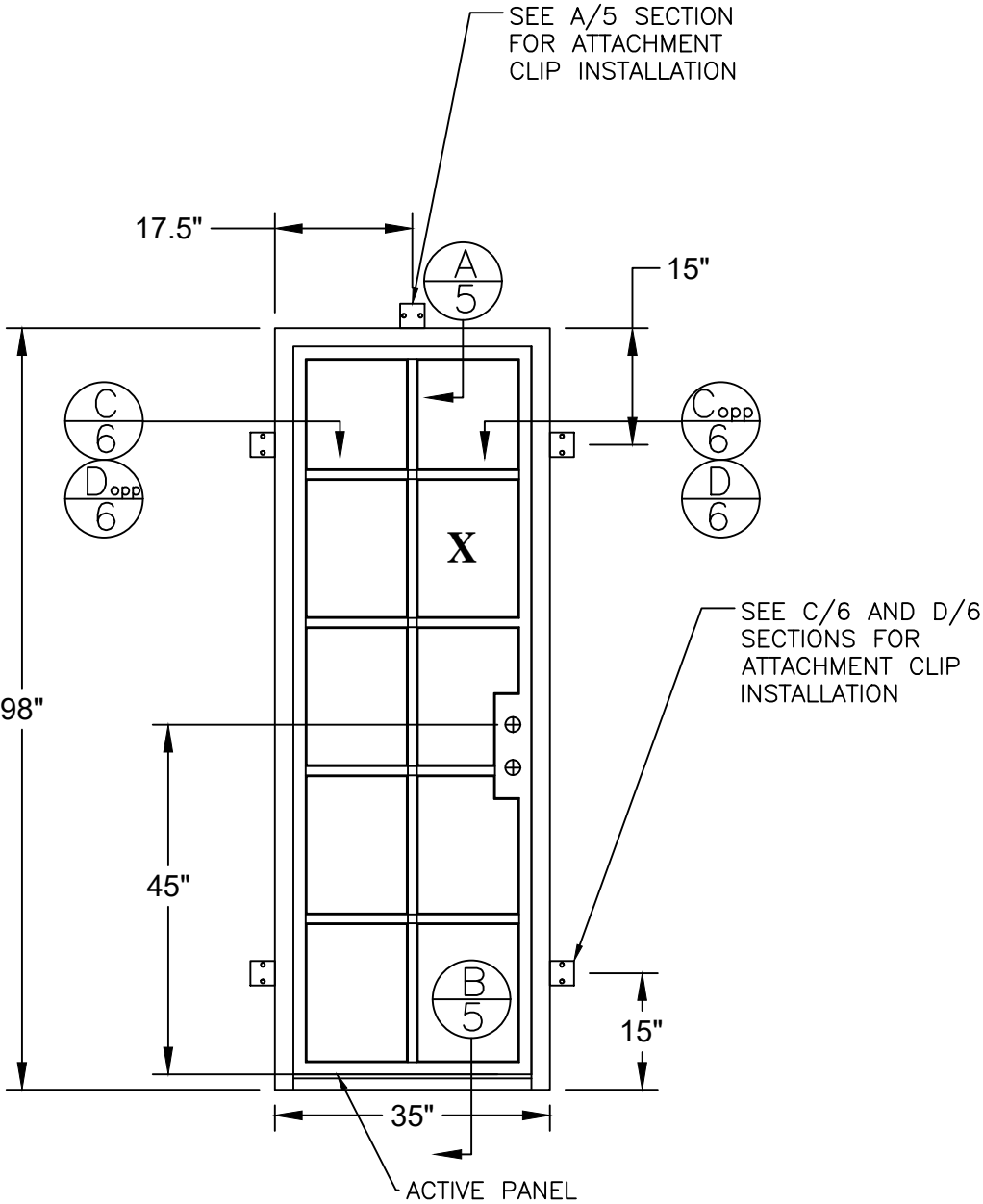
FRAME TO SUBSTRATE ATTACHMENT CLIP LOCATIONS



NOTE: ATTACHMENT CLIP
LOCATION TOLERANCE
+/- 2"

ATTACHMENT CLIP LOCATION ELEVATION
DOUBLE RECTANGULAR DOOR
EXTERIOR VIEW

UNITS: ENGLISH / DIMENSIONS: INCHES
SEE ELEVATION ON SHEET 2 FOR DETAIL CALLOUTS
SEE SHEET 4 FOR DETAILS A THROUGH F
SEE SHEET 7 FOR HARDWARE AND WEATHERSTRIPPING DETAILS



ATTACHMENT CLIP LOCATION ELEVATION
SINGLE RECTANGULAR DOOR
EXTERIOR VIEW

UNITS: ENGLISH / DIMENSIONS: INCHES
SEE ELEVATION ON SHEET 2 FOR DETAIL CALLOUTS
SEE SHEET 4 FOR DETAILS A THROUGH F
SEE SHEET 7 FOR HARDWARE AND WEATHERSTRIPPING DETAILS

PROJECT # 419-1109

SCARDINO DOORS, LLC
987 CHATTAHOOCHEE AVE. NW, SUITE B
ATLANTA, GA 30318

TITLE: INSWING FRENCH STEEL EXTERIOR HINGED XX & X DOOR
FRAME TO SUBSTRATE ATTACHMENT CLIP LOCATIONS

PREPARED BY: RJA DATE: 9/5/16

SCALE: N.T.S. DRAWING NO: SCAR0001

REV: A SHEET: 3 OF 9

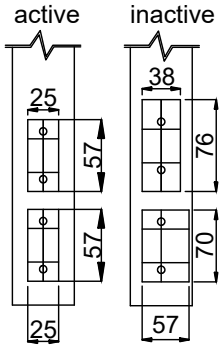
PTC Product Design Group, LLC
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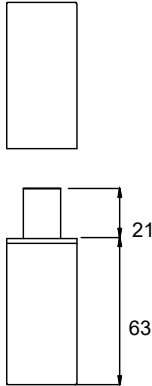


DETAILS

UNITS: METRIC / DIMENSIONS: MILLIMETERS
SEE ELEVATION ON SHEET 2 FOR DETAIL CALLOUTS

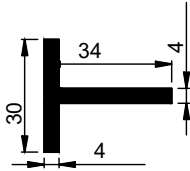


A Adjustable Strike Plate
Cut Outs

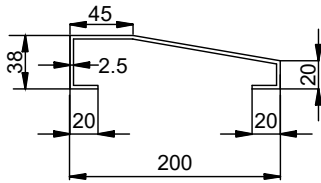


F Barrel Hinge

SEE SECTION
C/6 AND D/6
FOR WELDING
DETAIL OF
BARREL HINGE
TO DOOR PANEL
(TOP BARREL)
AND FRAME
(BOTTOM
BARREL)



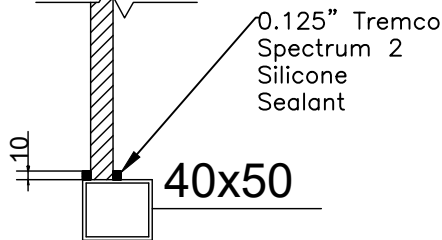
B Muntin Detail



C Threshold

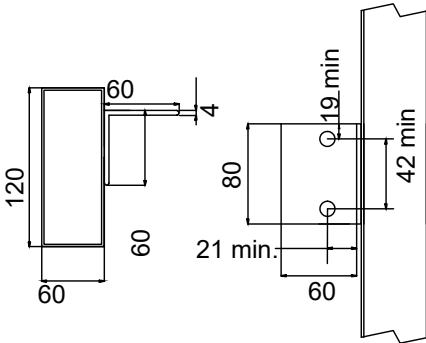
Threshold is fabricated by Scardino Doors.

5/8" Insulating Glass Unit



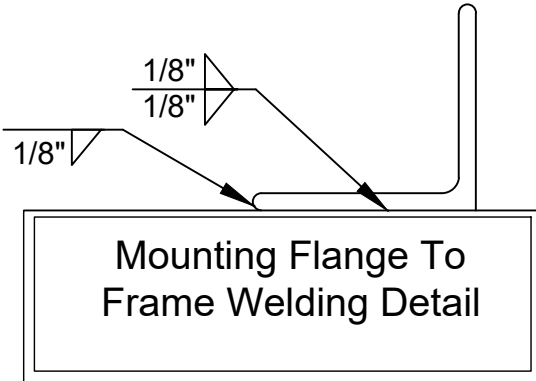
D Glazing detail

5/8" Insulating Glass Unit
Comprised of 1/8" Tempered
Glass x 3/8" Air Space x 1/8"
Tempered Glass 3/8" glass bite



E Mounting Flange Detail

Mounting Flange Hole Location minimums
shall be maintained. Flange size can be
varied to accommodate installation.



Mounting Flange To
Frame Welding Detail

COMPONENT BILL OF MATERIALS			
ITEM NO.	ITEM DESCRIPTION	LOCATION	REMARKS
1	WESLOCK SQUARE DEADBOLT LOCKSET	ACTIVE DOOR	
2	WESLOCK DEADBOLT - DUMMY	INACTIVE DOOR	
3	WESLOCK MONOGHAN LEVER	ACTIVE DOOR	
4	WESLOCK MONOGHAN LEVER - DUMMY	INACTIVE DOOR	
5	5-FIN VINYL DOOR BOTTOMS/SWEEPS	UNDER BOTTOM RAILS OF DOOR PANELS	
6	DOUBLE DOOR FLUSH BOLT LOCKS	TOP AND BOTTOM OF INACTIVE DOOR STILE	
7	STEEL CONCEALED SCREW SLIDE BOLT	TOP AND BOTTOM OF LOCKING STILE OF ACTIVE DOOR	
8	KERF PERIMETER WEATHER-STRIP	MEETING STILE OF DOOR LEAFS AND ALL MEMBERS OF FRAME AT HEAD & JAMBS	QLON QEBD 825 KERF WEATHERSTRIP
9	GLAZING	20 TRUE DIVIDED LIGHTS - DOUBLE DOOR 10 TRUE DIVIDED LIGHTS - SINGLE DOOR	SEE DETAIL D
10	TREMCO SPECTRUM 2 SILICONE SEALANT	SEE DETAIL D	SEE DETAIL D

PROJECT # 419-1109

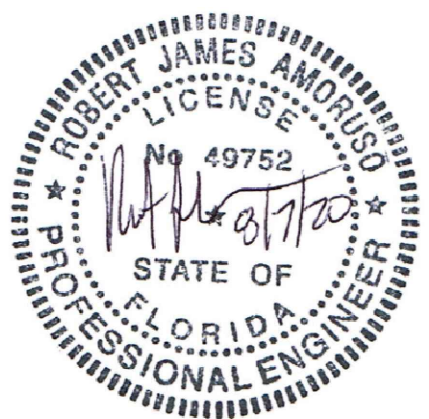
SCARDINO DOORS, LLC
987 CHATTAHOOCHEE AVE. NW, SUITE B
ATLANTA, GA 30318

TITLE: INSWING FRENCH STEEL EXTERIOR HINGED XX & X DOOR
DETAILS AND COMPONENT BOM

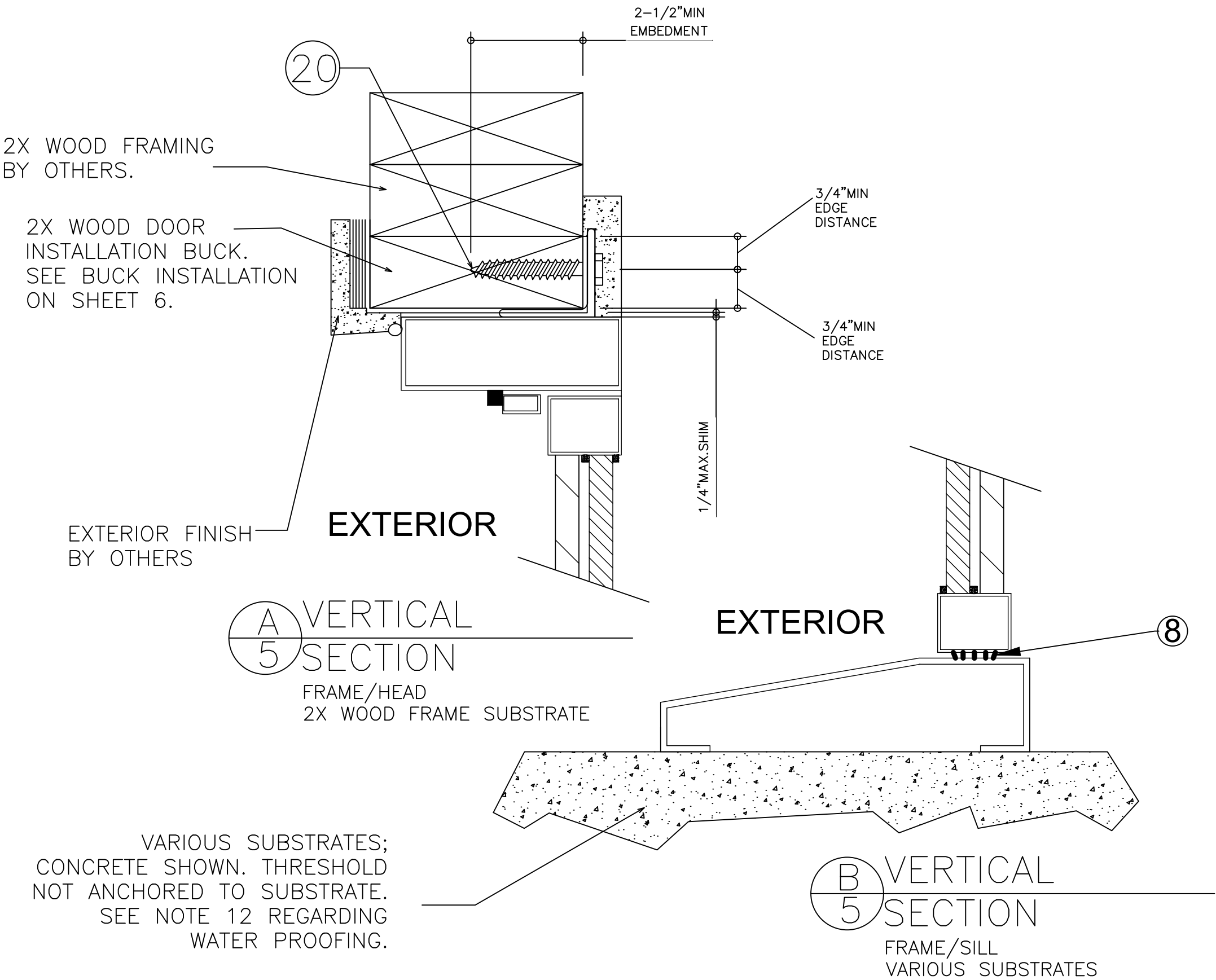
DRAWN BY:	RJA	DATE:	9/5/16
SCALE:	N.T.S.	DRAWING NO:	SCAR0001
REV:	A	SHEET:	4 OF 9

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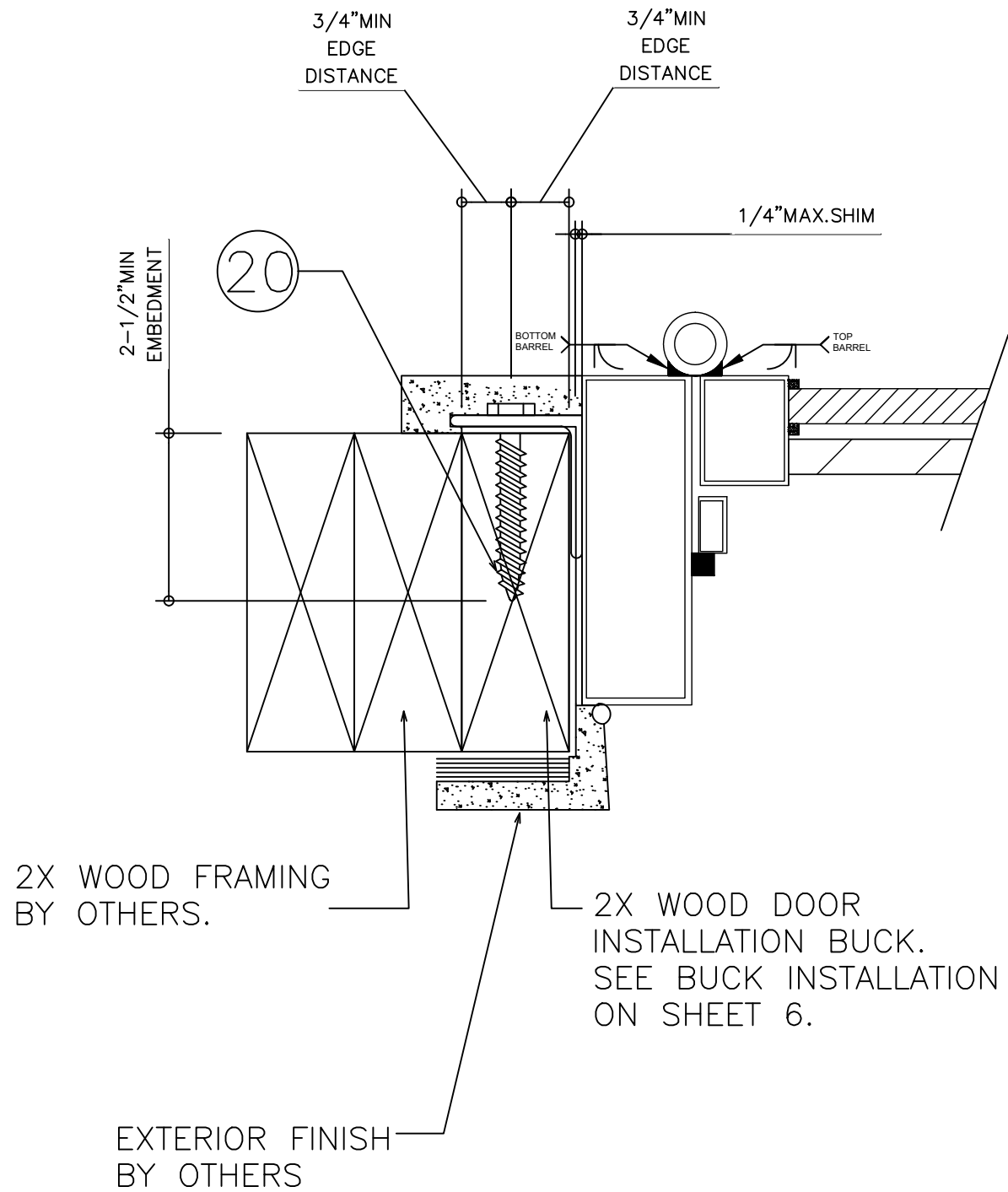
ATTACHMENT CLIP INSTALLATION - VERTICAL SECTION VIEWS



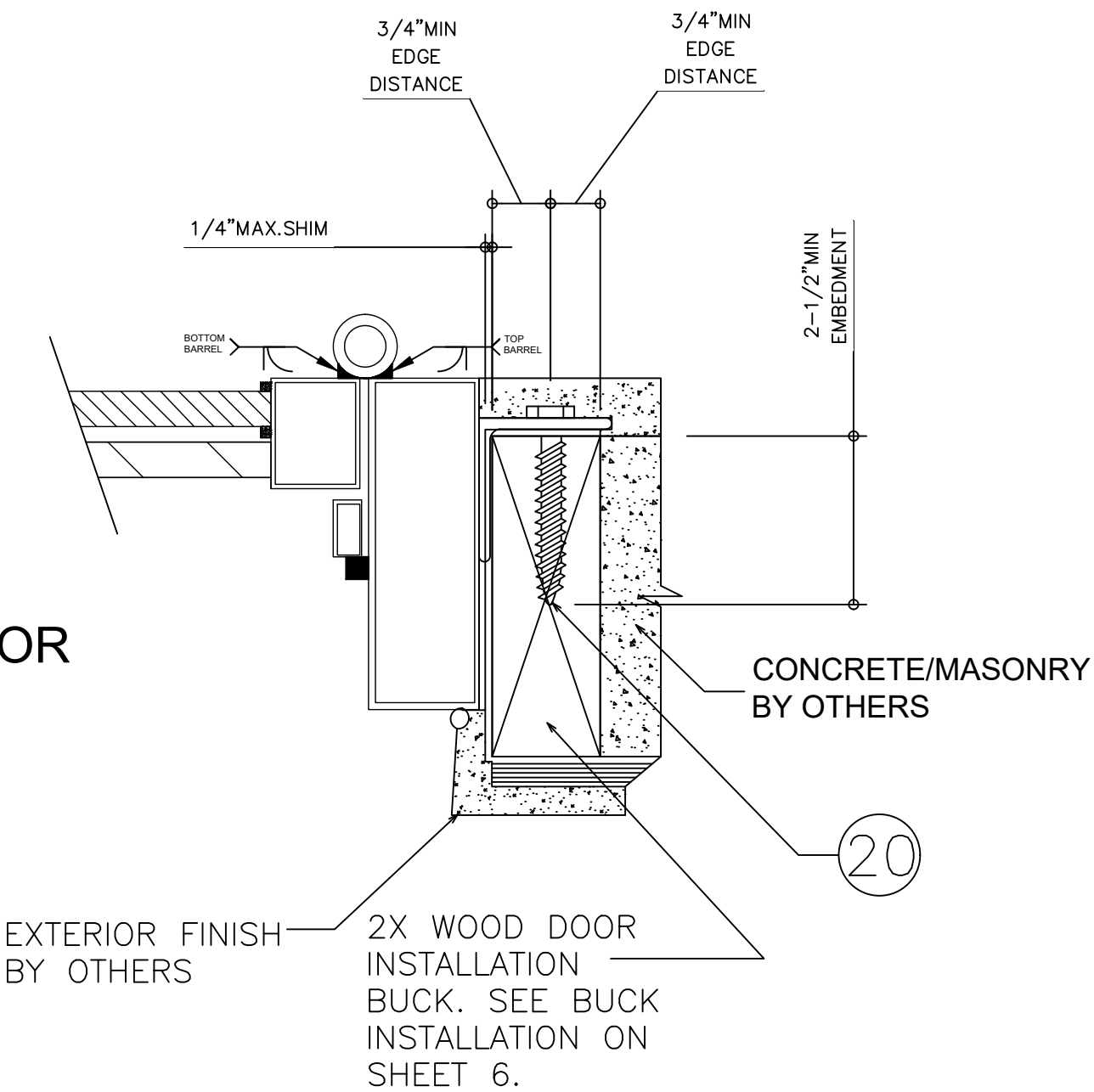
PROJECT # 419-1109									
SCARDINO DOORS, LLC		987 CHATTAHOOCHEE AVE. NW, SUITE B		ATLANTA, GA 30318		TITLE: INSWING FRENCH STEEL EXTERIOR HINGED XX & X DOOR		ATTACHMENT CLIP INSTALLATION - SECTION VIEWS	
DRAWN BY: RJA		DATE: 9/5/16		DRAWING NO: SCAR0001		SHEET: 5 OF 9		REV: A	
SCALE: N.T.S.		REV: A		DESCRIPTION		DATE		BY	
PTC Product Design Group, LLC		PO Box 520775		Longwood, FL 32762-0775		Phone: 321.690.1788		Fax: 321.690.1789	
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ATTACHMENT CLIP INSTALLATION - HORIZONTAL SECTION VIEWS



EXTERIOR



C HORIZONTAL SECTION
FRAME/JAMB
2X WOOD FRAME SUBSTRATE

D HORIZONTAL SECTION
FRAME/JAMB
CONCRETE/MASONRY SUBSTRATE

PROJECT # 419-1109					
SCARDINO DOORS, LLC 987 CHATTAHOOCHEE AVE. NW, SUITE B ATLANTA, GA 30318	TITLE: INSWING FRENCH STEEL EXTERIOR HINGED XX & X DOOR ATTACHMENT CLIP INSTALLATION - SECTION VIEWS	DRAWN BY: RJA	SCALE: N.T.S.	DATE: 9/5/16	REV: A
PREPARED BY: PTC Product Design Group, LLC PO Box 520775 Longwood, FL 32762-0775 FBTE GA NO. 23853	DRAWING NO: SCAR0001	SHEET: 6 OF 9	REV: A	DESCRIPTION	BY



HARDWARE AND WEATHER STRIPPING DETAILS

HARDWARE (ITEMS 1, 2, 3, 4, 6 & 7) AND WEATHERSTRIPPING (ITEMS 5 & 8) DETAILS

PROJECT # 419-1109

SCARDINO DOORS, LLC
987 CHATTAHOOCHEE AVE. NW, SUITE B
ATLANTA, GA 30318

TITLE: INSWING FRENCH STEEL EXTERIOR HINGED XX & X DOOR
HARDWARE AND WEATHER STRIPPING DETAILS

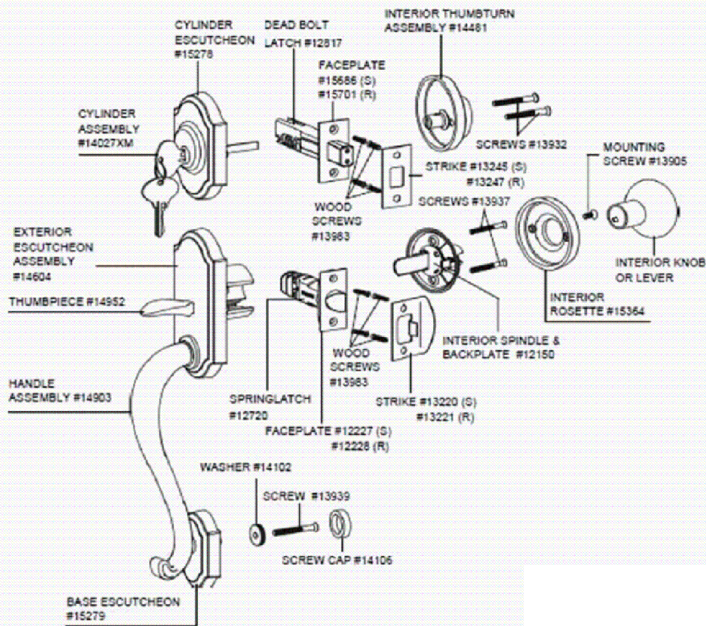
DRAWN BY:	RJA	DATE:	9/5/16
SCALE:	N.T.S.	DRAWING NO:	SCAR0001
REV:	A	SHEET:	7 OF 9

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FBTE GA NO. 23853

REV	DESCRIPTION	DATE	BY
A	REVISED PRODUCT NAME	8/7/2020	RJA

Weslock Molten Bronze Collection Two Piece Entry Handles

Castletown
7615 Single Cylinder with Round Interior



* Finishes available: (R, H, 1, 2, P)				
Latch & Strike Screws				
Wood Door & Jamb (8 Each)				13983
Metal Door & Jamb (8 Each)				13903
3" Wood Screw (2 Each)				13909
Knobs & Levers				
Cylinder Assembly		Interior Knob/Lever	Knob/Lever Style	
Single	Double	12219	Wexford Knob	
14027XM	14746XM	12283	Durham Knob	
Cylinder Tailpiece	14568	14745	12230	Right Hand Carlow Lever
Cylinder Retaining Screw	13910	13910	12215	Left Hand Carlow Lever
Cylinder Cap	14247	14247	12301	Non-Handed Waterford Lever
Cylinder Pin Drive	14041	14041	12305	Non-Handed Monaghan Lever

A - 1

ITEMS 1, 2, 3 & 4
WESLOCK SQUARE DEADBOLT
LOCKSET & LEVER

ITEMS 1 & 3 ACTIVE PANEL
ITEMS 2 & 4 INACTIVE PANEL - DUMMY LOCKSET

Steel Concealed Screw Slide Bolt
8" x 7/8" Mounting Plate

Each

In stock \$18.03 Each 1245A51

ADD TO ORDER

Mounting screws are concealed to discourage tampering. Slide bolts are reversible for right- and left-hand mounting. Mount vertically or horizontally. Furnished with mounting screws.

ITEM 7
STEEL CONCEALED SCREW SLIDE BOLT
TOP AND BOTTOM OF LOCKING STILE OF ACTIVE DOOR



ITEM 5
5-FIN VINYL DOOR BOTTOMS/SWEEPS
UNDER BOTTOM RAILS OF DOOR PANELS

Double-Door Flush Bolt Lock
for Metal Door, Mortise Mount, Manual Type

Each

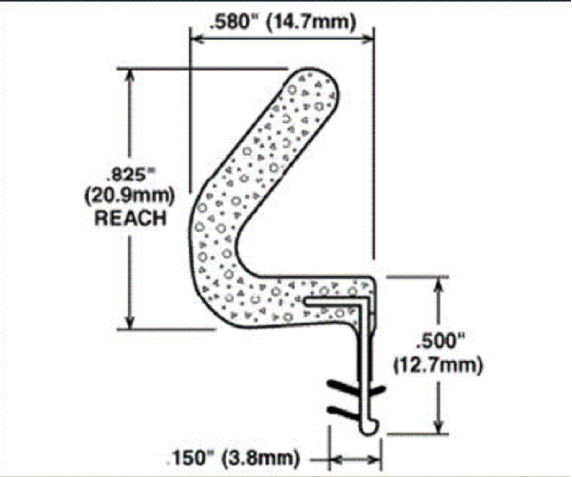
In stock \$14.24 Each 8558T15

ADD TO ORDER

Type	Manual
Width	1"
Length	6 3/4"
Depth	1 1/8"
Additional Specifications	For Metal Doors Mortise Mount

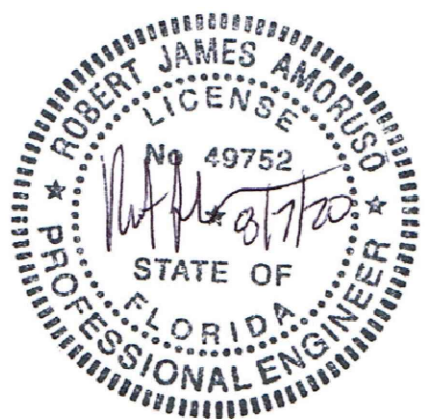
Control access to double doors. Flush bolt locks have a latch bolt to secure the door in the closed position. Mortise-mount locks for metal doors have a 12" bolt.

ITEM 6
DOUBLE DOOR FLUSH BOLT LOCKS
TOP AND BOTTOM OF INACTIVE DOOR STILE

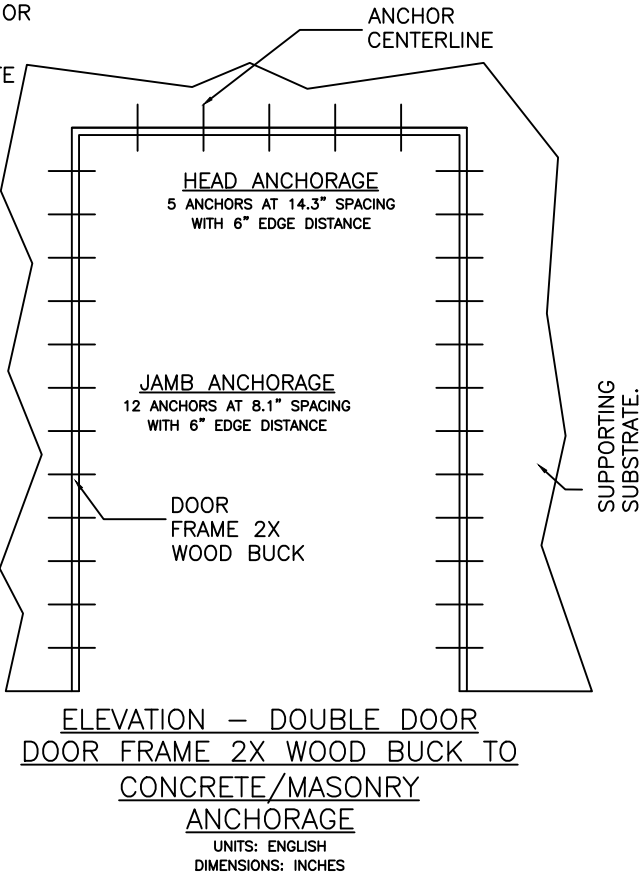
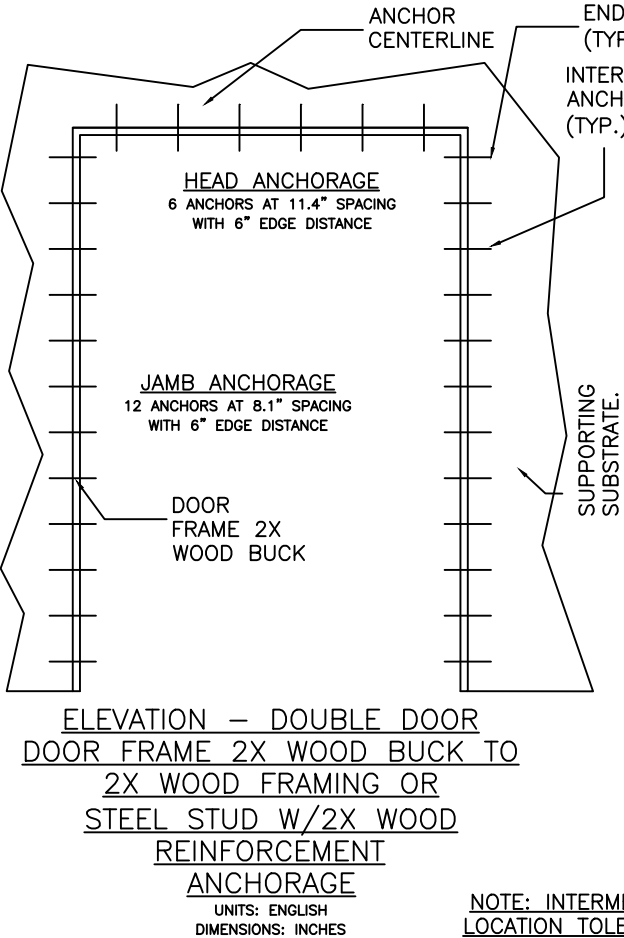
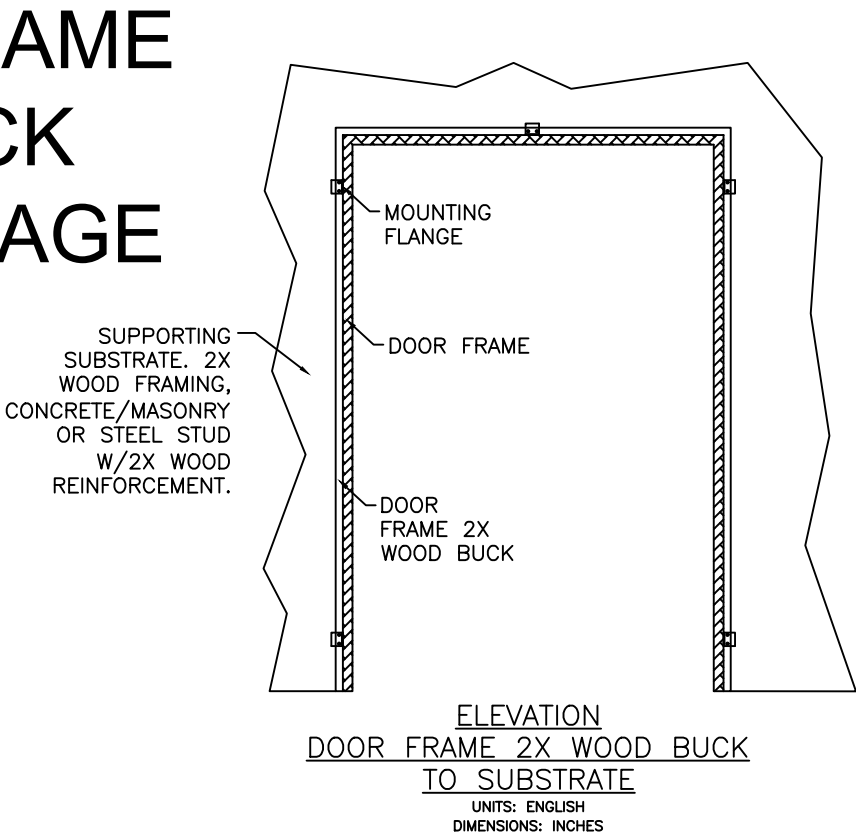


ITEM 8
KERF PERIMETER WEATHER-STRIP
MEETING STILE OF DOOR LEAFS AND ALL MEMBERS OF FRAME AT HEAD & JAMBS

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



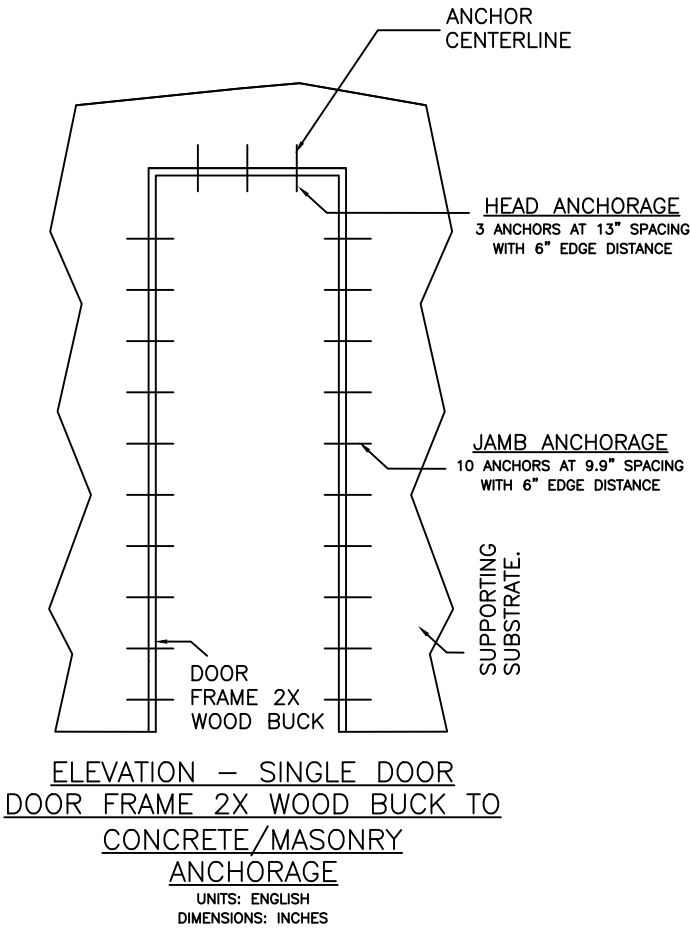
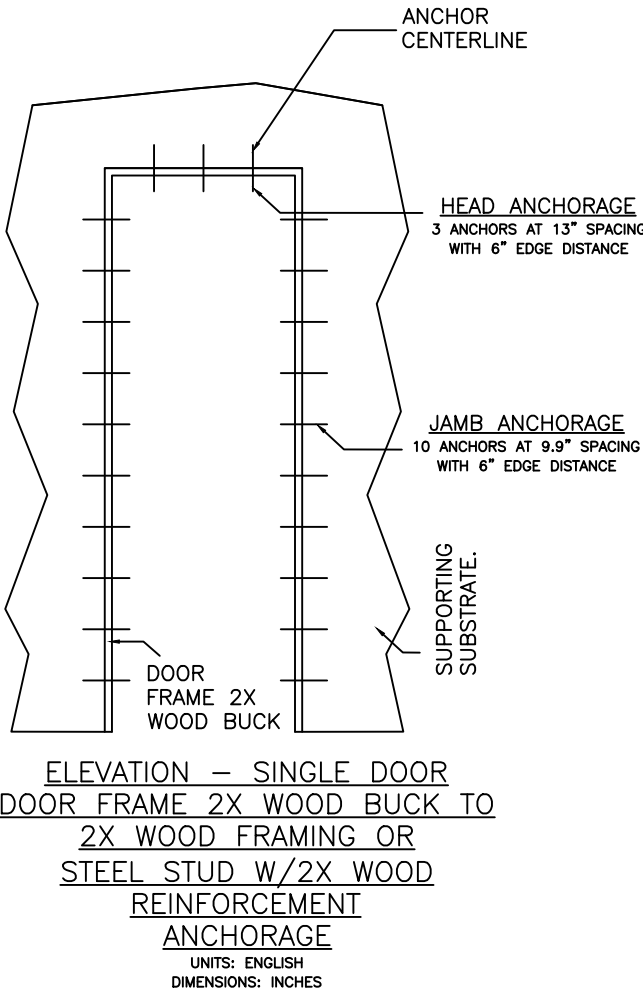
DOOR FRAME
2X BUCK
ANCHORAGE



NOTE: INTERMEDIATE ANCHOR
LOCATION TOLERANCE TO AVOID
ATTACHMENT CLIP LAG SCREW
+/- 3 INCHES

DOOR FRAME 2X BUCK ANCHORAGE

- 1. A MINIMUM 2X WOOD BUCK SHALL BE ATTACHED TO DOOR OPENING SUPORTING SUBSTRATE TO ALLOW FOR ATTACHMENT CLIP (DETAIL E) ANCHORAGE TO 2X WOOD BUCK SHOWN IN SECTIONS A AND B ON SHEET 5.
- 2. FOR DIRECT ATTACHMENT TO 2X WOOD FRAMING THAT IS PART OF THE MAIN WIND FORCE RESISTING SYSTEM OF THE OPENING, A 2X WOOD BUCK IS OPTIONAL.
- 3. ANCHORAGE BASED ON 66" X 98" DOUBLE DOOR AND 35" X 98" SINGLE DOOR FRAME WIDTH AND HEIGHT ARE SHOWN ON THIS SHEET.
 - 3.1. TOTAL QUANTITY OF ANCHORS WITH 6" MAXIMUM EDGE DISTANCE AND VARIOUS ON CENTER SPACINGS ARE DEPICTED FOR THE FOLLOWING.
 - 3.1.1. ANCHOR TYPE
 - 3.1.1.1. CONCRETE SCREW
 - 3.1.1.2. WOOD SCREW
 - 3.1.2. SUBSTRATE TYPE
 - 3.1.2.1. CONCRETE/MASONRY
 - 3.1.2.2. 2X WOOD FRAMING
 - 3.1.2.3. STEEL STUD WITH 2X WOOD REINFORCEMENT
 - 3.2. FOR DOOR WIDTHS OR HEIGHTS LESS THAN THAT SHOWN, THE REQUIRED NUMBER OF ANCHORS CAN BE REDUCED WHEN THE ON CENTER SPACING IS REDUCED TO 50% OF THE SPACING SHOWN.
- 4. ONE (1) ANCHOR REQUIRED PER LOCATION SHOWN.
- 5. SEE ANCHOR SCHEDULE ON SHEET 7 FOR ANCHOR TYPES.



PROJECT # 419-1109

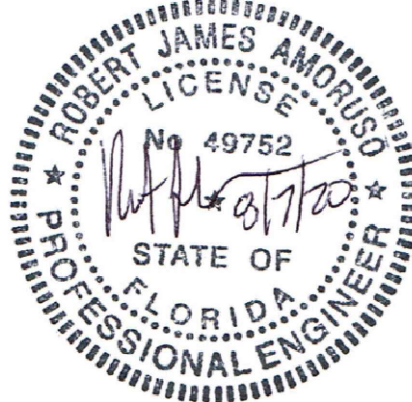
SCARDINO DOORS, LLC
987 CHATTAHOOCHEE AVE. NW, SUITE B
ATLANTA, GA 30318

TITLE: INSWING FRENCH STEEL EXTERIOR HINGED XX & X DOOR
DOOR FRAME 2X BUCK ANCHORAGE

DATE:	9/5/16	DRAWING NO:	SCAR0001	SHEET:	8 OF 9
DRAWN BY:	RJA	SCALE:	N.T.S.	REV:	A
PREPARED BY:					

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INSTALLATION ANCHOR SCHEDULE								
INSTALLATION TYPE	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME ANCHORS	ANCHOR CAPACITIES BASED ON
STEEL DOOR FRAME TO WOOD BUCK/FRAME	HEX HEAD	3/8"	WOOD	ANSI/ASME B18.2.1 (2) LAG SCREW GRADE 2 EQUIVALENT	2 3/8 **	3/4 *	1 1/2 ***	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42. SG = 0.55 required for HVHZ.
WOOD BUCK TO SUPPORTING SUBSTRATE	FLAT HEAD	1/4"	CONCRETE	ITW TAPCONS (1)	1 1/2	1 1/2	4	MIN. 2500 PSI CONCRETE
				ELCO ULTRACONS	1 3/8	1	4	MIN. 2500 PSI CONCRETE
			MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1	2	4	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42. SG = 0.55 required for HVHZ.
				ELCO ULTRACONS	1 1/4	2 1/2	6	
	FLAT HEAD	No. 14	WOOD	ANSI B18.6.1(2) WOOD SCREW GRADE 5 EQUIVALENT	1 1/2	1	3	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42. SG = 0.55 required for HVHZ.
				ANSI B18.6.4(2) TAPPING SCREW GRADE 5 EQUIVALENT				
	FLAT HEAD	No. 14	STEEL STUD BACKED WITH 2X WOOD REINFORCEMENT	ANSI B18.6.4(2) TAPPING SCREW GRADE 5 EQUIVALENT	1 1/2 SCREW SHALL PENETRATE STEEL STUD AND FULLY EMBED INTO 2X WOOD SUBSTRATE	1	3	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42. SG = 0.55 required for HVHZ.
	NOTES: 1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE. 2) FOR WOOD AND TAPPING INSTALLATION INTO WOOD SUBSTRATE, PILOT HOLES SHALL BE DRILLED WHERE SPLITTING IS A CONCERN. FOR LAG SCREW INSTALLATION, PILOT HOLES <u>ARE REQUIRED</u> . SEE TABLE BELOW FOR PILOT HOLE SIZES.							
* At 2X Wood Door Buck Installation Only. See Sheet 5 Section Views.								
** Minimum Embedment will be achieved with 2-1/2" long lag screw through 4mm (0.158") thick mounting flange into 2X wood installation buck.								
*** A 1 1/2" Minimum Spacing is maintained at the mounting flange clips with a 42mm (1.65") hole spacing as shown in Detail E on sheet 4.								

WOOD, TAPPING AND LAG SCREW PILOT HOLES FOR WOOD SUBSTRATE INSTALLATION								
SCREW TYPE	SIZE	MIN. EDGE DISTANCE	MIN. EMBEDMENT	O.C. SPACING (MIN.)	SG = 0.55		SG = 0.42	
					DRILL SIZE (IN)	PH - DRILL SIZE	DRILL SIZE (IN)	PH - DRILL SIZE
LAG	3/8"	3/4" *	2 3/8" **	1 1/2" ***	.234	A	0.169	18
WOOD	NO. 14	1	1 1/2	3	0.149	25	0.149	25
TAPPING	NO. 14	1	1 1/2	3	0.161	20	0.161	20
* At 2X Wood Door Buck Installation Only. See Sheet 5 Section Views.								
** Minimum Embedment will be achieved with 2-1/2" long lag screw through 4mm (0.158") thick mounting flange into 2X wood installation buck.								
*** A 1 1/2" Minimum Spacing is maintained at the mounting flange clips with a 42mm (1.65") hole spacing as shown in Detail E on sheet 4.								

PROJECT # 419-1109

SCARDINO DOORS, LLC
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ATLANTA, GA 30318

TITLE: INSWING FRENCH STEEL EXTERIOR HINGED XX & X DOOR ANCHOR SCHEDULE

PREPARED BY: RJA

DRAWN BY: RJA

DATE: 9/5/16

SCALE: N.T.S.

DRAWING NO: SCAR0001

SHEET: 9 OF 9

REV: A

8/7/2020

REVISED PRODUCT NAME

DESCRIPTION

DATE

BY

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