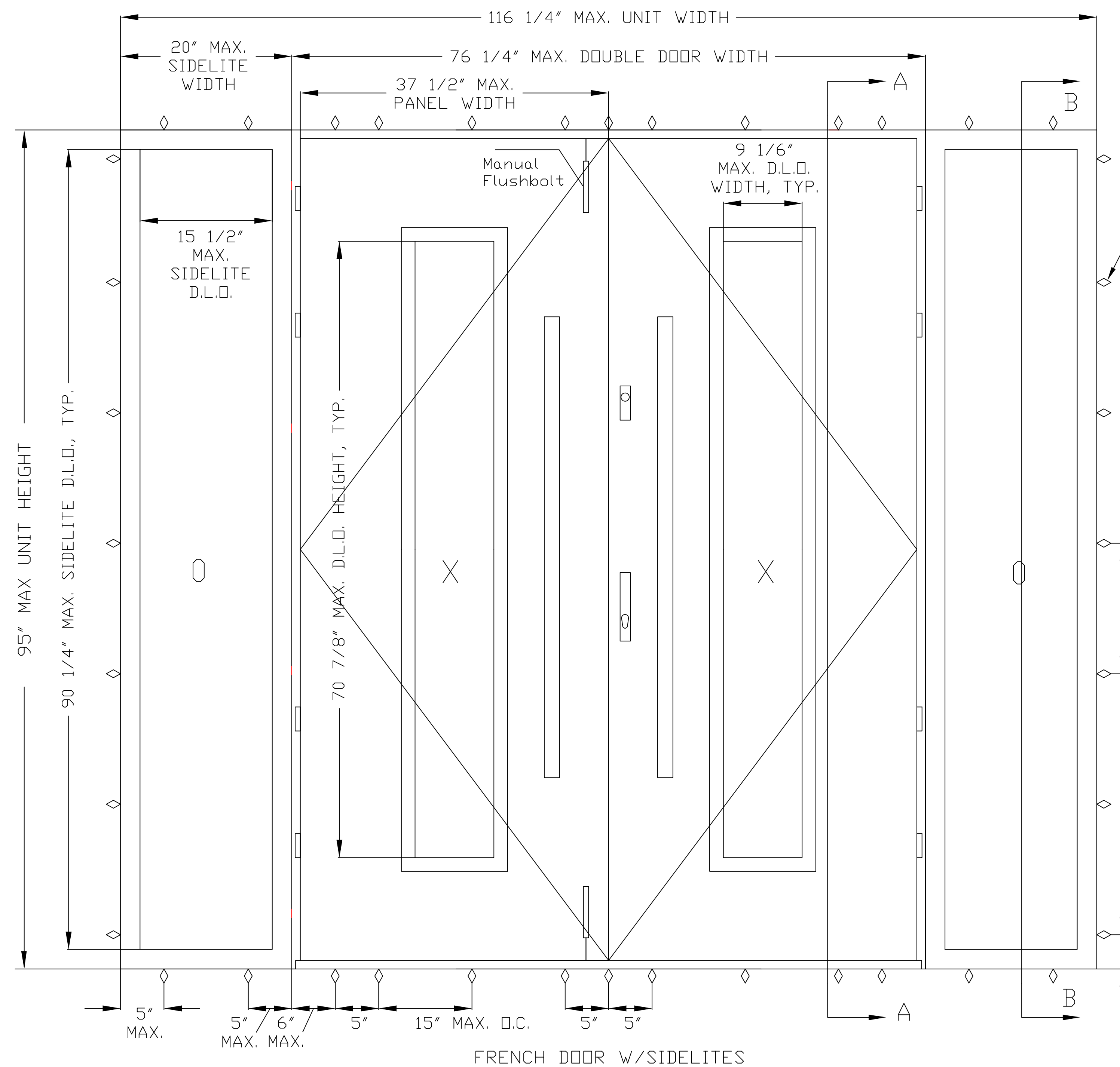


OUTSWING DOOR & SIDELITE - LARGE MISSILE IMPACT



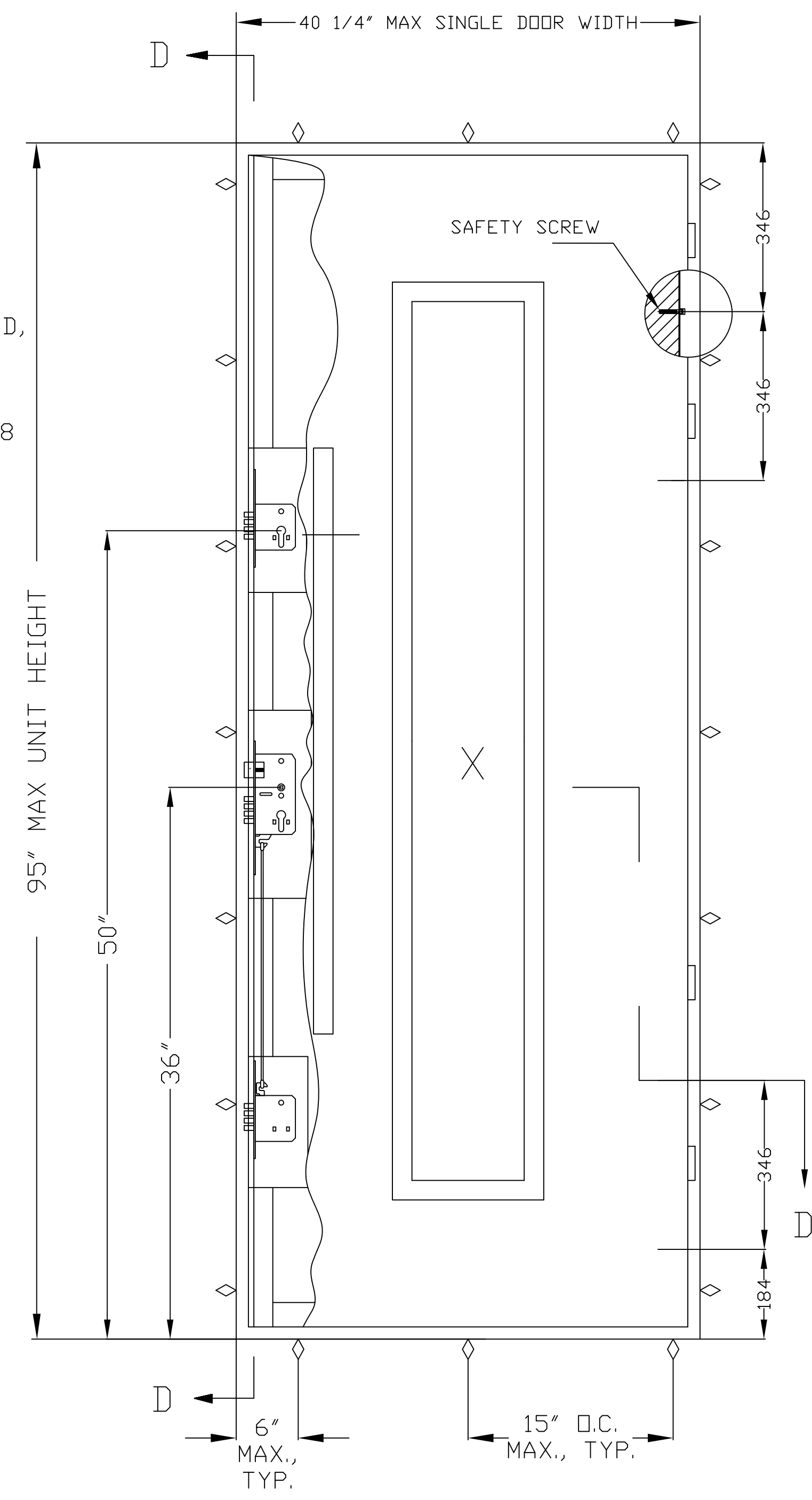
FRENCH DOOR W/SIDELITES

HEAD ANCHOR SPACING SAME AS SILL

ANCHOR LOC., TYP.: THROUGH ANCHOR STRAP AT DOOR HEAD, THROUGH FRAME AT SIDELITE AND DOOR SILL. SEE TABLE 1, SHT 8

15\"/>

4\"/>



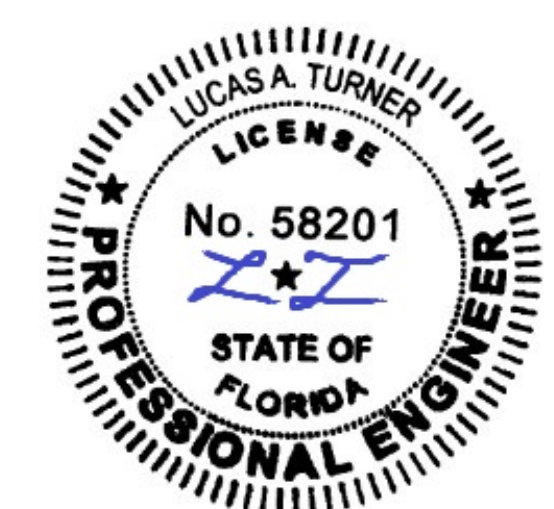
SINGLE DOOR

GENERAL NOTES:

1. THIS PRODUCT AS SHOWN AND GLAZED IN THIS DRAWING, IS LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS, WITH SQUARE TUBES ATTACHED AS SHOWN ON SHEET 6. THE PULL HANDLES INDICATED ON OPERABLE LEAVES MUST BE REMOVED AND REPLACED WITH THE SQUARE TUBES AS INDICATED ON SHEET 6 PRIOR TO EXPOSURE TO SEVERE WEATHER. THIS PRODUCT HAS BEEN TESTED TO TAS201/202/203-94, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION, INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
2. ALLOWABLE CONFIGURATIONS ARE X, O, XX, XO, OX, OXD, XXO, OXX, AND OXO. X INDICATES OPERABLE LEAF, O INDICATES FIXED SIDELITE. FOR FULL PRODUCT CONSTRUCTION DETAILS SEE ATI/INTERTEK TEST REPORT G3831.01-525-18-r1. FRAMES WELDED, PANELS ASSEMBLED WITH TIE RODS.
3. THE DESIGN PRESSURE RATINGS IN THIS DRAWING (ASD) ARE AS LIMITED BY ASTM E-1300 GLASS CALCULATIONS, TESTED WATER, STRUCTURAL, AND CYCLIC PRESSURES.
4. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
5. THE OPENING SUBSTRATE MATERIALS (FRAMING, MASONRY, BUCKS) AND ATTACHMENT OF BUCKS TO THE SUBSTRATE ARE BY OTHERS AND SHALL BE VERIFIED BY THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE.
6. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.
7. INSTALL PRODUCTS WITH MAXIMUM SHIM GAP, MINIMUM EDGE DISTANCE AND EMBEDMENT, AND WITH FASTENER TYPE AS SHOWN IN THESE DRAWINGS. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.
8. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE NOT ADDRESSED BY THIS DOCUMENT.

TYPE	DESIGN PRESSURE RATING	IMPACT RATING
SINGLE DOOR	+/- 60 PSF	LARGE MISSILE IMPACT
DOUBLE DOOR		
SIDELITE		

General Notes



8/21/2023
 LUCAS TURNER
 FL PE 58201
 TURNER ENGINEERING & CONSULTING, INC.,
 2428 OLD NATCHEZ TRACE TRL.
 CAMDEN, TN, 38320
 PH 941-380-1574

No.	Revision/Issue	Date

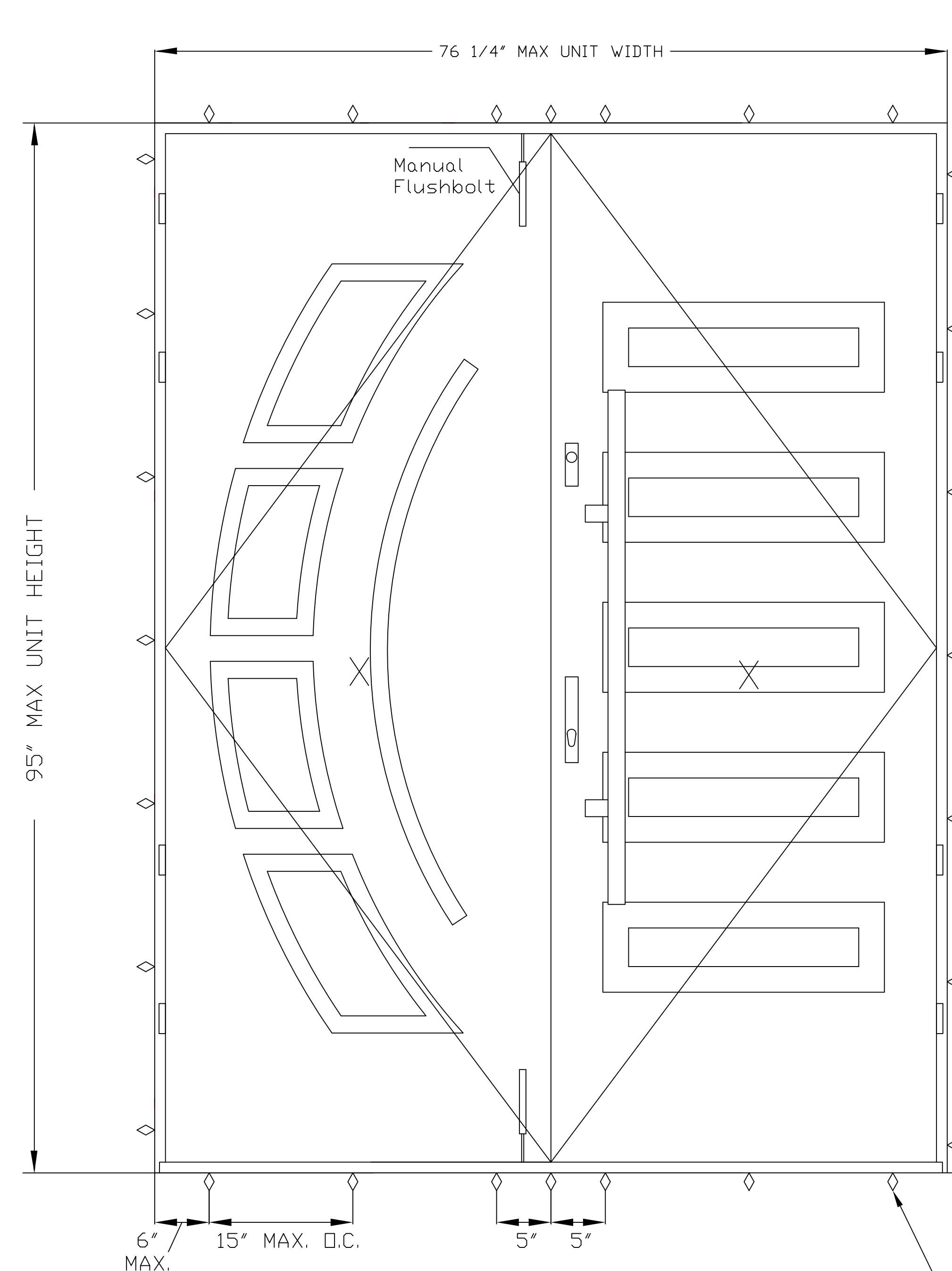
Firm Name and Address

VILLE DOORS
 102 JOHN STR.
 HACKENSACK NJ
 07601
www.villedoors.com

Project Name and Address

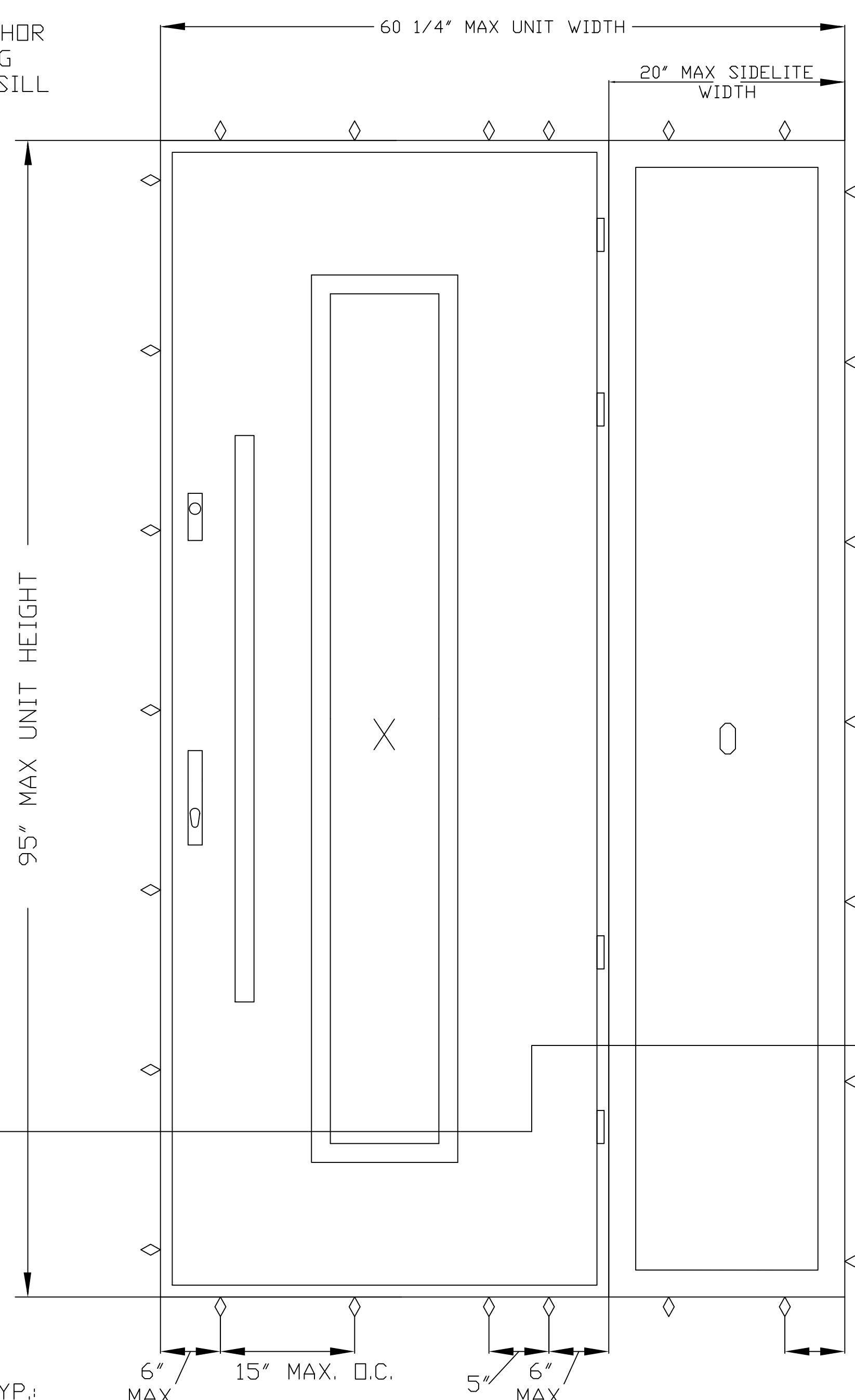
FPA-VilleDoor-SL

Project	Sheet
Date 02/16/2015	1
Scale custom	



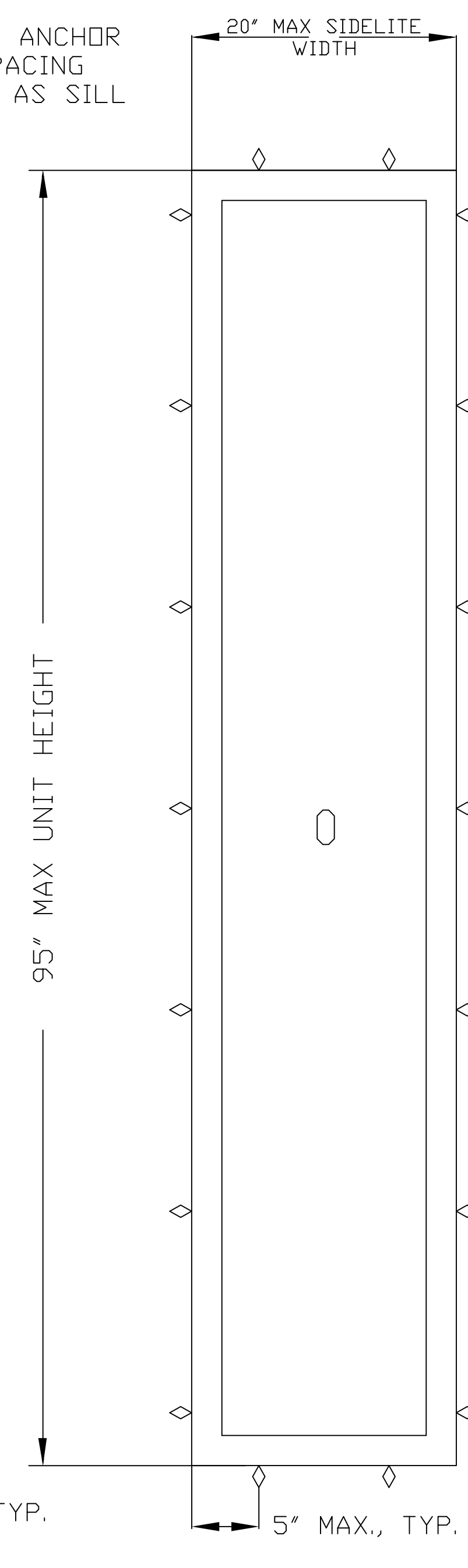
FRENCH DOOR

HEAD ANCHOR SPACING SAME AS SILL



SINGLE DOOR W/SIDELITE

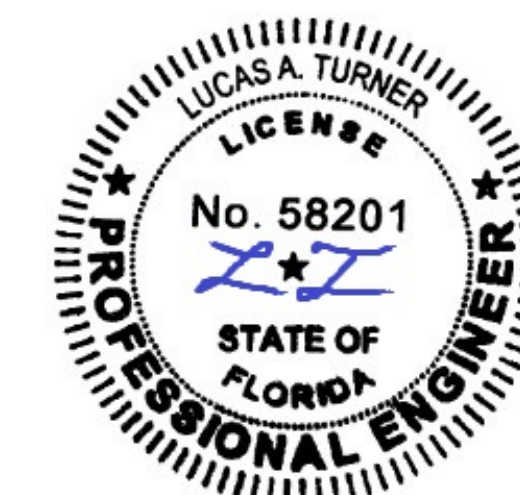
HEAD ANCHOR SPACING SAME AS SILL



SIDELITE

ANCHOR LOC., TYP.: THROUGH ANCHOR STRAP AT DOOR HEAD OR JAMB, THROUGH FRAME AT SIDELITE AND DOOR SILL. SEE TABLE 1, SHT 8

General Notes



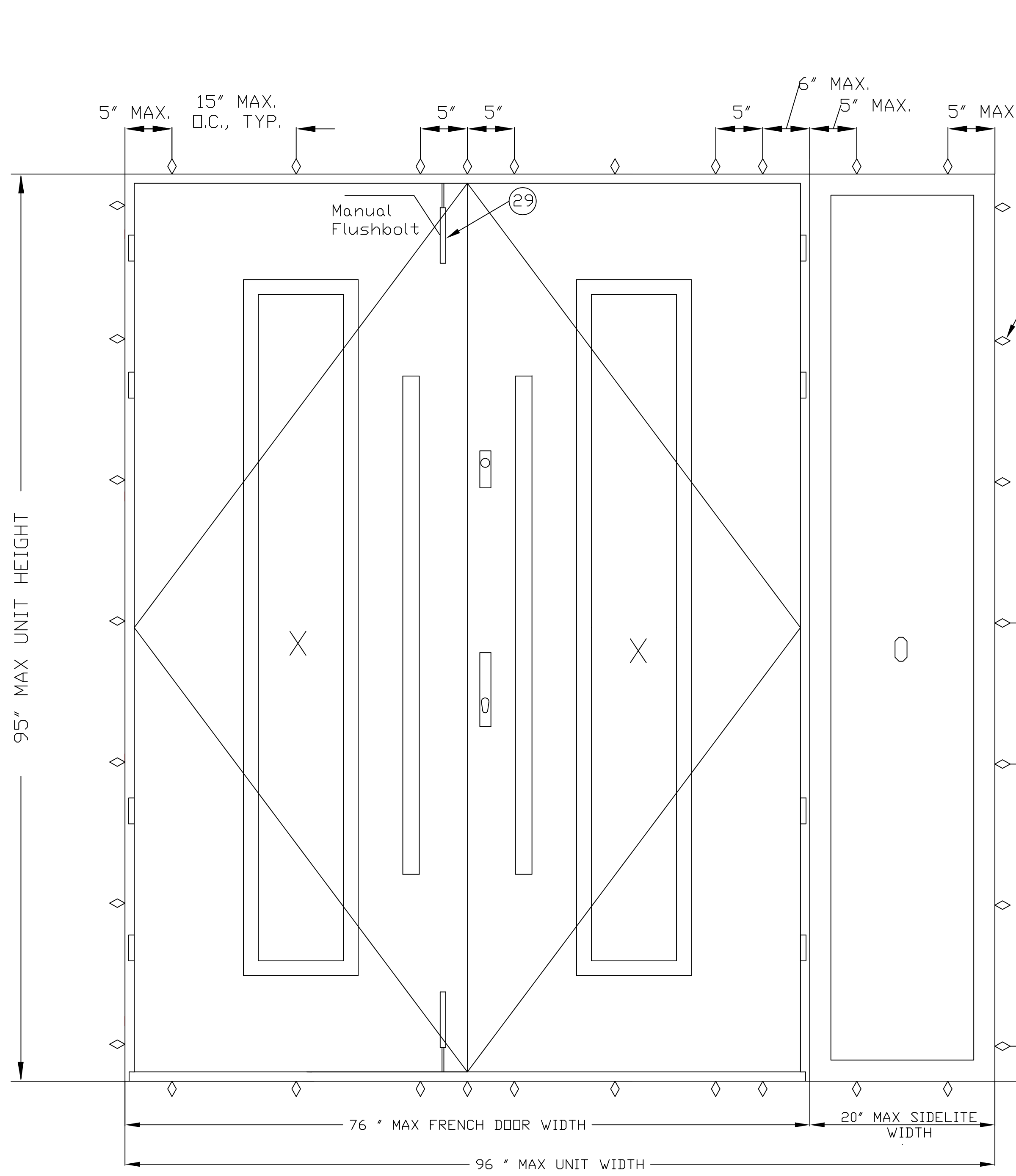
8/21/2023
 LUCAS TURNER
 FL PE 58201
 TURNER ENGINEERING & CONSULTING, INC.,
 2428 OLD NATCHEZ TRACE TRL.
 CAMDEN, TN, 38320
 PH 941-380-1574

No.	Revision/Issue	Date

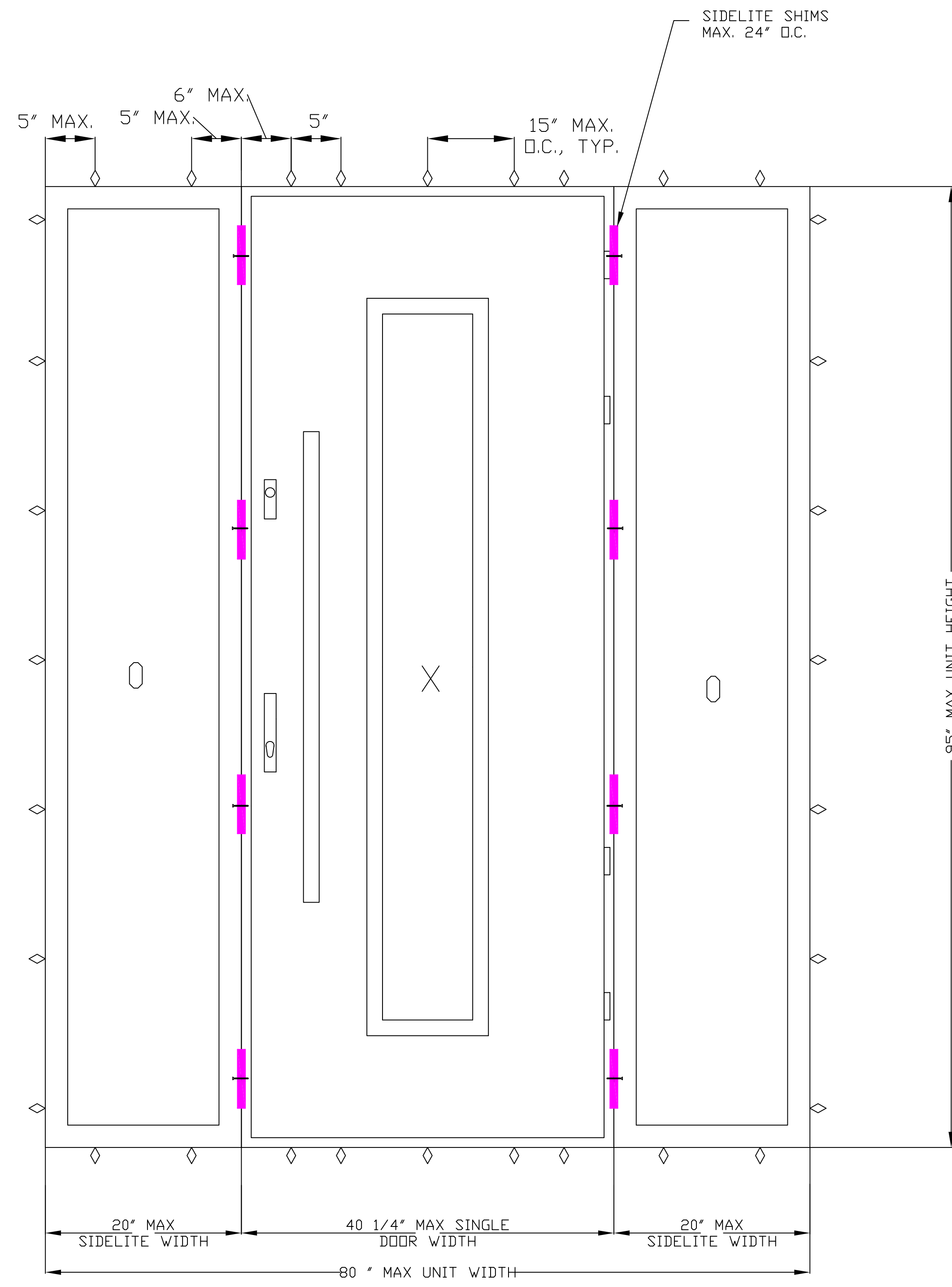
Firm Name and Address
 VILLE DOORS
 102 JOHN STR.
 HACKENSACK NJ
 07601
 www.villedoors.com

Project Name and Address
 FPA-VilleDoor-SL

Project	Sheet
Date 02/16/2015	2
Scale custom	



FRENCH DOOR WITH SIDELITE



SINGLE DOOR W/SIDELITES

NOTES:

1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION INDICATED IN THE ELEVATIONS. SILL MINIMUM SPACING BETWEEN ANY TWO INSTALLATION FASTENERS SHALL BE 4".
2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
3. ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 8.
4. ALL INSTALLATION ANCHORS MUST BE MADE OF OR PROTECTED WITH A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
5. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1, SHEET 8.
6. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND 1X WOOD BUCKS, IF USED, INTO SUBSTRATE. INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE 1X WOOD BUCKS BETWEEN THE PRODUCT AND SUBSTRATE. INSTALLATIONS TO HOLLOW CMU REQUIRE THE USE OF 1X BUCKS BETWEEN THE PRODUCT AND SUBSTRATE. INSTALLATION TO METAL SUBSTRATES REQUIRE FULL EMBEDMENT OF INSTALLATION SCREWS THROUGH THE SUBSTRATE, WITH MINIMUM OF 3 THREADS BEYOND.
7. WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1, SHEET 8. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
8. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS. INDUSTRY RECOMMENDATIONS FOR INSTALLATIONS MAY BE FOUND IN THESE REFERENCE DOCUMENTS: FMA/AAMA 100(FIN WINDOWS), FMA/AAMA 200(FLANGE WINDOWS), FMA/WDMA 250(BOX WINDOWS), FMA/AAMA/WDMA 300(EXTERIOR DOORS)

General Notes



8/21/2023
 LUCAS TURNER
 FL PE 58201
 TURNER ENGINEERING &
 CONSULTING, INC.,
 2428 OLD NATCHEZ
 TRACE TRL.
 CAMDEN, TN, 38320
 PH 941-380-1574

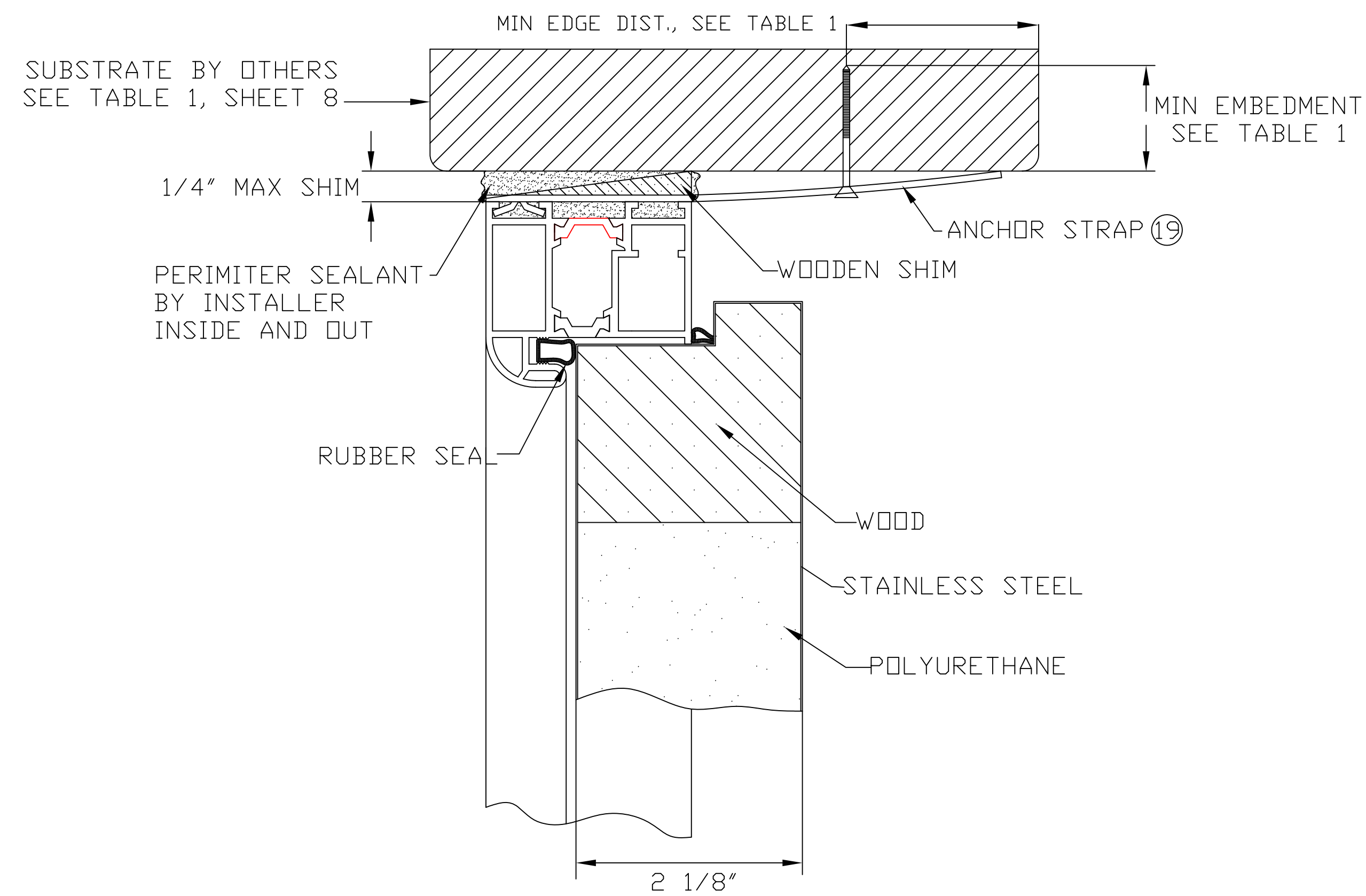
No.	Revision/Issue	Date

Firm Name and Address
 VILLE DOORS
 102 JOHN STR.
 HACKENSACK NJ
 07601
 www.villedoors.com

Project Name and Address
 FPA-VilleDoor-SL

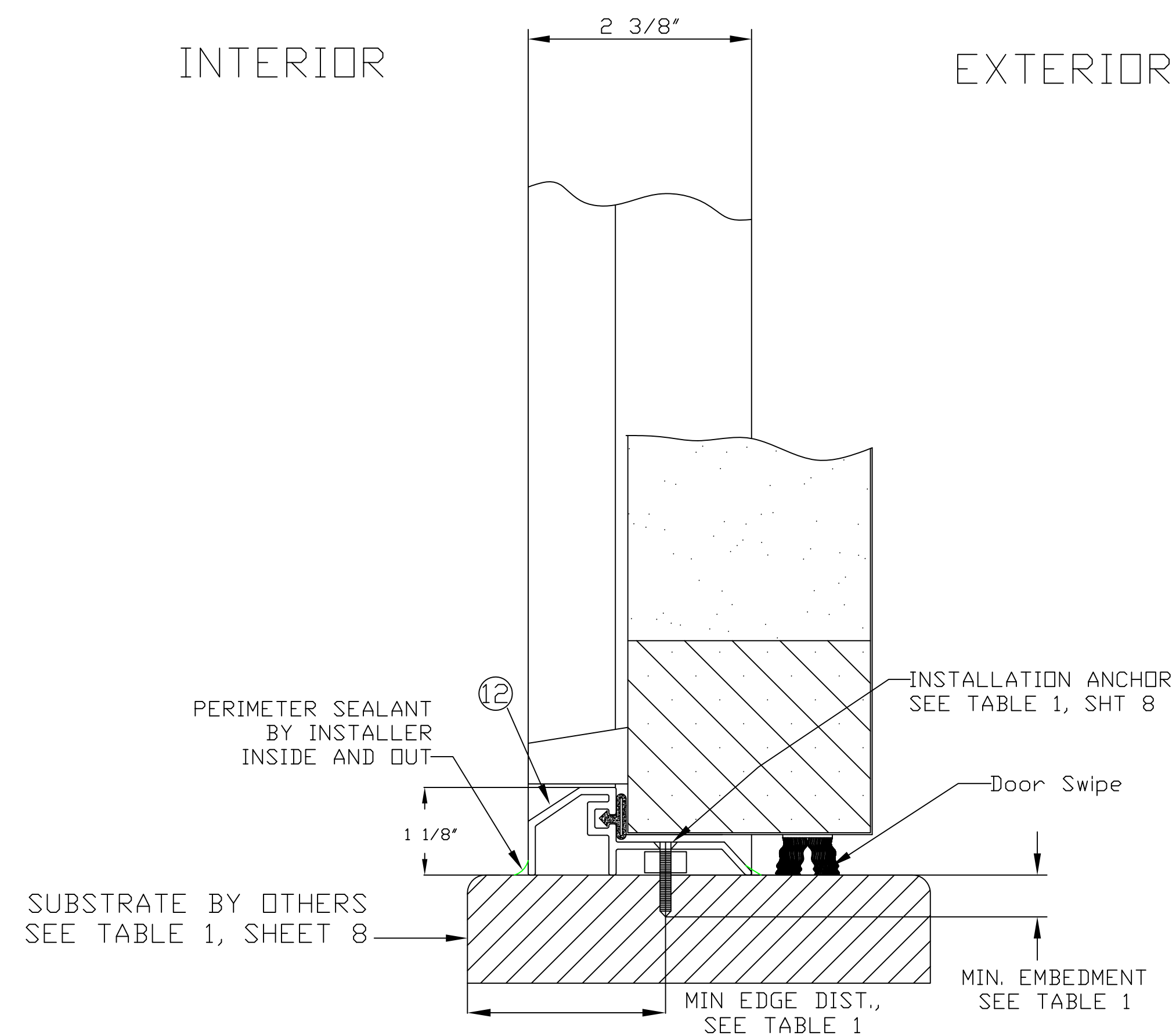
Project	Sheet
Date 02/16/2015	3
Scale custom	

TYPICAL DOOR HEAD ANCHORAGE



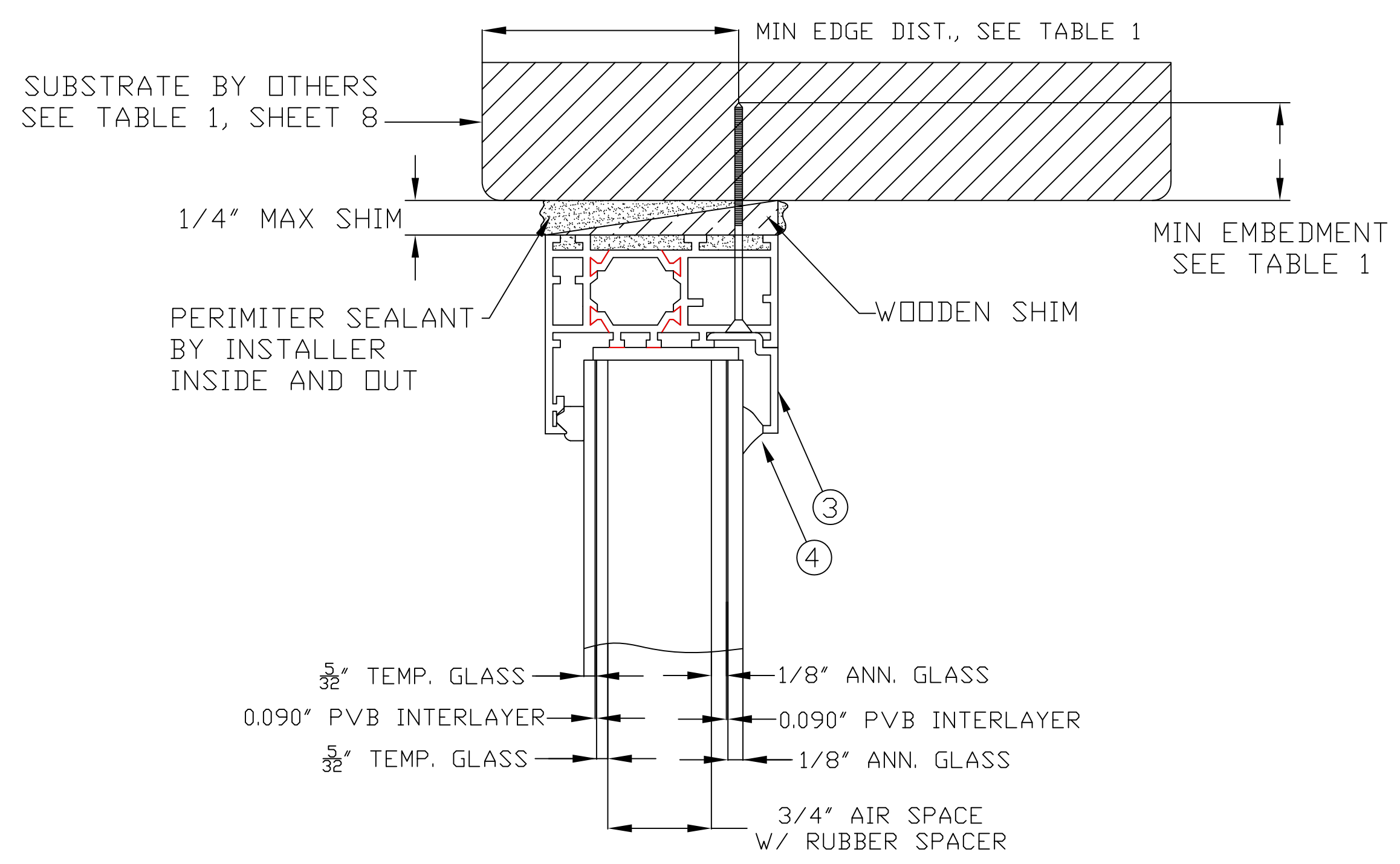
INTERIOR

EXTERIOR



SECTION VIEW A-A
TYPICAL DOOR SILL ANCHORAGE

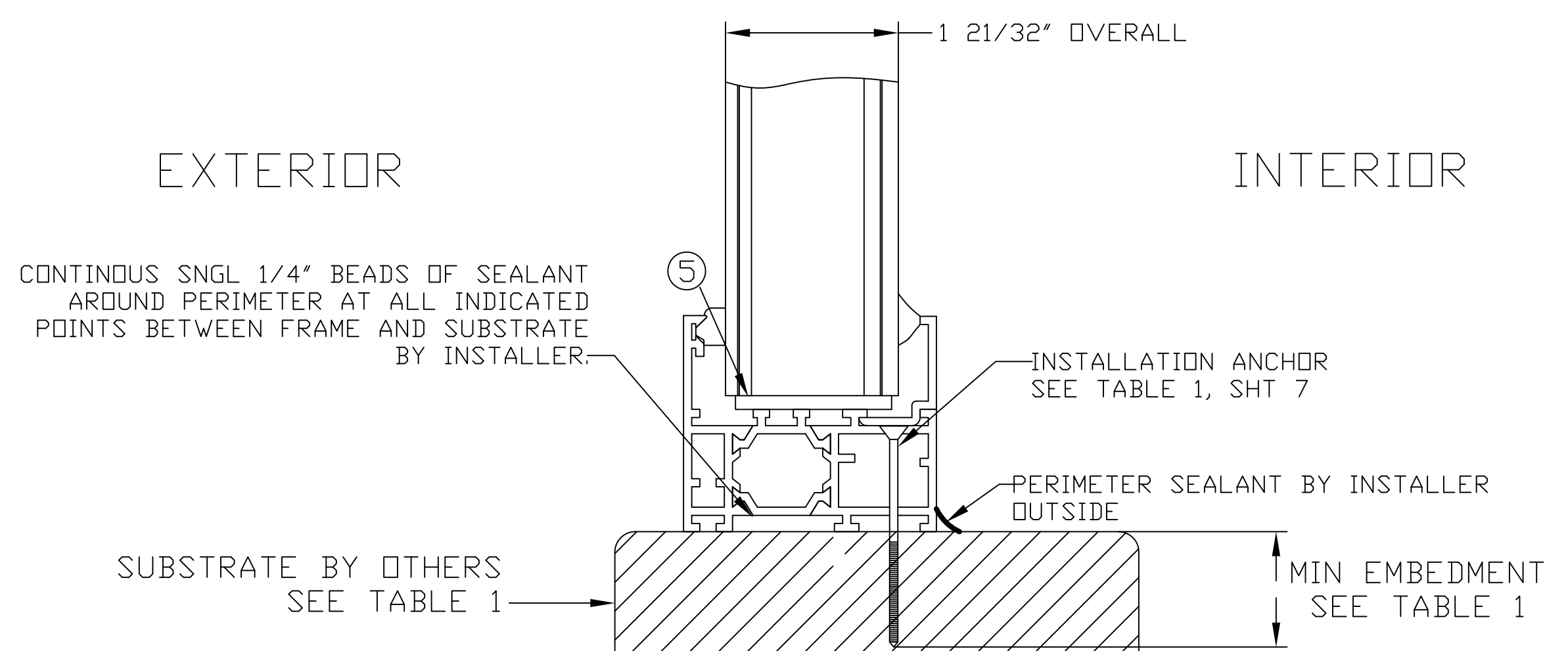
TYPICAL SIDELITE HEAD ANCHORAGE



TYP. GLAZING DET., SIDELITE

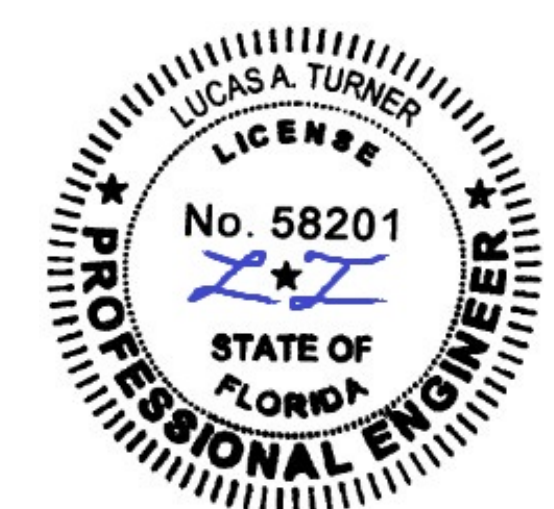
EXTERIOR

INTERIOR



SECTION VIEW B-B
TYPICAL SIDELITE SILL ANCHORAGE

General Notes



8/21/2023
LUCAS TURNER
FL PE 58201
TURNER ENGINEERING &
CONSULTING, INC.,
2428 OLD NATCHEZ
TRACE TRL.
CAMDEN, TN, 38320
PH 941-380-1574

No.	Revision/Issue	Date

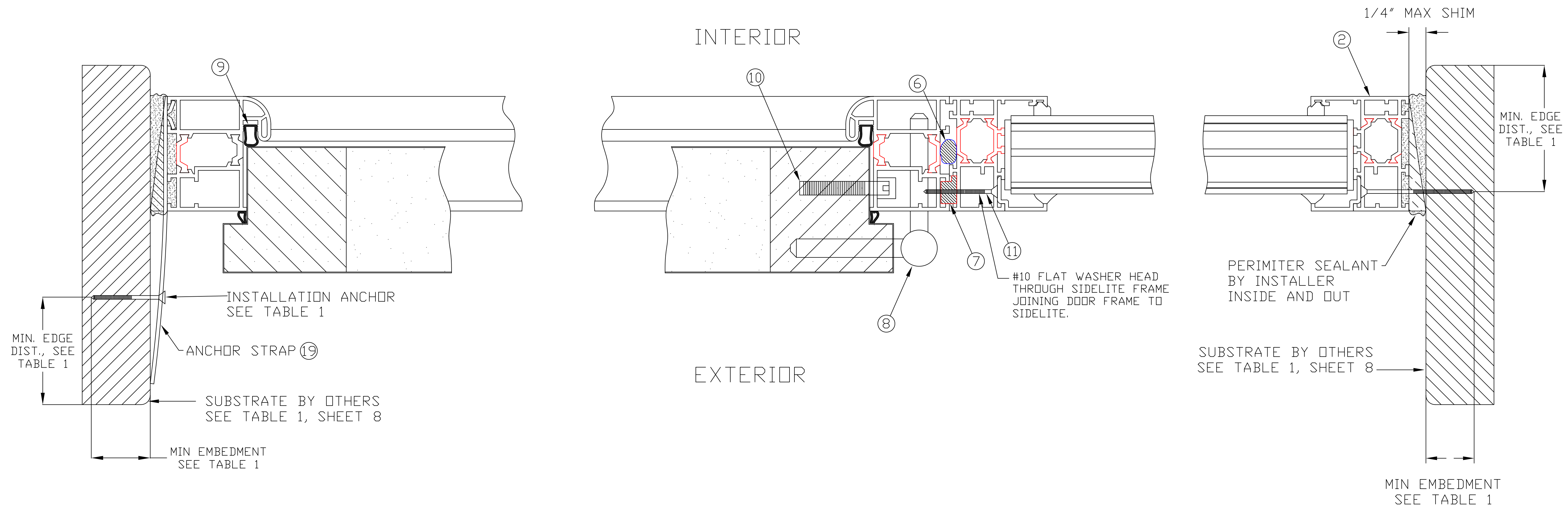
Firm Name and Address
VILLE DOORS
102 JOHN STR.
HACKENSACK NJ
07601
www.villedoors.com

Project Name and Address

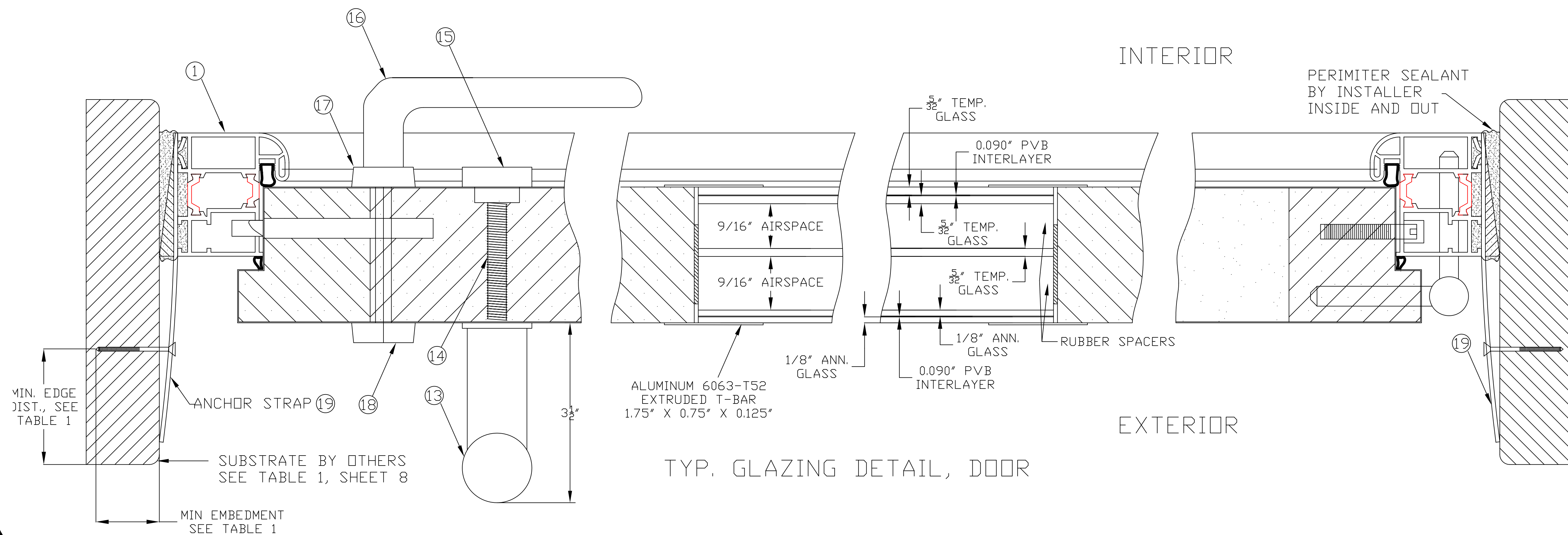
FPA-VilleDoor-SL

Project	Sheet
Date 02/16/2015	4
Scale custom	

HORIZONTAL SECTION VIEW C-C



HORIZONTAL SECTION VIEW D-D



General Notes



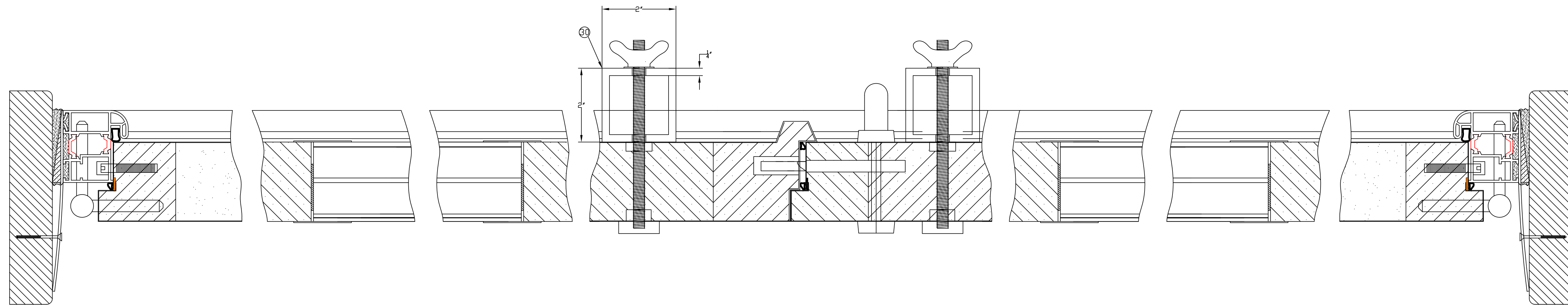
8/21/2023
 LUCAS TURNER
 FL PE 58201
 TURNER ENGINEERING &
 CONSULTING, INC.,
 2428 OLD NATCHEZ
 TRACE TRL.
 CAMDEN, TN, 38320
 PH 941-380-1574

No.	Revision/Issue	Date

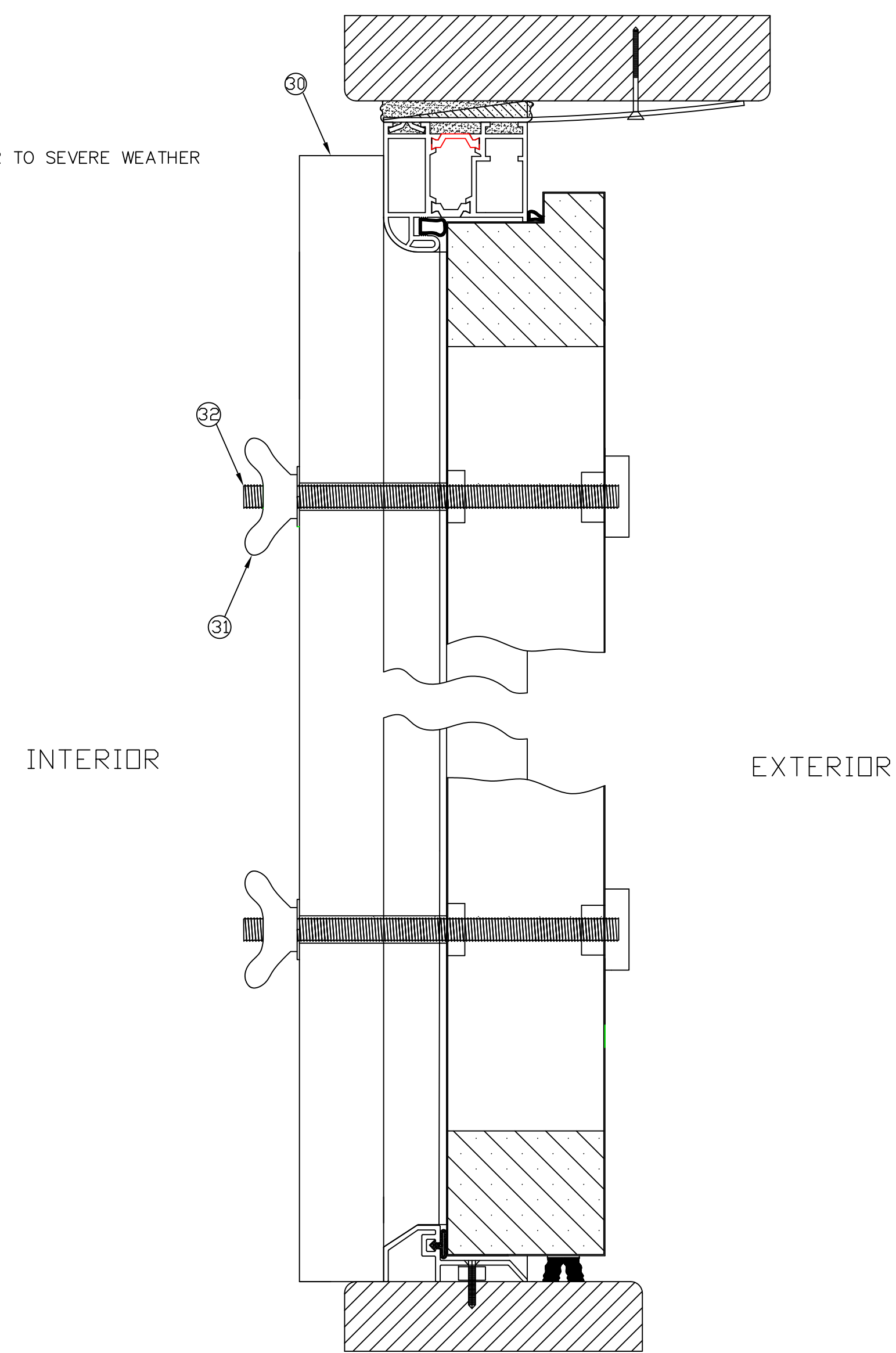
Firm Name and Address
 VILLE DOORS
 102 JOHN STR.
 HACKENSACK NJ
 07601
 www.villedoors.com

Project Name and Address
 FPA-VilleDoor-SL

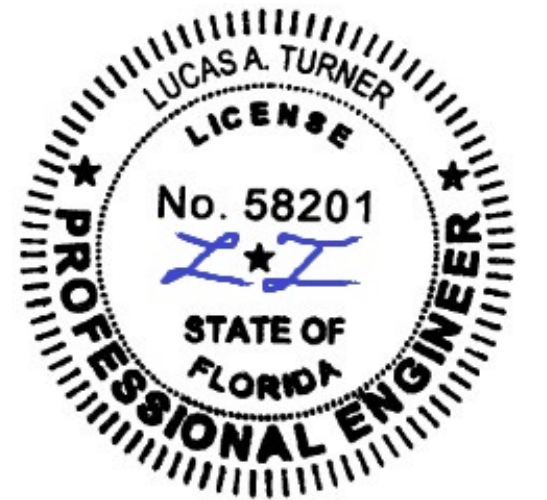
Project	Sheet
Date 02/16/2015	5
Scale custom	



ALUMINUM SQUARE TUBES (BOM ITEM 30) MUST BE INSTALLED ON FRENCH DOORS ONLY PRIOR TO SEVERE WEATHER



General Notes



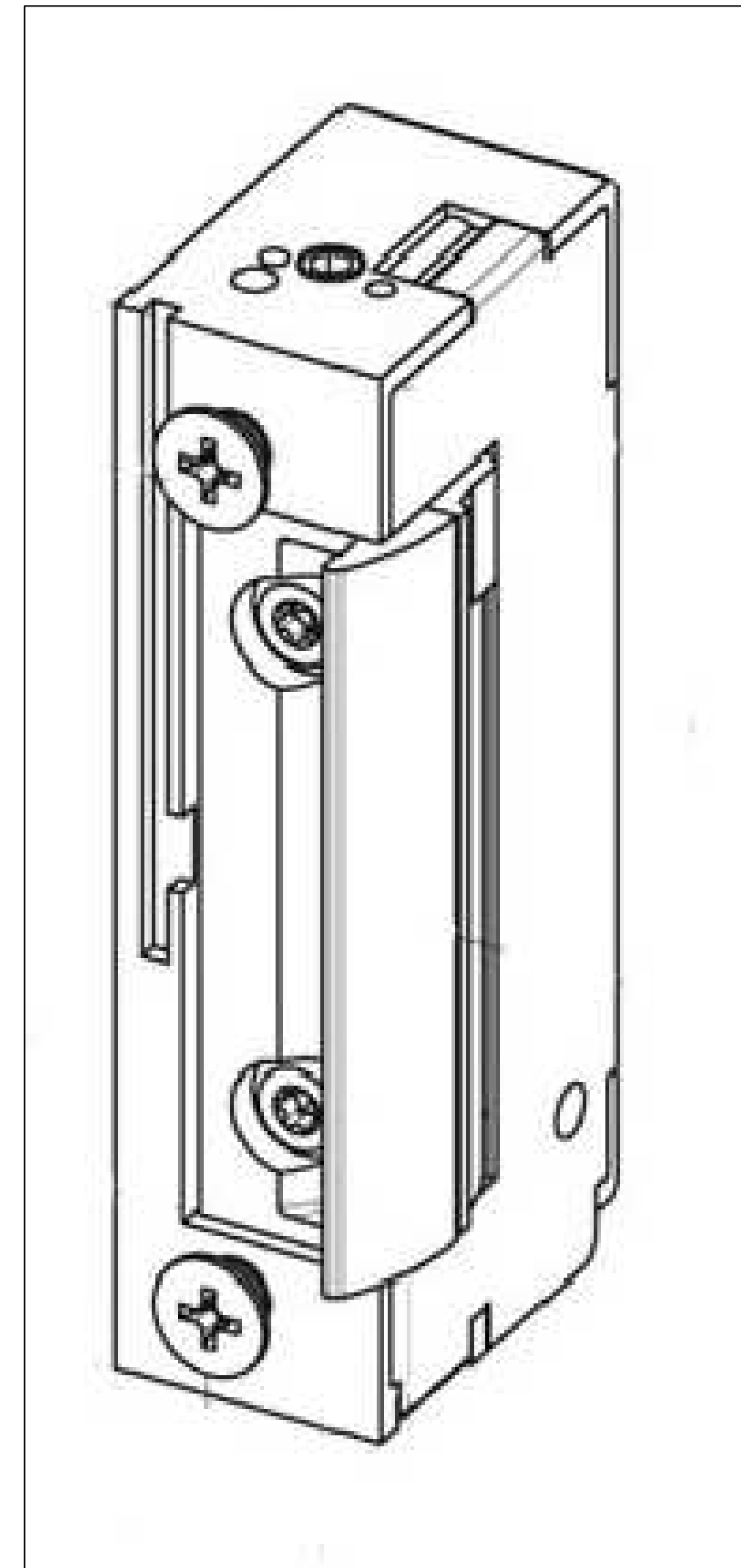
8/21/2023
 LUCAS TURNER
 FL PE 58201
 TURNER ENGINEERING &
 CONSULTING, INC.,
 2428 OLD NATCHEZ
 TRACE TRL.
 CAMDEN, TN, 38320
 PH 941-380-1574

No.	Revision/Issue	Date

Firm Name and Address
 VILLE DOORS
 102 JOHN STR.
 HACKENSACK NJ 07601
 WWW.VILLEDOORS.COM

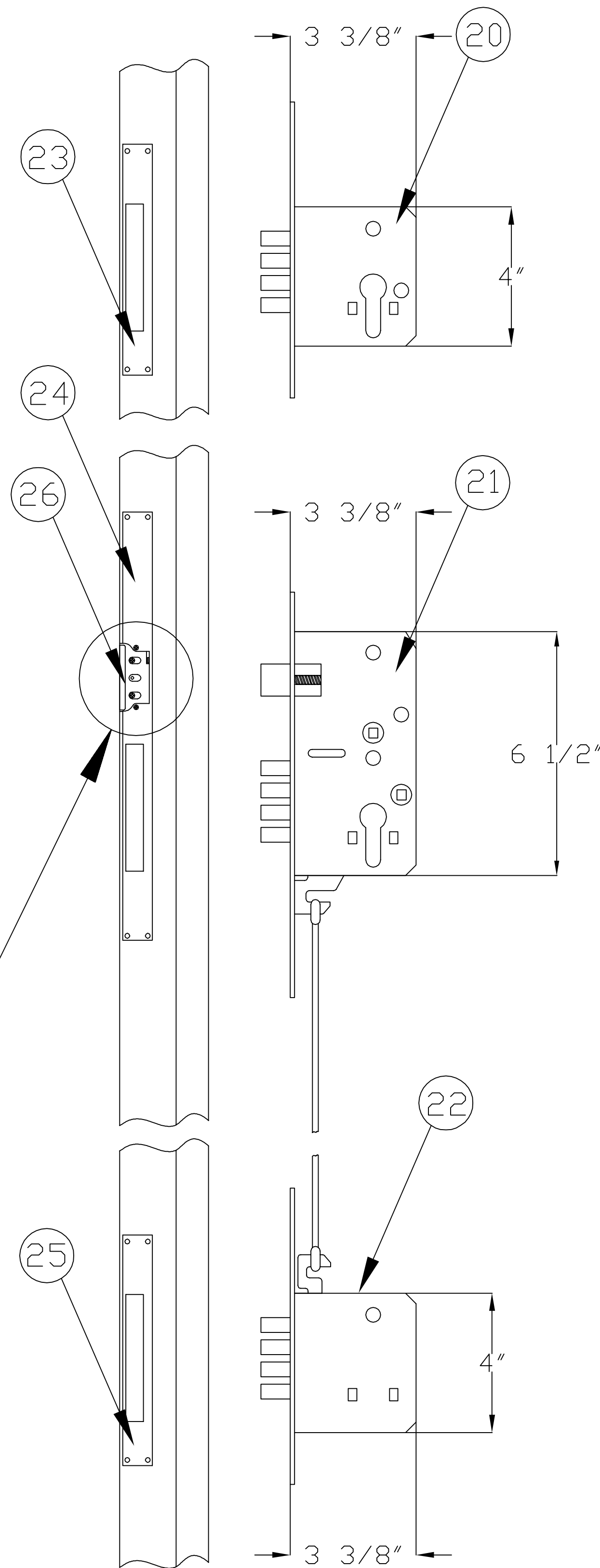
Project Name and Address
 FPA-VilleDoor-SL

Date	11/05/16	Sheet 6
Scale	CUSTOM	

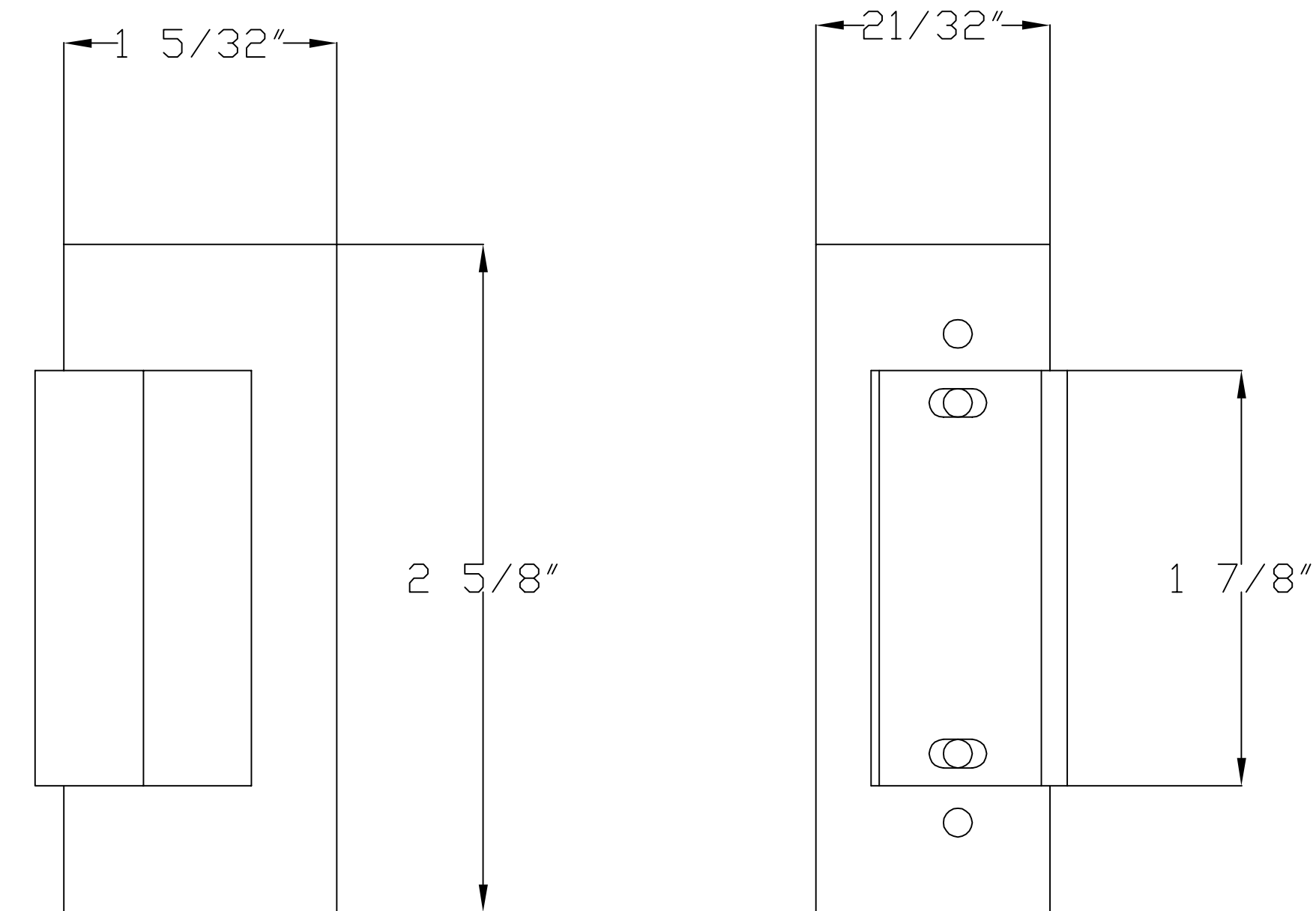


ELECTRIC STRIKE
NOT TO SCALE

SECTION VIEW D-D



ELECTRIC STRIKE
NOT TO SCALE



General Notes



8/21/2023
LUCAS TURNER
FL PE 58201
TURNER ENGINEERING &
CONSULTING, INC.,
2428 OLD NATCHEZ
TRACE TRL.
CAMDEN, TN, 38320
PH 941-380-1574

No.	Revision/Issue	Date

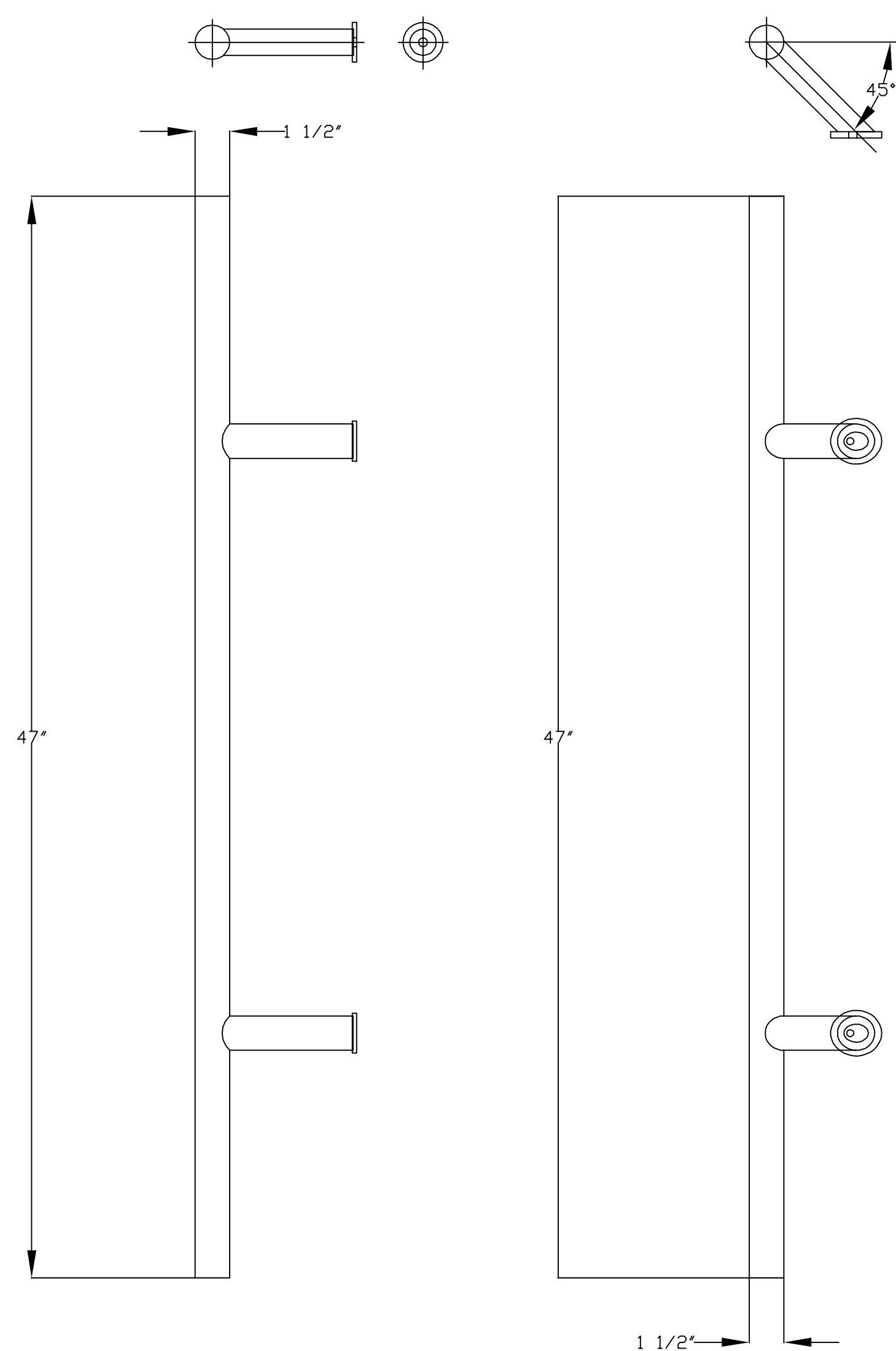
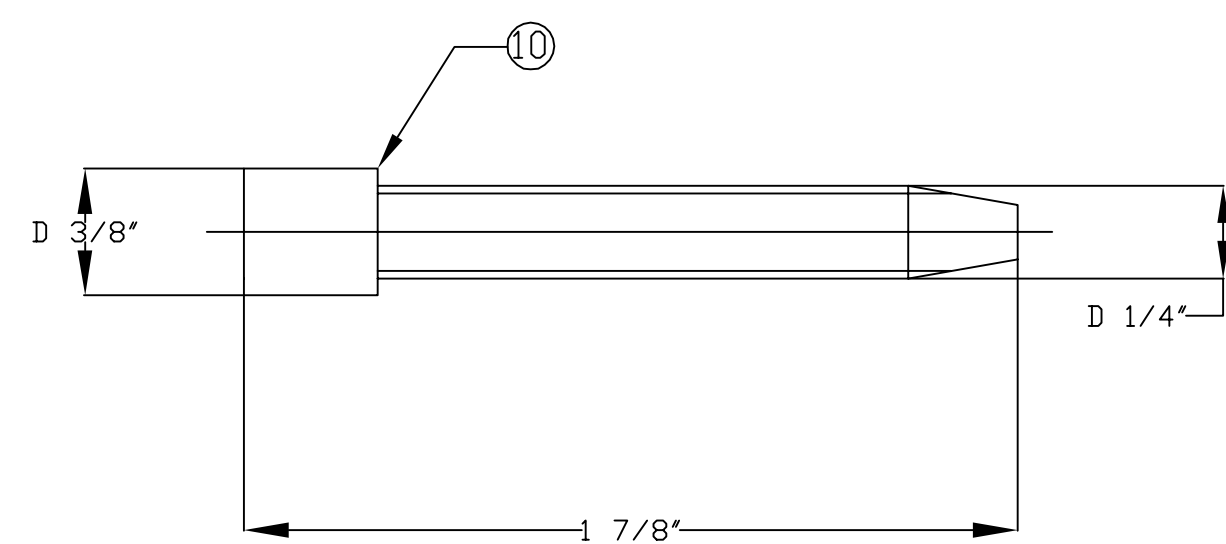
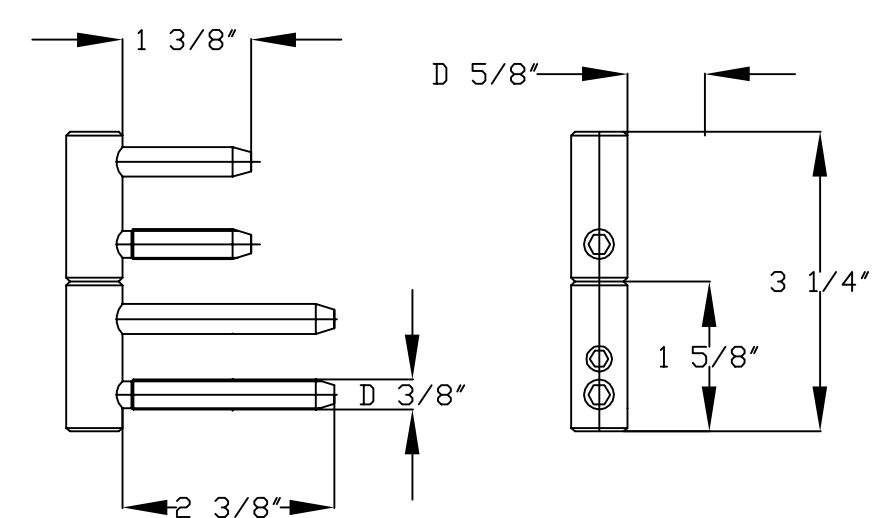
Firm Name and Address
VILLE DOORS
102 JOHN STR.
HACKENSACK NJ
07601
www.villedoors.com

Project Name and Address
FPA-VilleDoor-SL

Project	Sheet
Date 02/16/2015	7
Scale custom	

DOOR HINGE

NOT TO SCALE



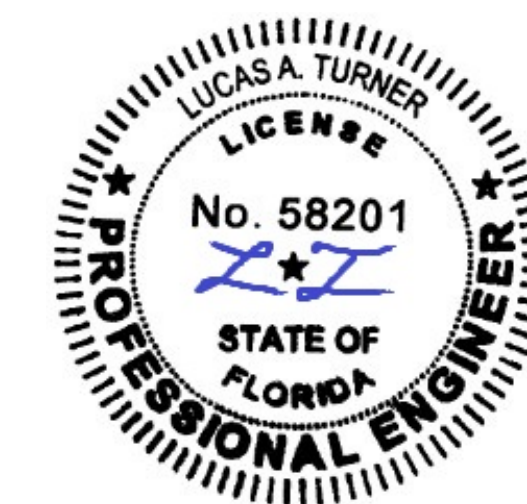
A

B

C

DOOR PULL

General Notes



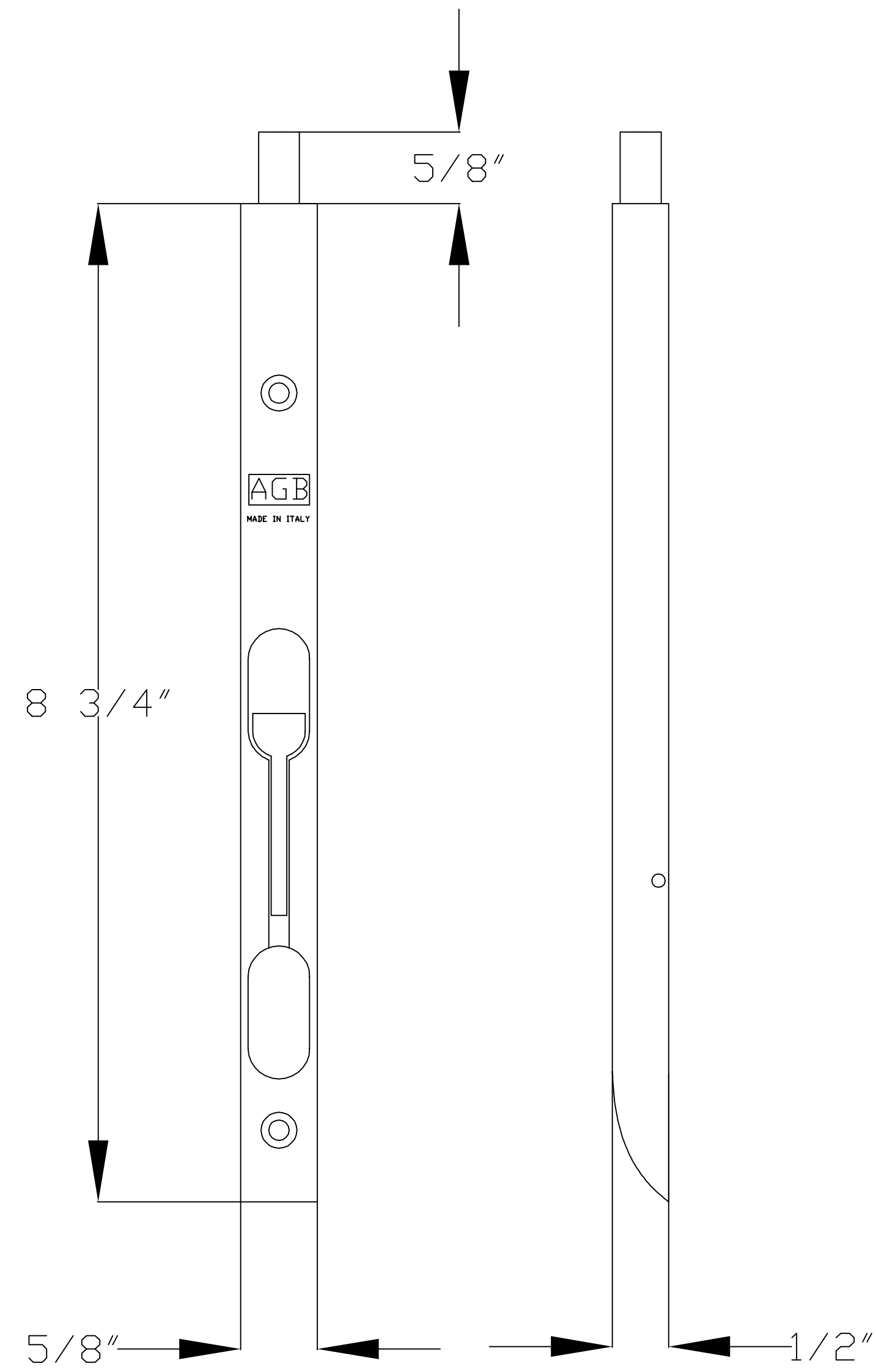
8/21/2023
 LUCAS TURNER
 FL PE 58201
 TURNER ENGINEERING &
 CONSULTING, INC.,
 2428 OLD NATCHEZ
 TRACE TRL.
 CAMDEN, TN, 38320
 PH 941-380-1574

No.	Revision/Issue	Date

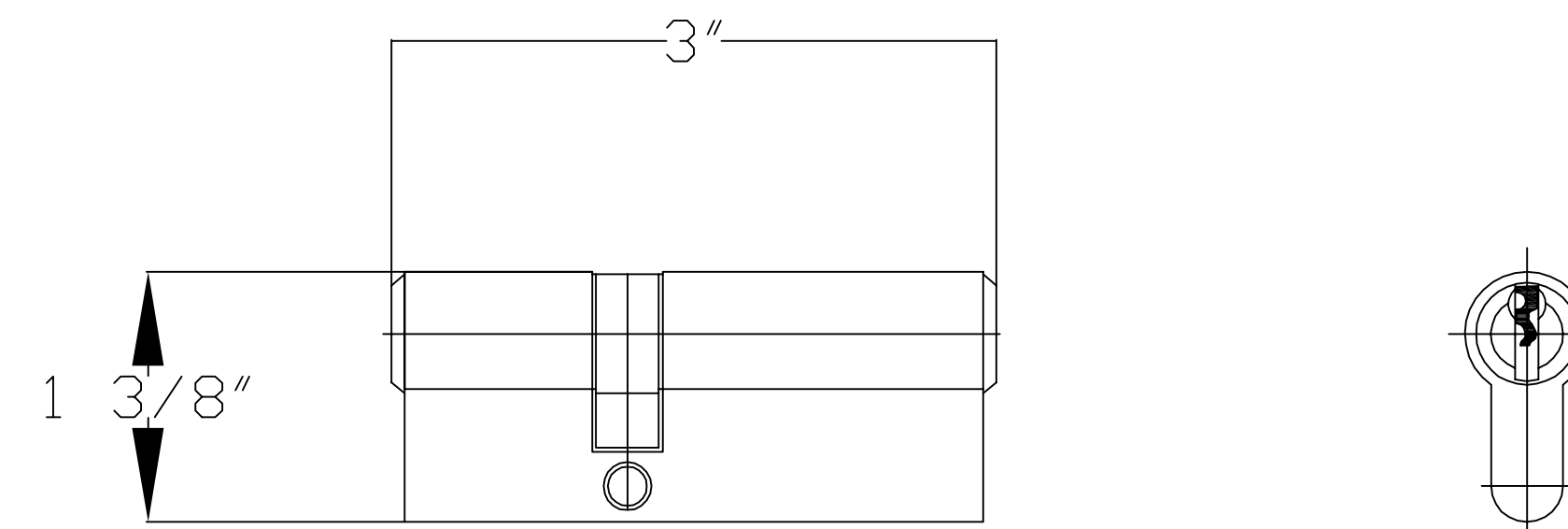
Firm Name and Address
 VILLE DOORS
 102 JOHN STR.
 HACKENSACK NJ
 07601
 www.villedoors.com

Project Name and Address
 FPA-VilleDoor-SL

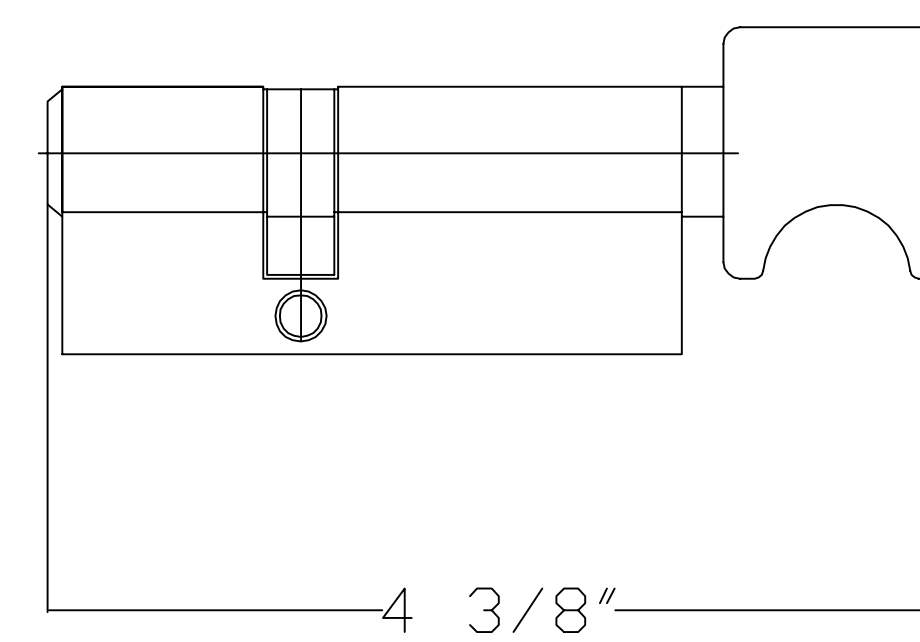
Project	Sheet
Date 02/16/2015	7A
Scale CUSTOM	



MANUAL FLUSH BOLT



CYLINDER LOCK TOP



CYLINDER LOCK BOTTOM

General Notes



8/21/2023
 LUCAS TURNER
 FL PE 58201
 TURNER ENGINEERING &
 CONSULTING, INC.,
 2428 OLD NATCHEZ
 TRACE TRL.
 CAMDEN, TN, 38320
 PH 941-380-1574

No.	Revision/Issue	Date

Firm Name and Address
 VILLE DOORS
 102 JOHN STR.
 HACKENSACK NJ
 07601
 www.villedoors.com

Project Name and Address
 FPA-VilleDoor-SL

Date	02/16/2015	Sheet	7B
Scale	CUSTOM		

PARTS LIST		
ITEM #	ITEM DESCRIPTION	MANUFACTURE / NOTES
1	OPERABLE DOOR JAMB	STROIMIR /ALUMINUM
2	FIXED SIDELITE JAMB	STROIMIR /ALUMINUM
3	GLAZING BEAD	STROIMIR / ALUMINUM
4	GASKET	RUBBER
5	SETTING BLOCK 1/8" X 1 X 2"	STROIMIR / PVC
6	RUBBER FOAM WEATHERSEAL TAPE	FROST KING / POLYURETHANE
7	SIDELITE SHIM	STROIMIR / PVC
8	DOOR HINGE	Qtlav S.p. A. / Stainless Steel
9	WEATHERSTRIP	RUBBER
10	SAFETY PIN	STROIMIR / Stainless Steel
11	#10 x 2-1/2 in. Sheet Metal Screw	EVERBILT / STAINLESS STEEL
12	THRESHOLD	STROIMIR / ALUMINUM
13	DOOR PULL	WIKED / STAINLESS STEEL
14	CONNECTING ROD	STROIMIR / STAINLESS STEEL
15	BAR HANDLE PLUG	STROIMIR / STAINLESS STEEL
16	LEVER HANDLE	WIKED / ALUMINUM
17	LOCK COVER PLATE LEVER SIDE	WIKED / STAINLESS STEEL
18	LOCK COVER PLATE BAR HANDLE SIDE	WIKED / STAINLESS STEEL
19	ANCHOR STRAP	STROIMIR / ALUMINUM
20	MORTISE LOCK TOP	WILKA / Stainless Steel
21	MORTISE LOCK MIDDLE	WILKA / Stainless Steel
22	MORTISE LOCK BOTTOM	WILKA / Stainless Steel
23	STRIKE PLATE TOP	WILKA / Stainless Steel
24	STRIKE PLATE MIDDLE	WILKA / Stainless Steel
25	STRIKE PLATE BOTTOM	WILKA / Stainless Steel
26	ELECTRIC STRIKE	LOCKPOL / Stainless Steel
27	CYLINDER LOCK TOP	WILKA / Stainless Steel
28	CYLINDER LOCK BOTTOM	WILKA / Stainless Steel
29	MANUAL FLUSHBOLT	AGB / Stainless Steel
30	REINFORCEMENT TUBE	ALUMINUM 6061-T6 Bare
31	WING NUT M12	STAINLESS STEEL
32	CUP BOLT M12 X 120MM	304 STAINLESS STEEL

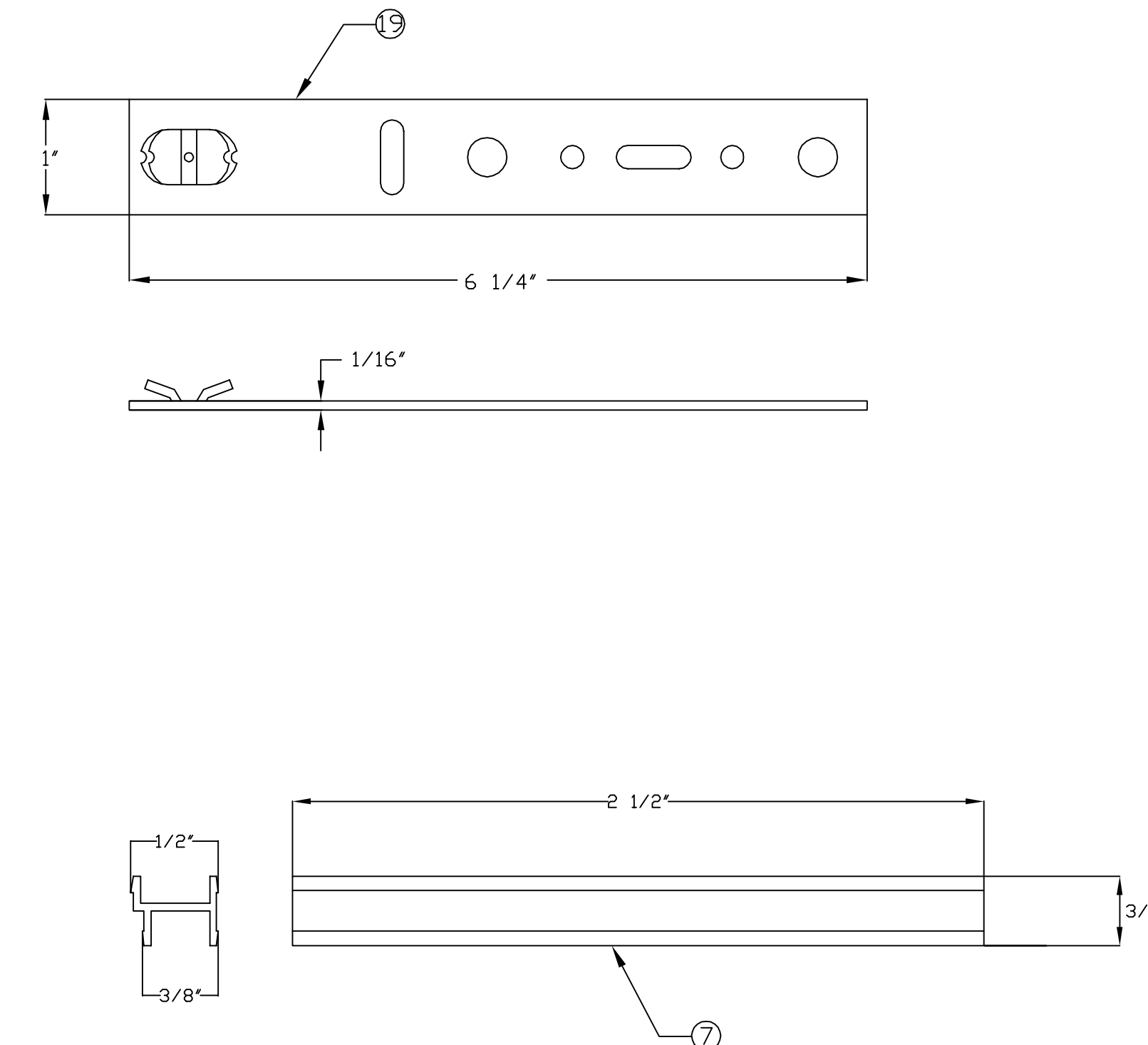
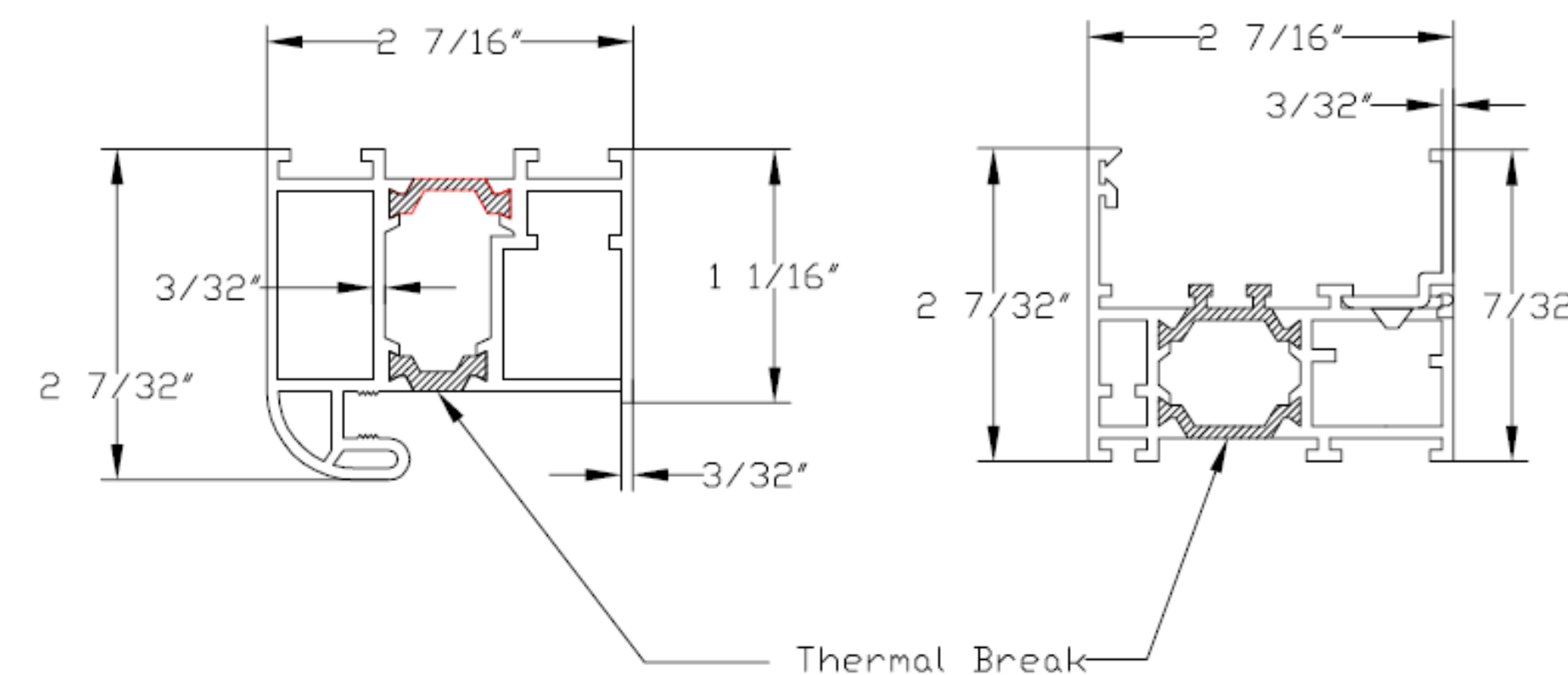
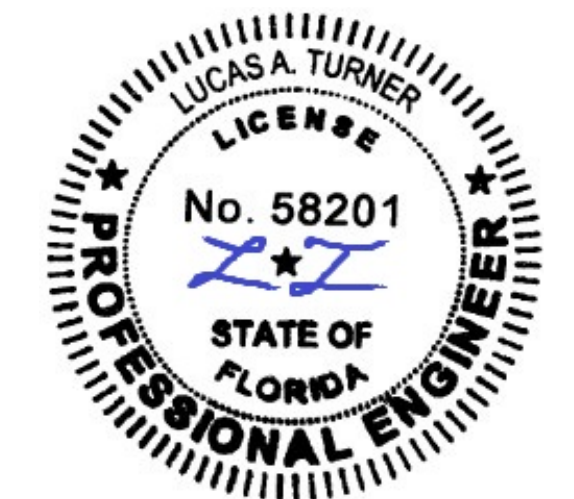


TABLE 1. QUALIFIED ANCHOR INFORMATION

ID	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	CONCRETE OR GROUT-FILLED CMU (3050 PSI MIN)	1/4" DEWALT COATED CARBON STEEL ULTRACON+	1 3/4"	2 1/2"
B	CONCRETE OR GROUT-FILLED CMU (2000 PSI MIN)	1/4" ITW COATED CARBON STEEL TAPCON	1 1/2"	3"
C	CONCRETE (3000 PSI MIN)	1/4" ITW 410 STAINLESS TAPCON	1 3/4"	2 1/2"
D	CONCRETE (3000 PSI MIN)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"
E	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"
F	2x MIN. SOUTHERN PINE WOOD (G=0.55 MIN)	#12 GRADE 5 WOOD SCREW	1 3/8"	1"
G	16 GAUGE (0.060") MIN. STEEL STUD 33 KSI YIELD MIN.	#12-24 ITW TEKS SELF-DRILLING SCREW	FULL	1/2"
H	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 33 KSI MIN.	#12 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL	1/2"



General Notes



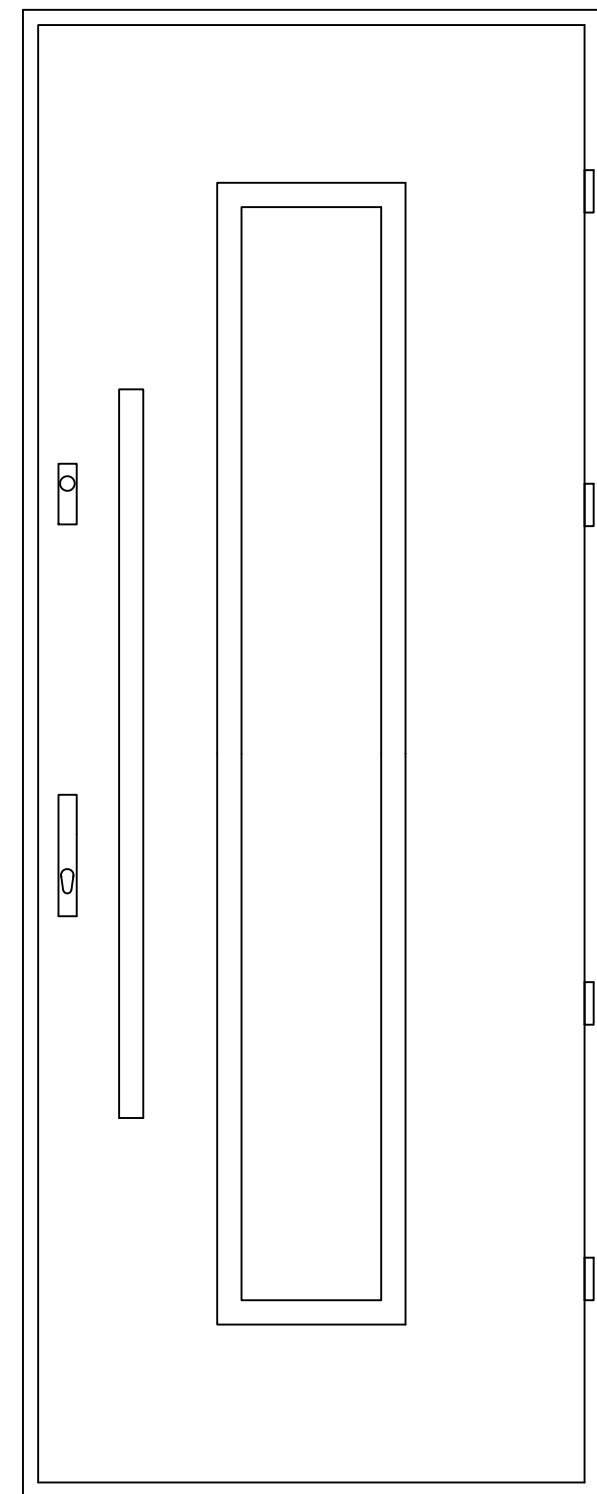
8/21/2023
 LUCAS TURNER
 FL PE 58201
 TURNER ENGINEERING &
 CONSULTING, INC.,
 2428 OLD NATCHEZ
 TRACE TRL.
 CAMDEN, TN, 38320
 PH 941-380-1574

No.	Revision/Issue	Date

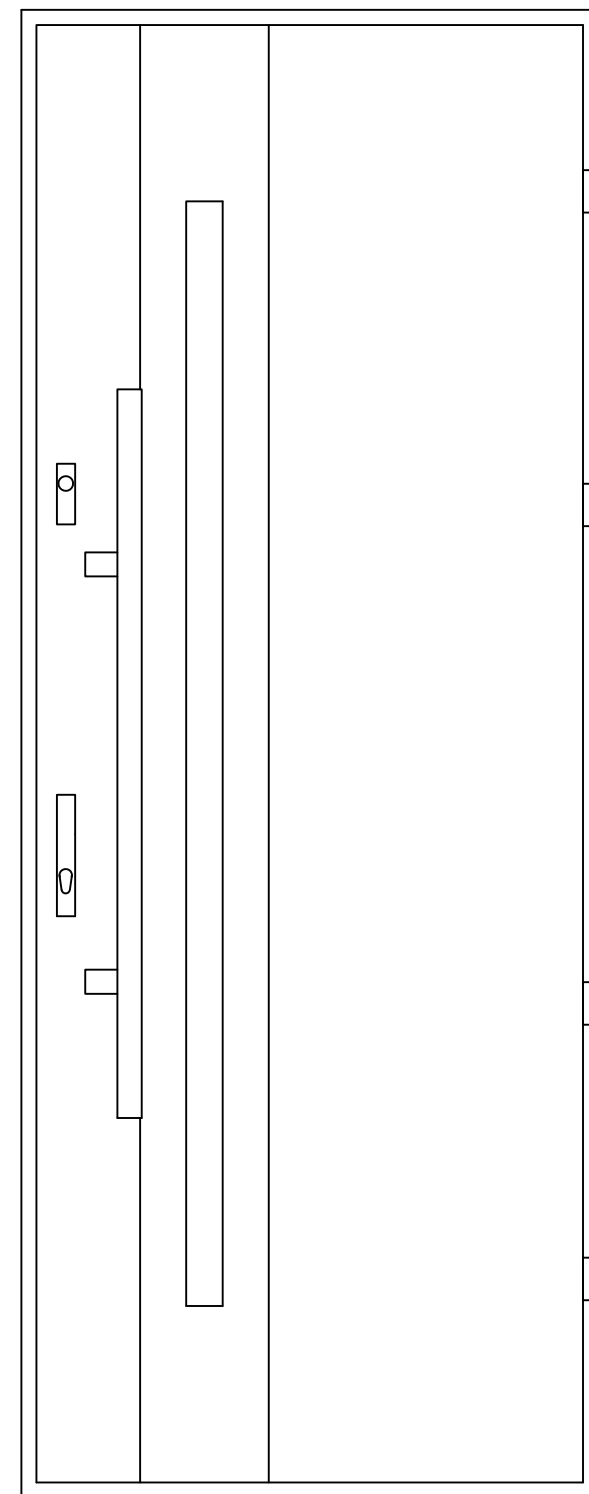
Firm Name and Address
 VILLE DOORS
 102 JOHN STR.
 HACKENSACK NJ
 07601
 www.villedoors.com

Project Name and Address
 FPA-VilleDoor-SL

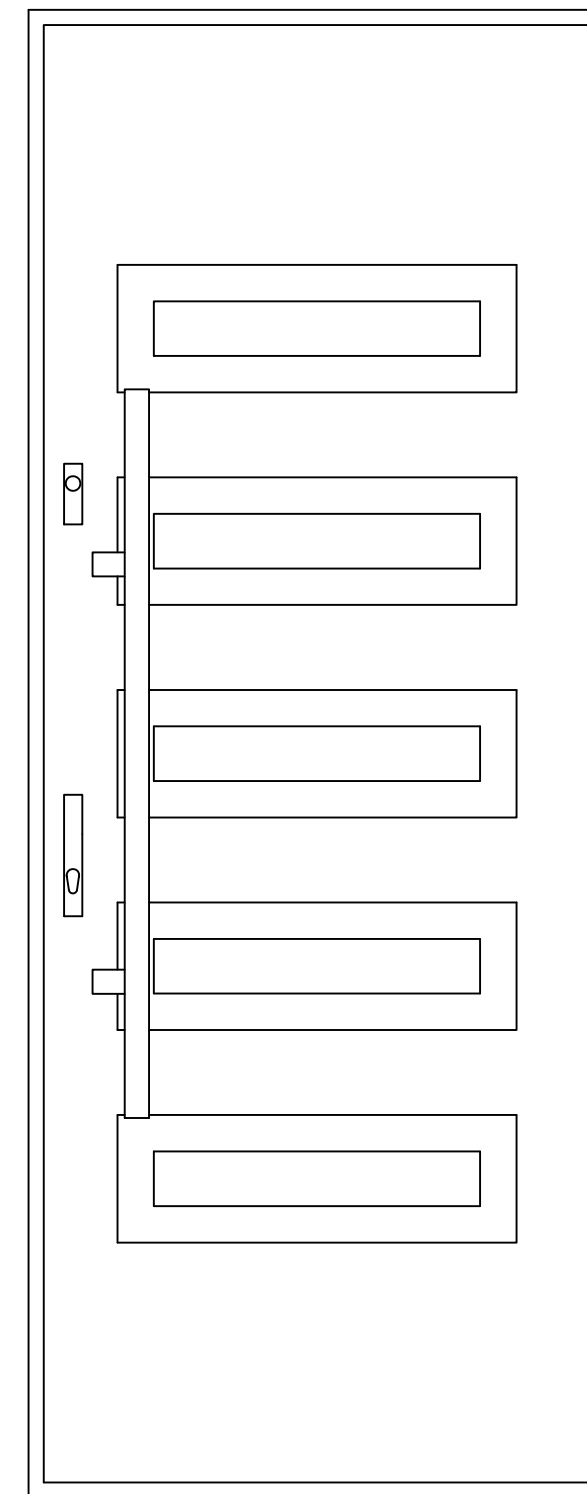
Project	Sheet
Date 02/16/2015	8
Scale 2:1	



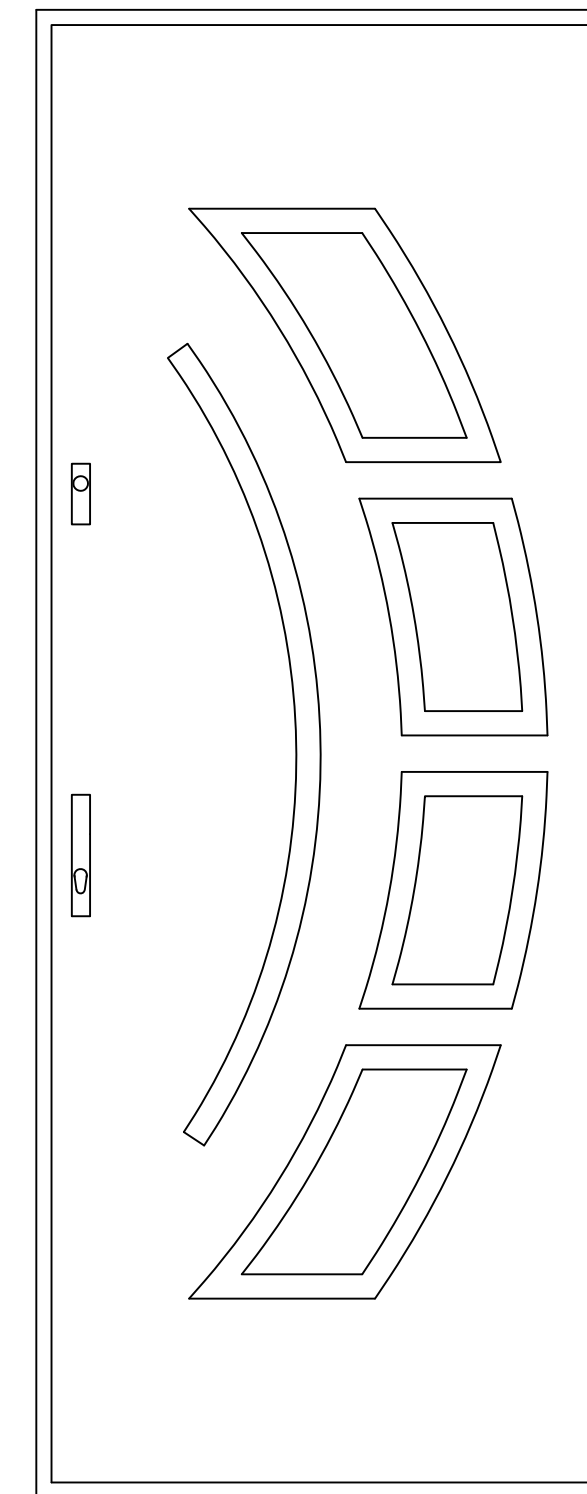
Madrid



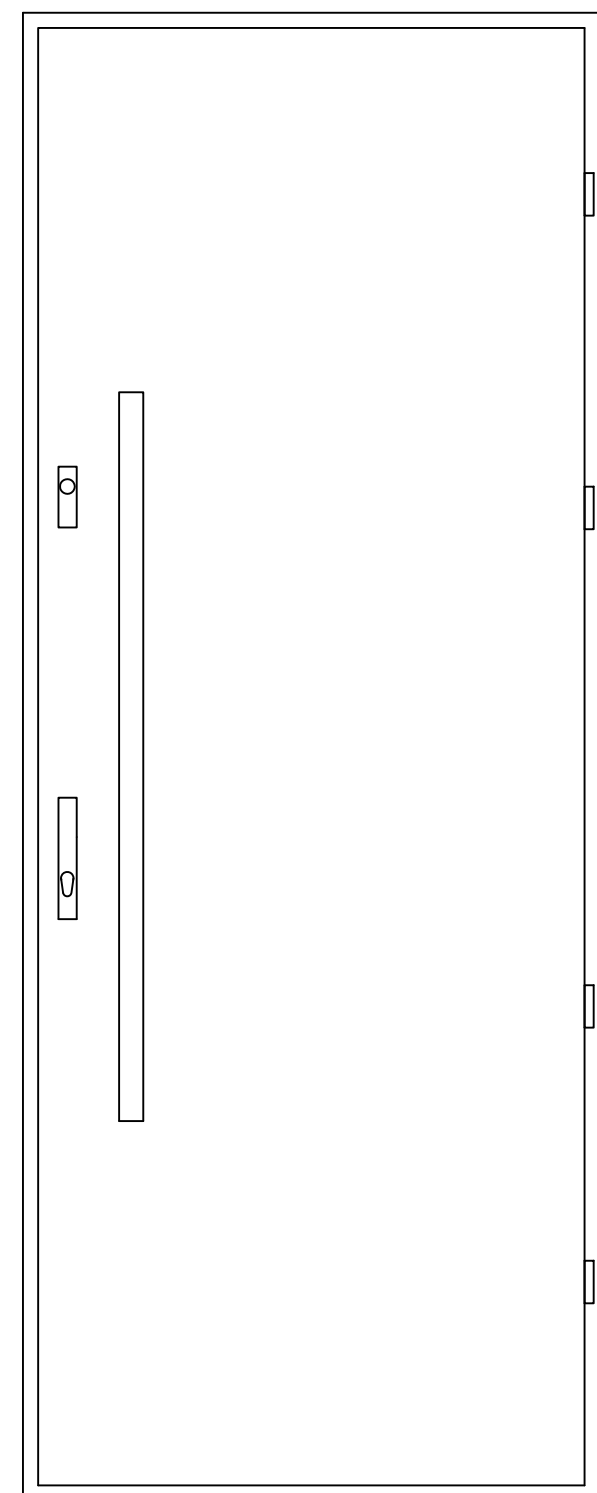
New Yorker



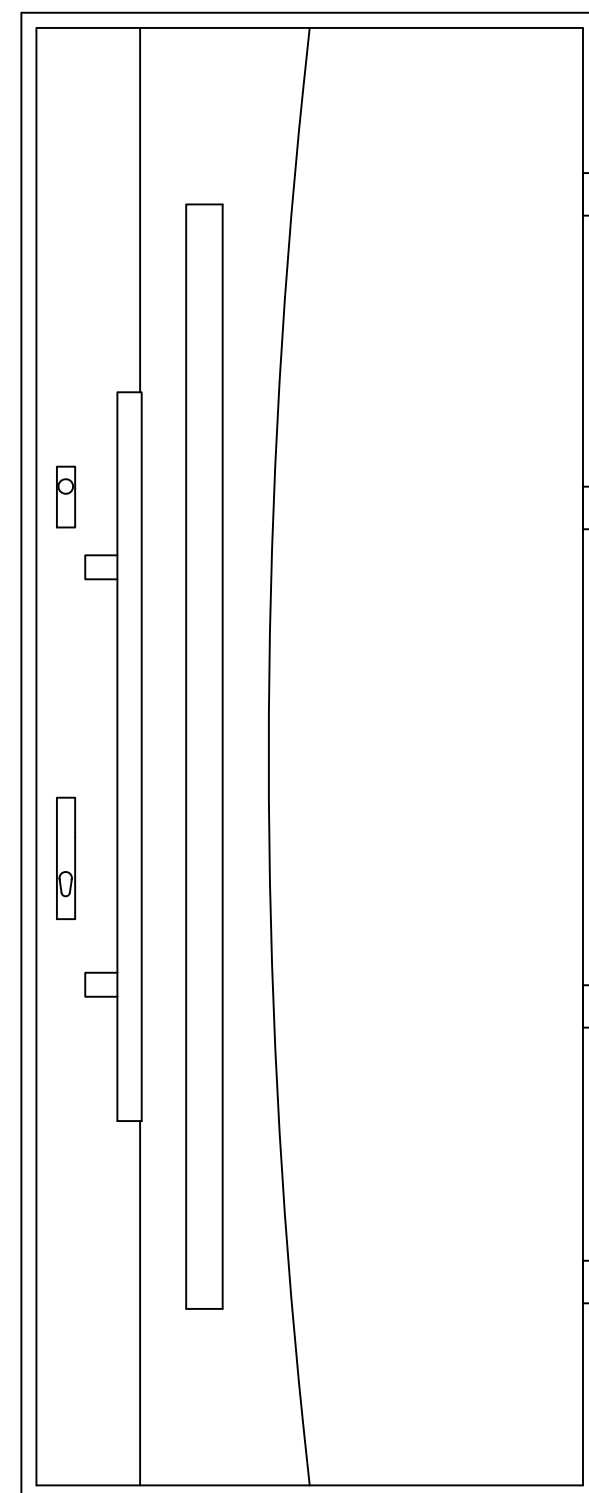
Tokyo



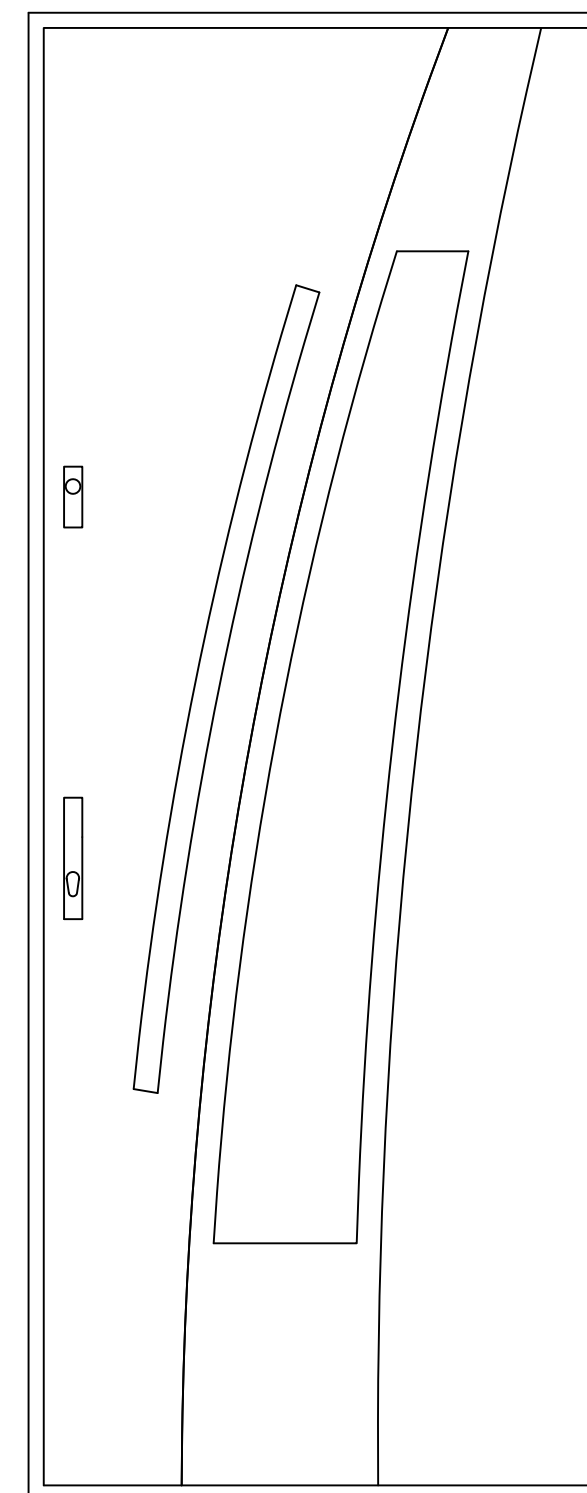
Miami



Verona



Porto



Praga

General Notes



8/21/2023
LUCAS TURNER
FL PE 58201
TURNER ENGINEERING &
CONSULTING, INC.,
2428 OLD NATCHEZ
TRACE TRL.
CAMDEN, TN, 38320
PH 941-380-1574

No.	Revision/Issue	Date

Firm Name and Address
VILLE DOORS
102 JOHN STR.
HACKENSACK NJ
07601
www.villedoors.com

Project Name and Address

FPA-VilleDoor-SL

Project	Sheet
Date 02/16/2015	9
Scale custom	