

GENERAL NOTES

1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS LARGE MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.

2. THIS PRODUCT HAS BEEN TESTED TO ASTM E 330, ASTM E 331, ASTM 283, ASTM E 1886, ASTM E 1996, AND TAS 201/202/203, AND MEETS THE REQUIREMENTS OF THE 8TH ED. (2023) FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE. OTHER THAN FOR SINGLE X OUTSWING, THIS PRODUCT IS RATED FOR LIMITED WATER INFILTRATION RESISTANCE (TESTING WAS PERFORMED WITH FULL WATER SPRAY, BUT ZERO TEST PRESSURE DIFFERENTIAL DURING WATER APPLICATION). FOR USE ONLY IN LOCATIONS WHERE THIS LEVEL OF WATER PERFORMANCE IS ACCEPTED OUTSIDE THE HVHZ, OR IN NONHABITABLE AREAS, OR IN AREAS PROTECTED BY A 1:1 OVERHANG IN ACCORDANCE WITH FBC SECT. 1709.5.1 EXC. 2 (OVERHANG LENGTH = OVERHANG HEIGHT). EXCEPTION IS SINGLE X OUTSWING DOOR, WHICH IS RATED FOR WATER INFILTRATION RESISTANCE.

3. ALLOWABLE CONFIGURATIONS ARE AS SHOWN, AND INCLUDE INSWING OR OUTSWING DOORS, SINGLE OR DOUBLE, WITH OR WITHOUT TRANSOM. ALSO ALLOWED ARE FIXED DOOR PANEL OR FIXED TRANSOM PANEL.

4. THE DESIGN PRESSURE RATINGS IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED STRUCTURAL, AND CYCLIC PRESSURES.

5. 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.

6. INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J. WHEN INSTALLING INTO CONCRETE (OR MASONRY AT JAMBS ONLY) WITH WOOD BUCKS LESS THAN 1-1/2" THICK, ANCHOR EMBEDMENT SHALL BE INTO CONCRETE (OR MASONRY AT JAMBS ONLY). WHEN INSTALLING INTO WOOD BUCKS 1-1/2" OR THICKER OVER CONCRETE (OR MASONRY AT JAMBS ONLY) , ANCHOR EMBEDMENT SHALL BE INTO THE WOOD.

7. 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.

8. 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.

9. PRODUCT JOINERY SHALL BE IN ACCORDANCE WITH TEST REPORTS LISTED IN EVALUATION REPORT: AT MAIN FRAME RABBET WITH SCREWS THROUGH JAMB INTO HEAD/SILL, AND AT LEAF CORNERS AND MIDRAILS ARE WITH DOWELS/GLUE.

9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND IS NOT ADDRESSED BY THIS DOCUMENT.

HVHZ IMPACT RATED 2-1/4" WOOD DOORS, INSWING OR OUTSWING, WITH OR WITHOUT TRANSOM

1" OVERALL I.G.

AIR SPACE W/ STAINLESS STEEL SPACER

5/32" TEMPERED GLASS

7/16" LAMINATED GLASS CONSISTING OF 3/16" ANN + .090" KURARAY SENTRYGLAS INTERLAYER + 3/16" ANN

16 GA x 1-1/4" BRAD NAILS 1-1/2" FROM ENDS AND 7" O.C.

DOOR LEAF OR TRANSOM SASH

EXT.

71

DOW 995

9/16" GLASS BITE

FBC 2411.3.3.1 COMPLIANT SETTING BLOCKS

3/4" MIN. PANEL

72

DOOR LEAF

DOW 995

TYPICAL GLAZING DETAIL

TYPICAL PANEL DETAIL

Lucas Turner

2024.01.31

16:57:58

-06'00'

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Rogue Valley Door

123 NE BEACON DR.
GRANTS PASS, OR 97526
PH. (541) 479-5028 Ext. 124

SHEET DESCRIPTION:
NOTES, GLAZING/PANEL DETAILS

DATE DRAWN:
12/19/2020

REV: A

SHEET: 1 OF 8

LUCAS A. TURNER

LICENSE

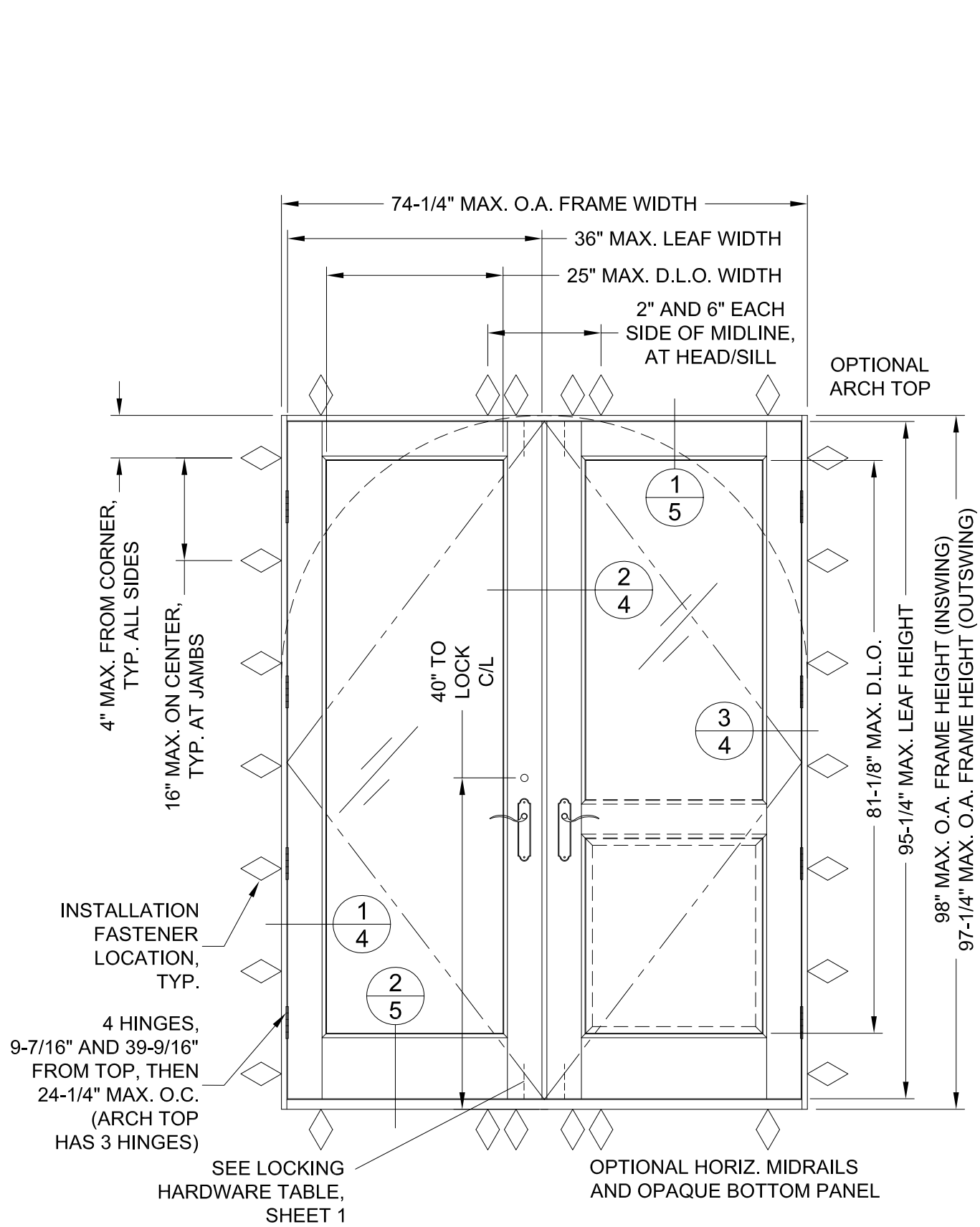
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STATE OF FLORIDA

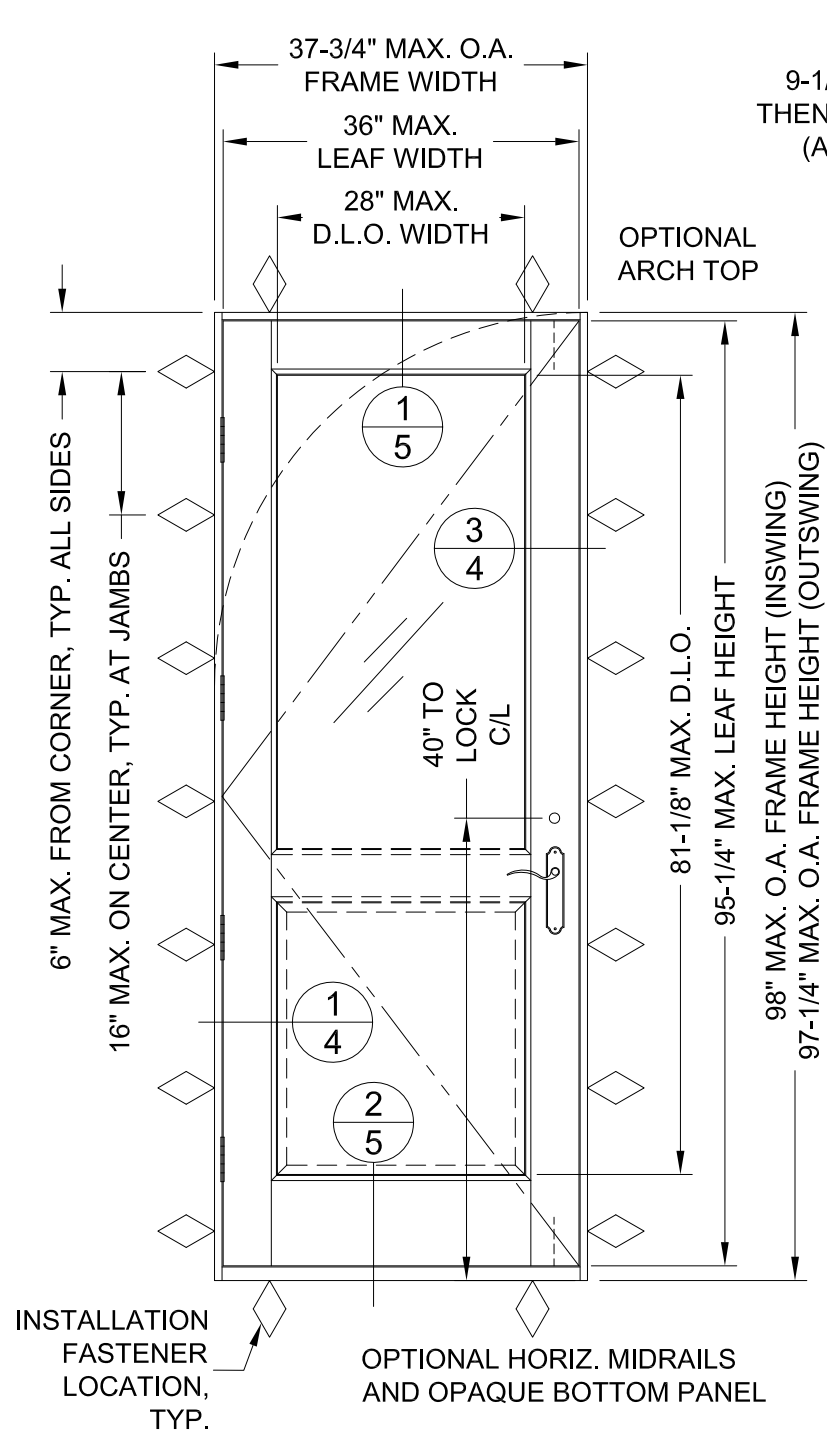
PROFESSIONAL ENGINEER

1/31/2024

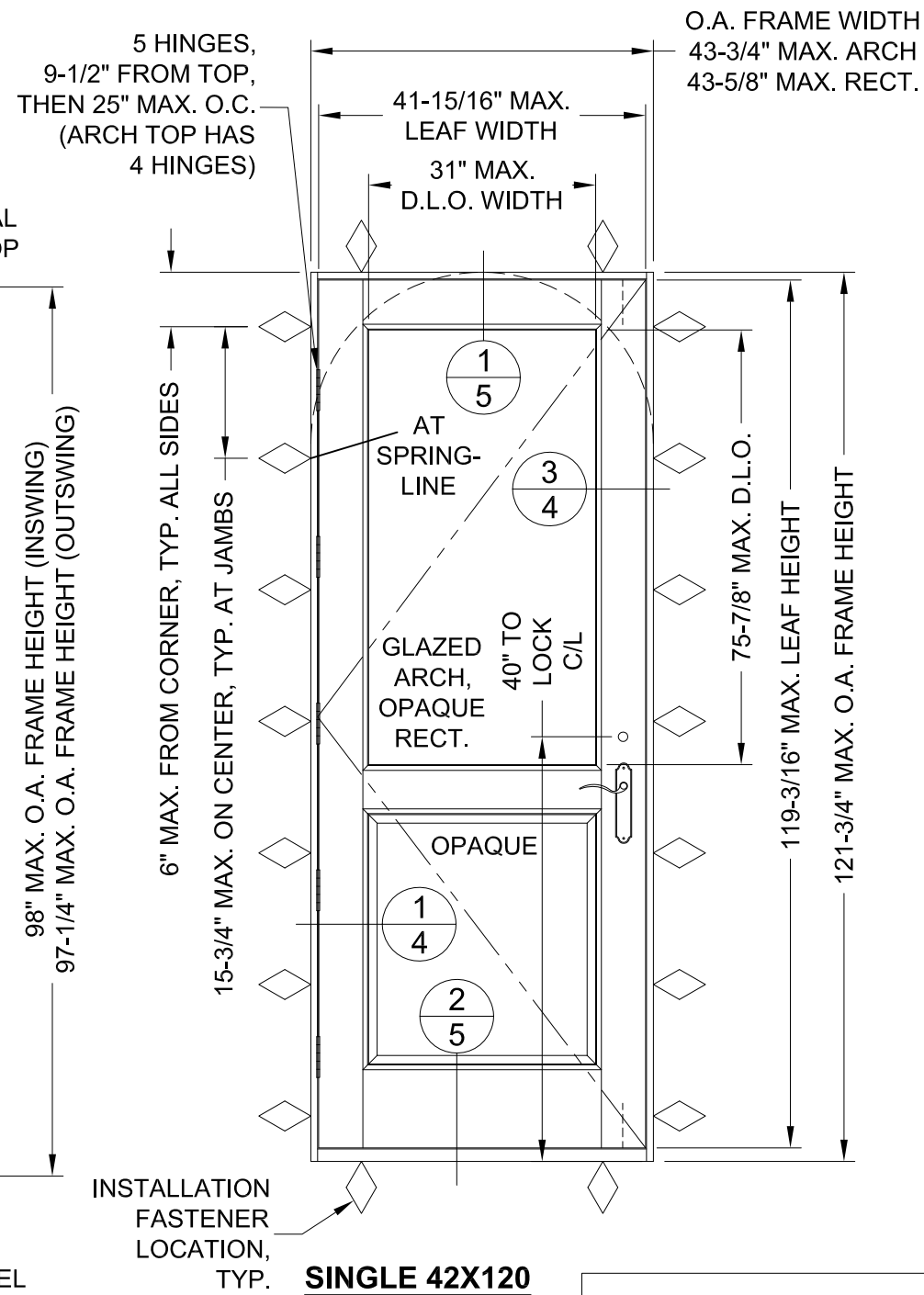
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Ph. 941-380-1574



DOUBLE DOOR ELEVATION



**SINGLE 36X96
(NOMINAL) GLAZED
DOOR ELEVATION**



**SINGLE 42X120
(NOMINAL)
GLAZED ARCH
OR OPAQUE RECT.
DOOR ELEVATION**

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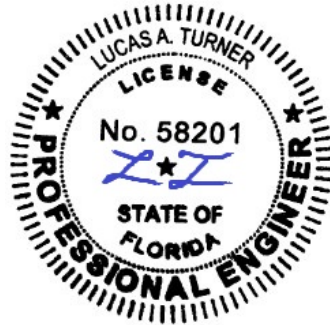
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DOOR ELEVATIONS

DATE DRAWN:
12/19/2020

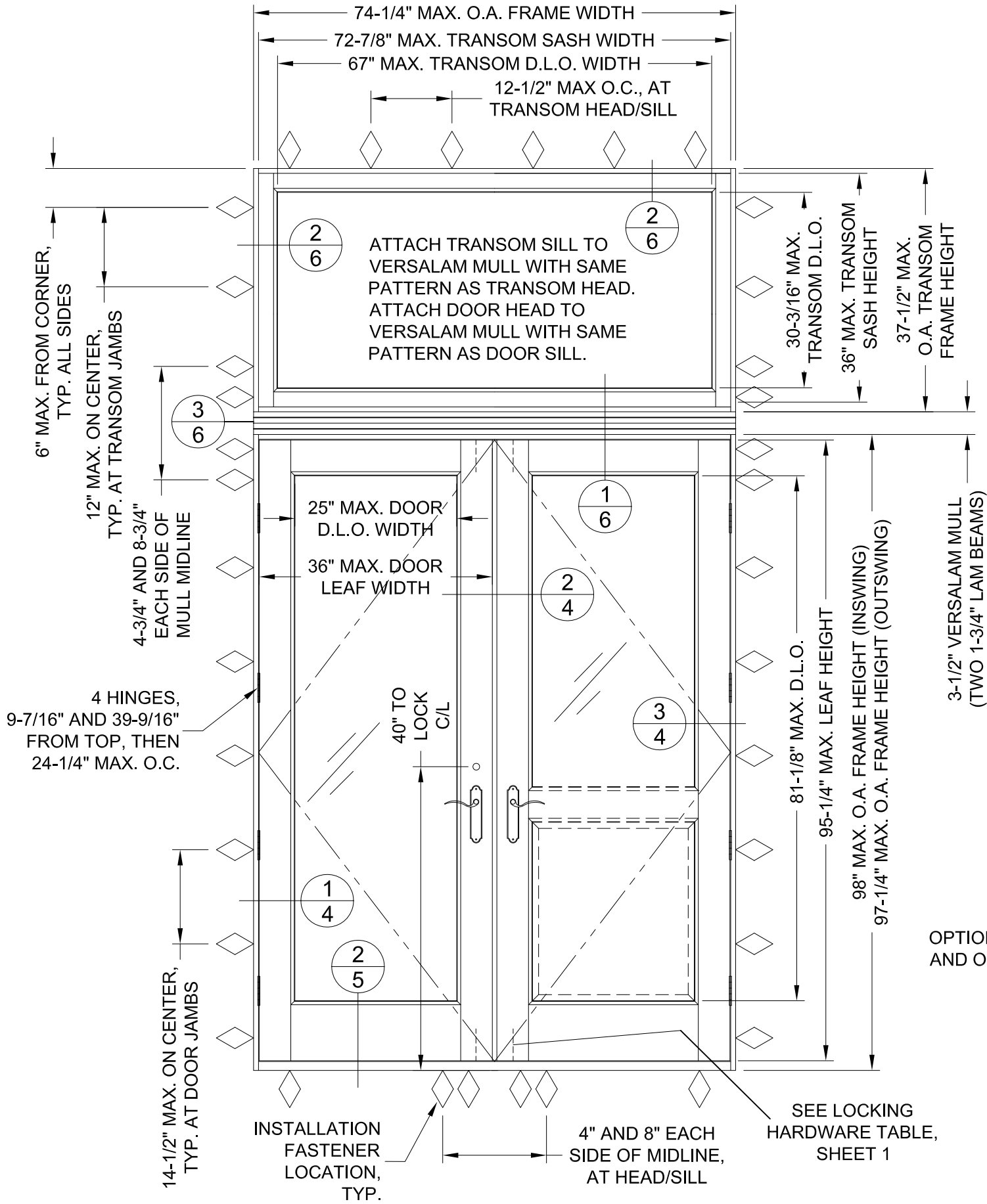
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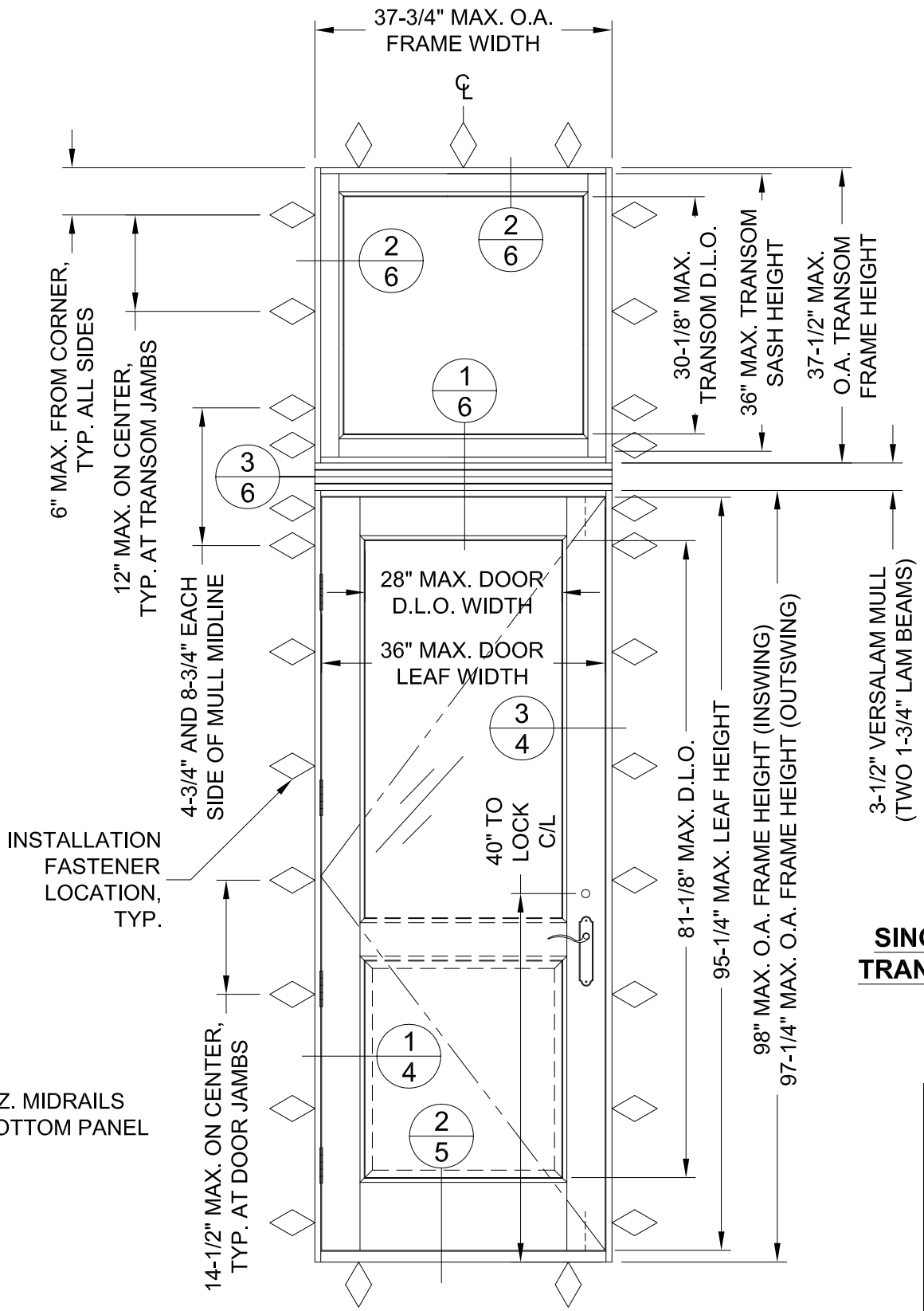
SHEET: 2 OF 8



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DOUBLE DOOR WITH TRANSOM ELEVATION



SINGLE DOOR WITH TRANSOM ELEVATION

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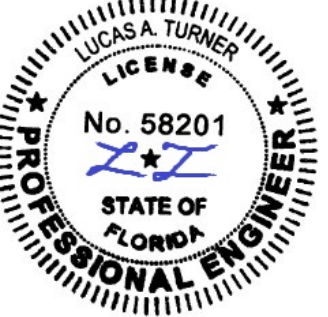
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DOORS W/ TRANSOM ELEVATIONS

DATE DRAWN:
12/19/2020

REV: A

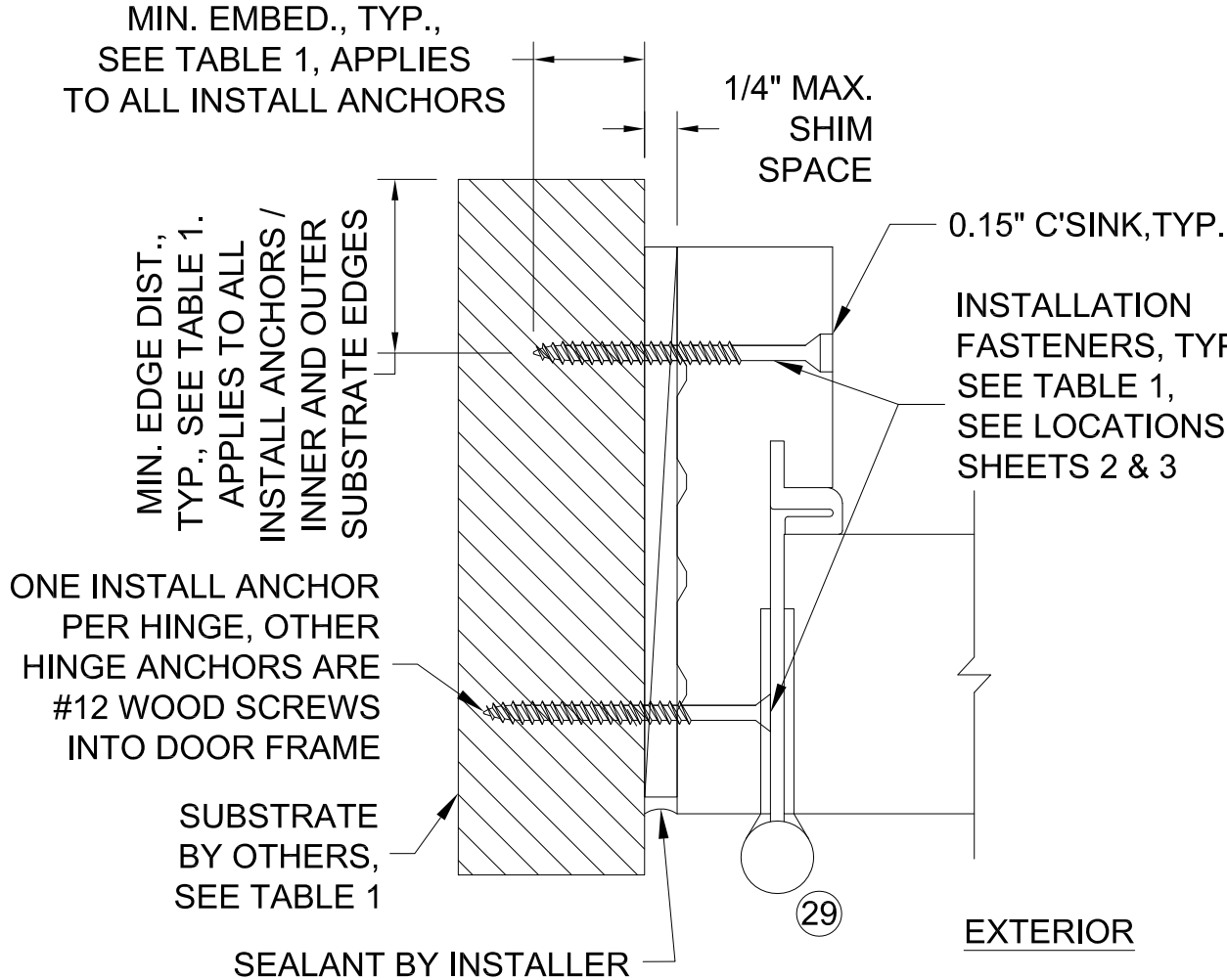
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SHEET: 3 OF 8

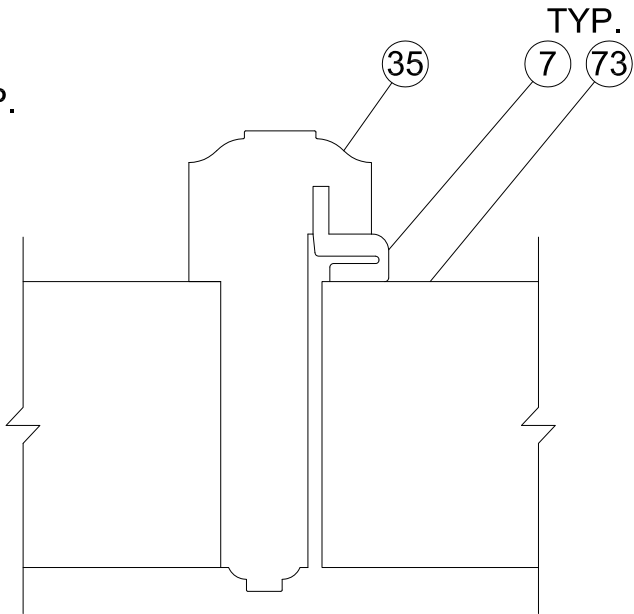


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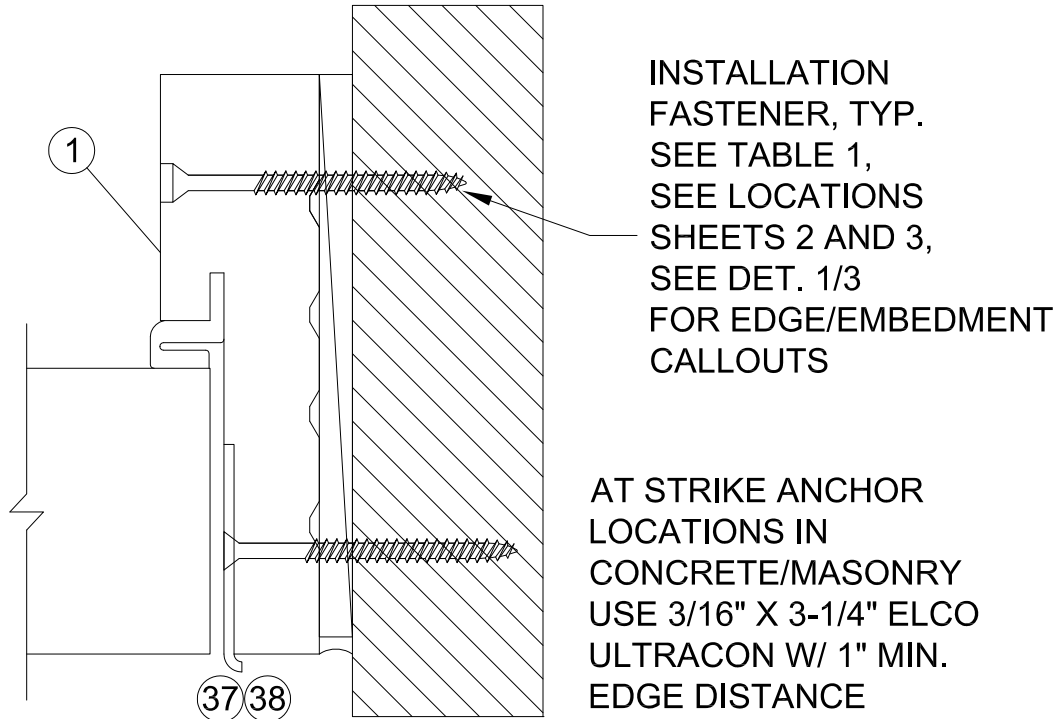
ALL DETAILS THIS SHEET:
OUTSWING SHOWN,
INSWING SIMILAR
INSTALLTION



1
4 TYP. JAMB ANCHORAGE



2
4 ASTRAGAL



3
4 LOCK JAMB

TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE (ALL ANCHORS FLAT HEAD)

SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED.	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN)	1/4" ITW TAPCON	1"	1 1/2"
HOLLOW OR GROUT-FILLED CMU* (117 PCF MIN.)	1/4" ITW TAPCON	1"	2"
CONCRETE (2.85 KSI MIN.)	1/4" DEWALT ULTRACON+	1-3/8"	1"
GROUT-FILLED CMU* (ASTM C-90)	1/4" DEWALT ULTRACON+	1-3/4"	2-1/2"
2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 GRADE 5 WOOD SCREW	1-1/2"	1"
16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL, PLUS 3 THREADS BEYOND	1/2"

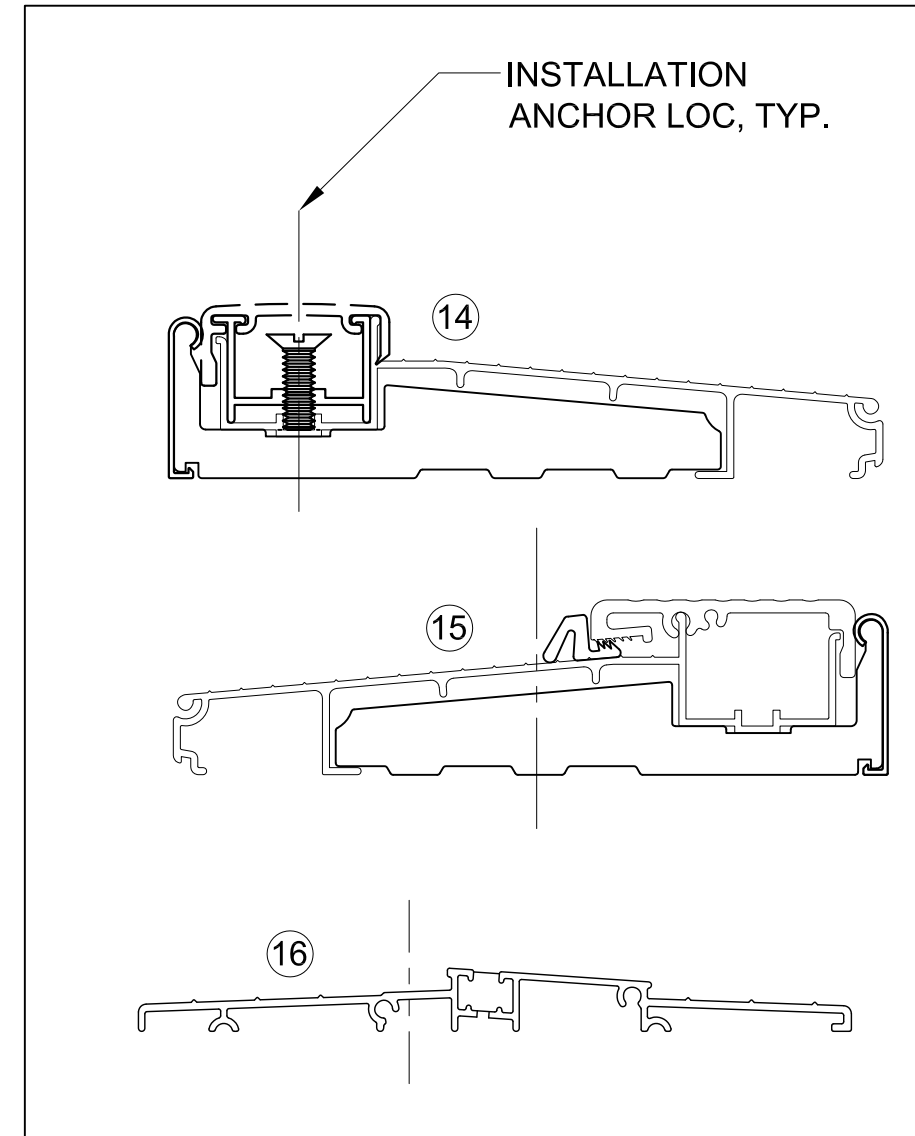
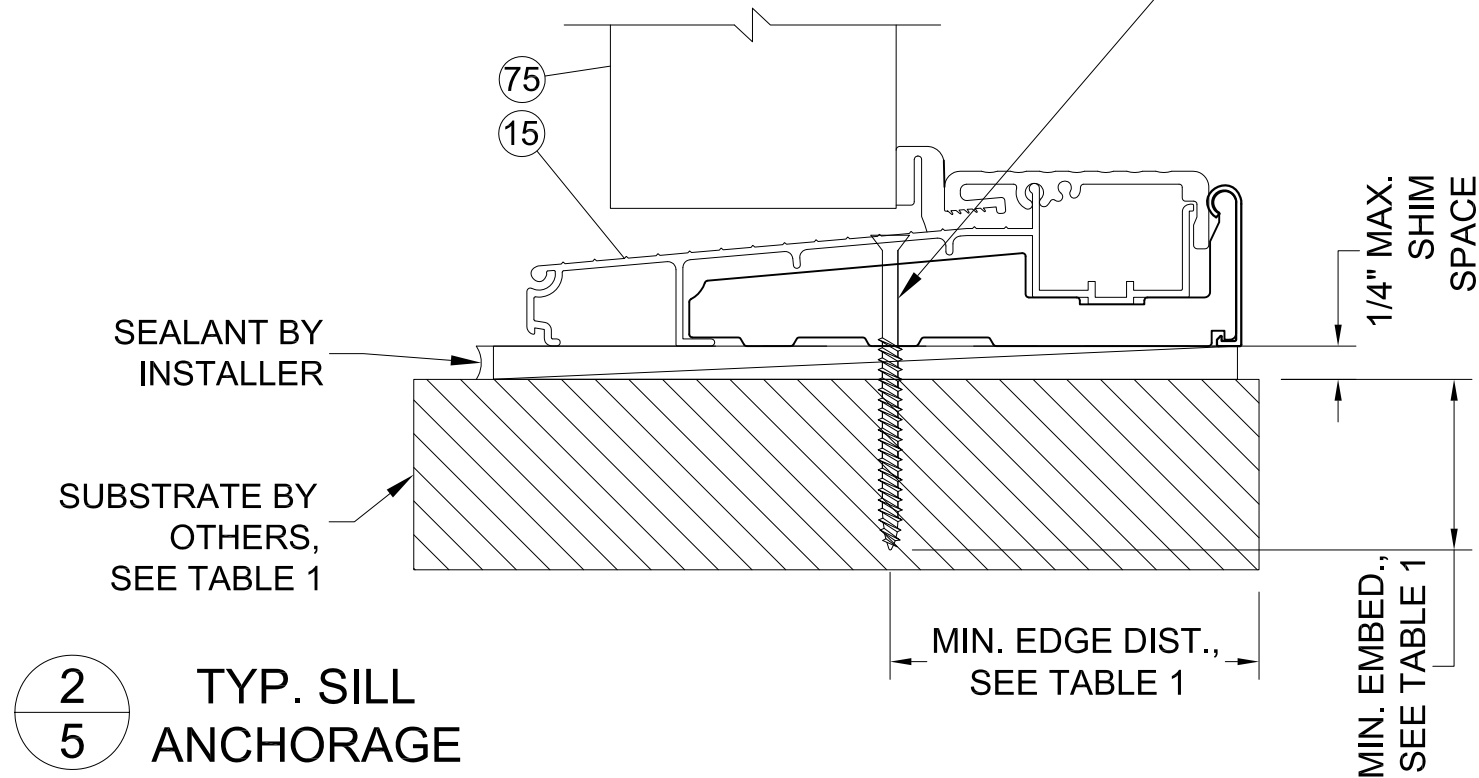
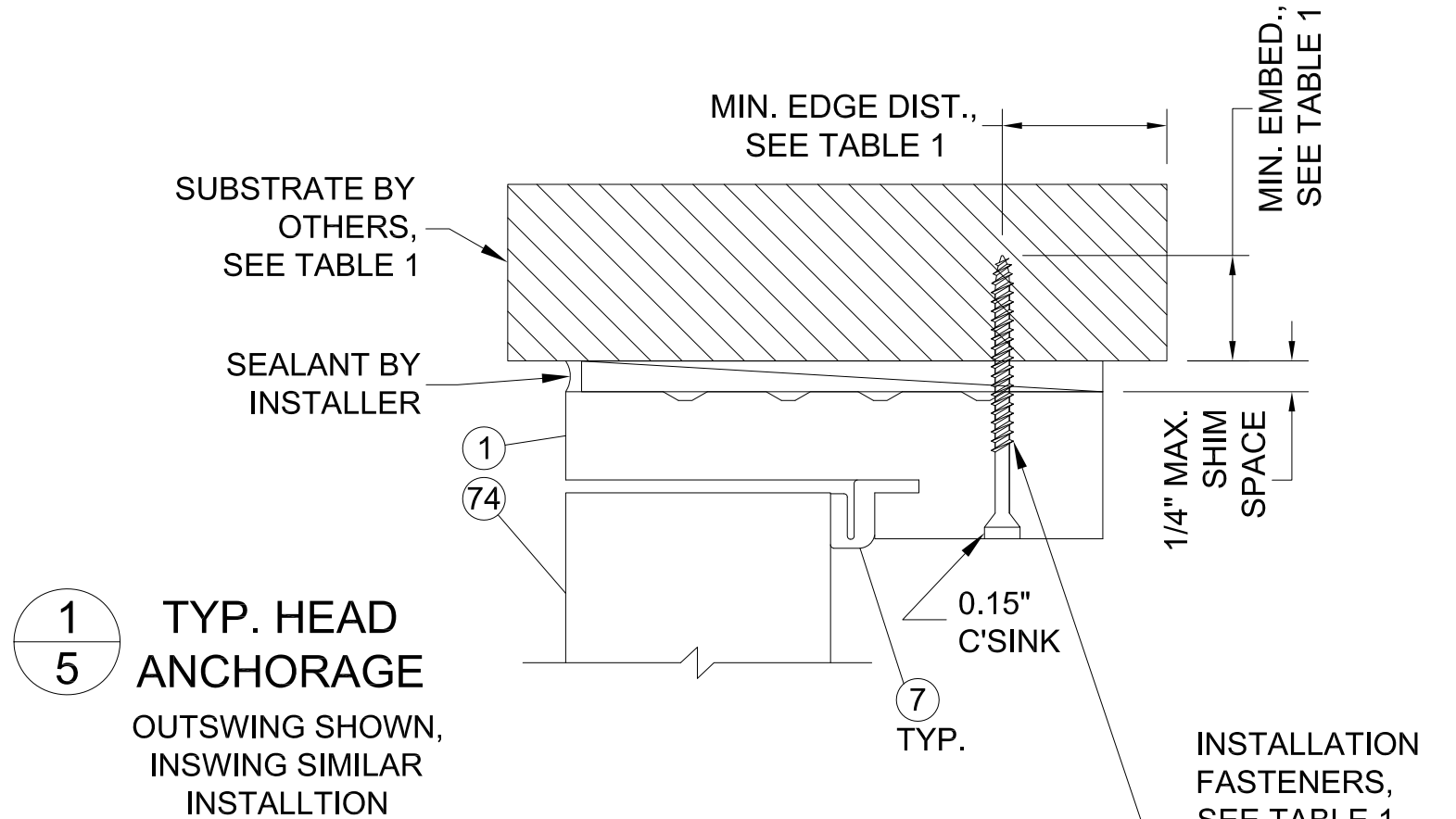
* CMU APPLICABLE AT JAMBS ONLY

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SHEET DESCRIPTION: HORIZ. DETAILS, INSTALL. TABLE	DATE DRAWN: 12/19/2020
	REV: A
DRAWING: FPA-Rogue-Impact-HVHZ	SHEET: 4 OF 8

1/31/2024
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APPROVED
SILL TYPES
AND TYP.
INSTALLATION
ANCHOR
LOCATIONS

*Rogue Valley
Door*

123 NE BEACON DR.
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SHEET DESCRIPTION:
DOOR VERTICAL SECT. DETAILS

DATE DRAWN:
12/19/2020

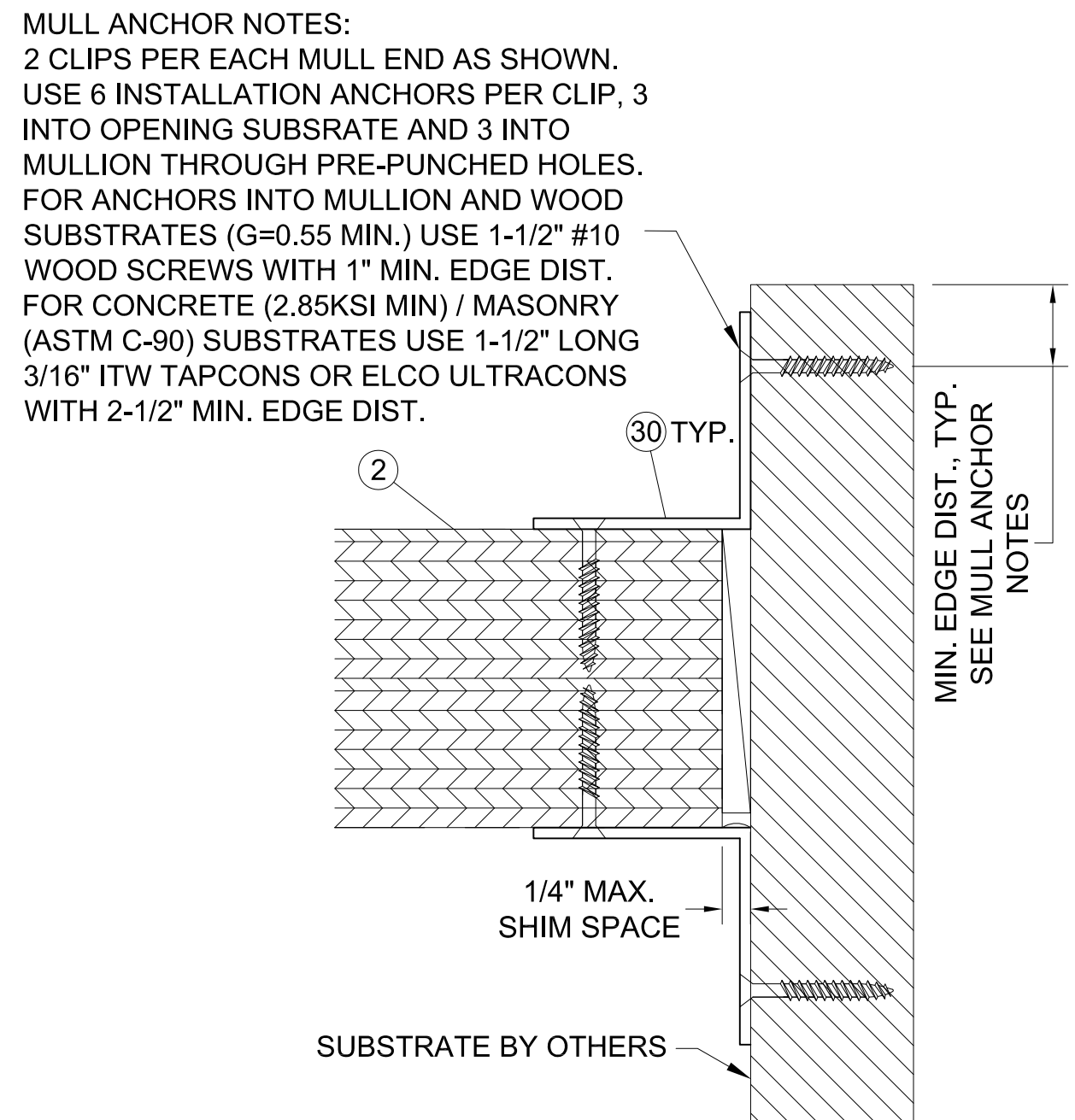
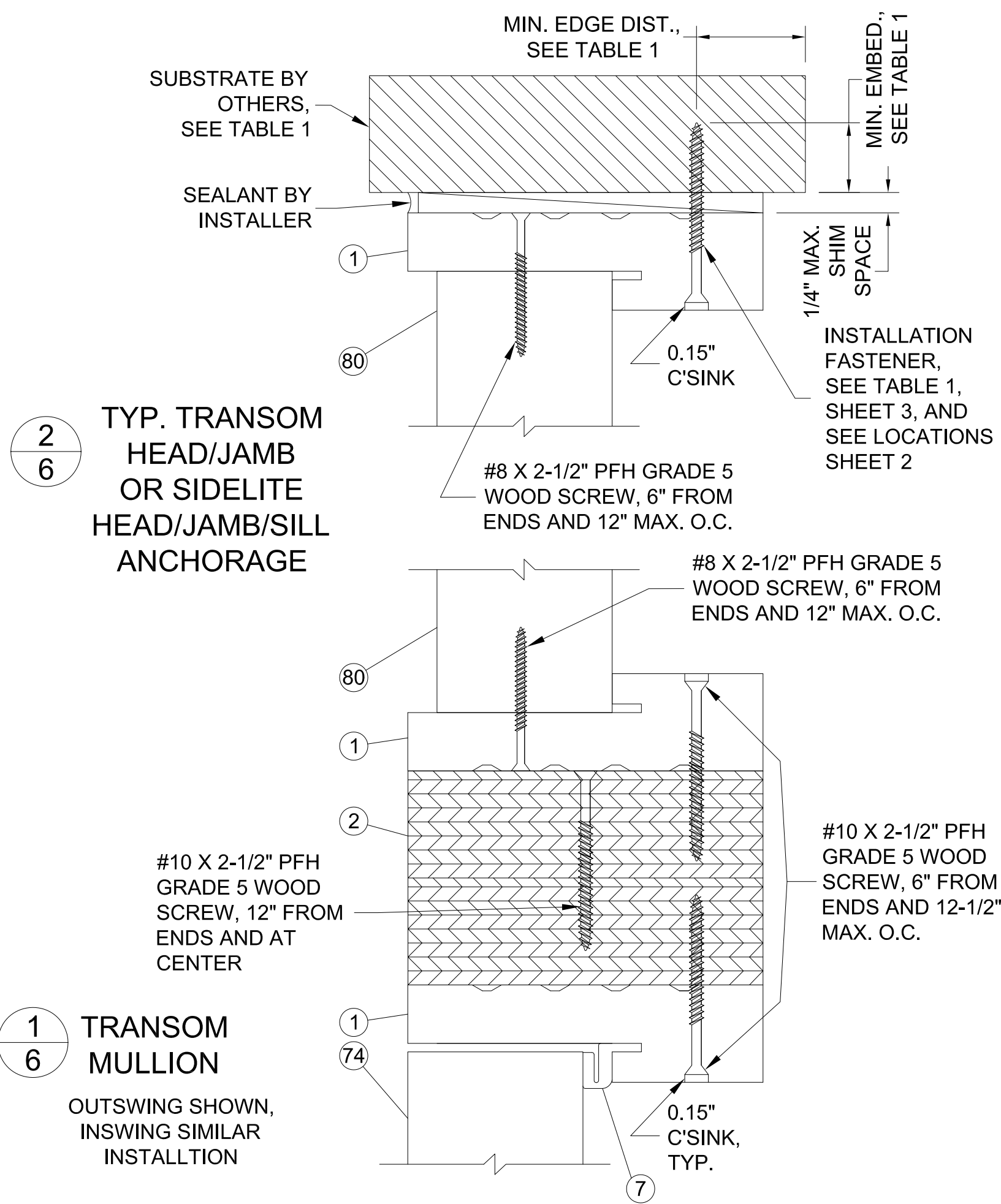
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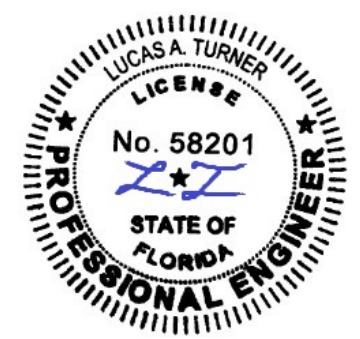
SHEET: 5 OF 8



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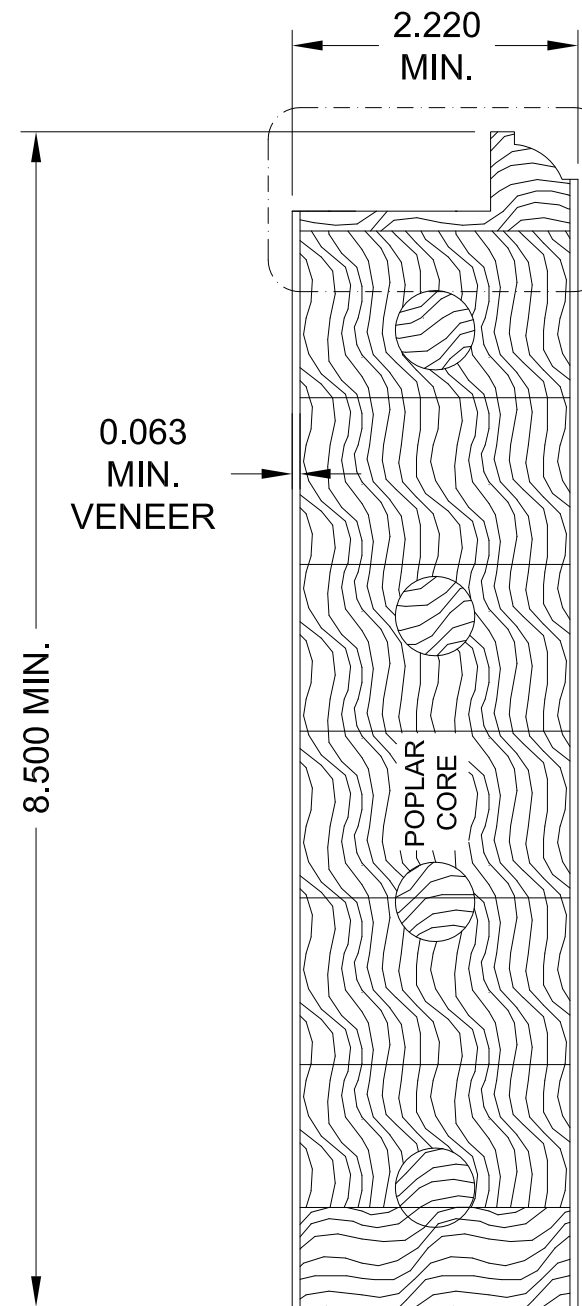
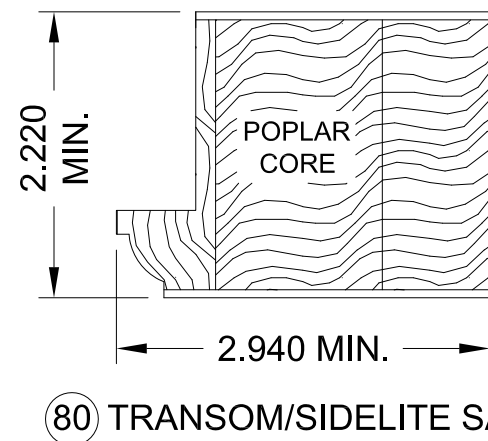
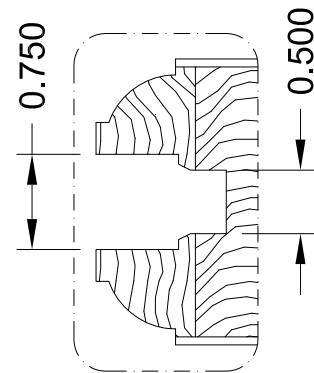
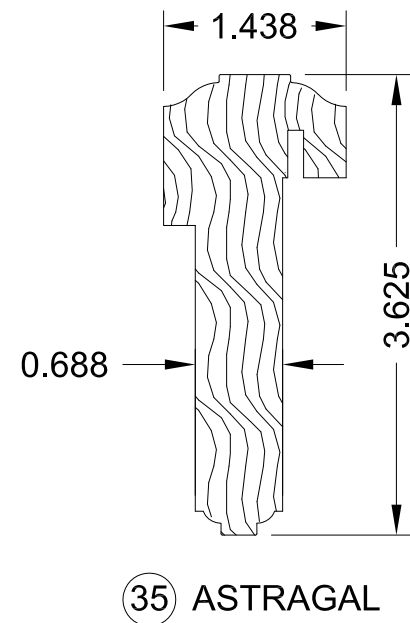
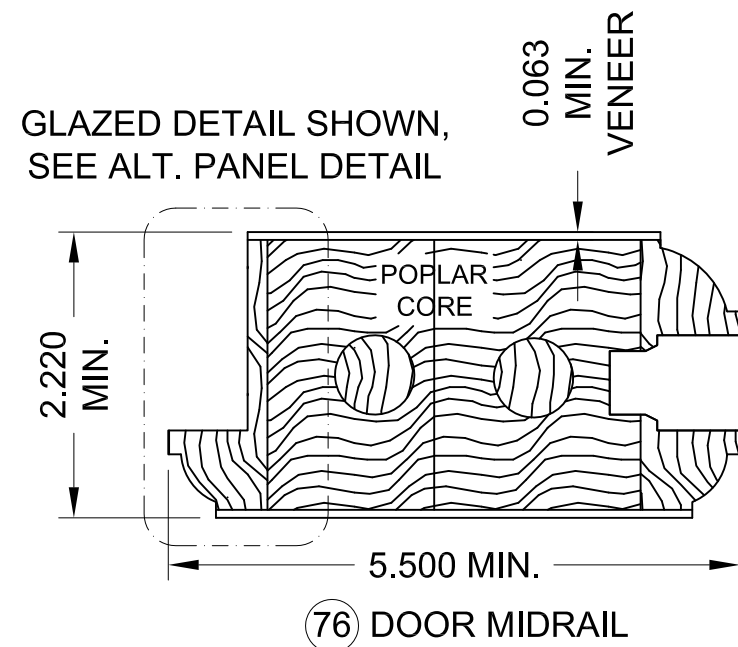
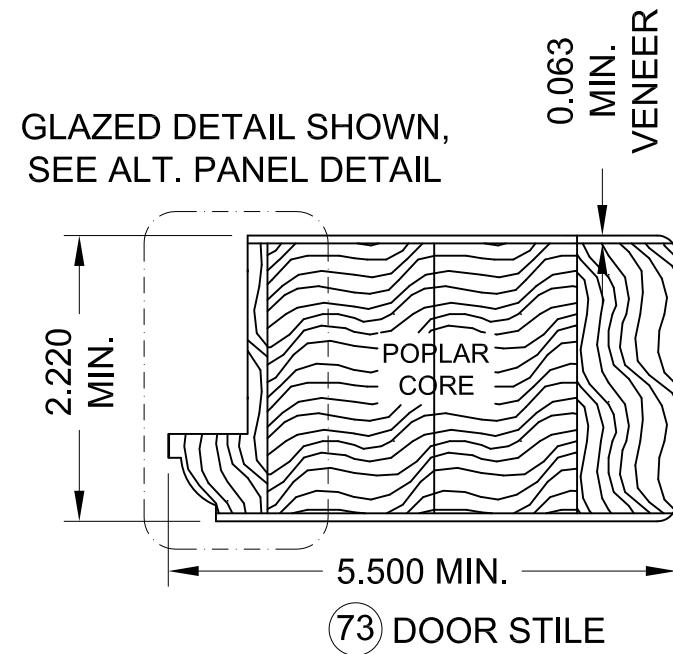
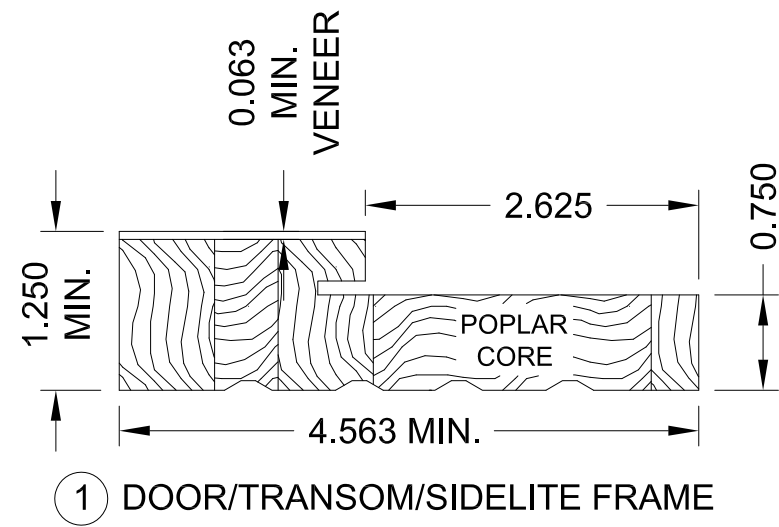


MULL ANCHOR NOTES:
 2 CLIPS PER EACH MULL END AS SHOWN.
 USE 6 INSTALLATION ANCHORS PER CLIP, 3 INTO OPENING SUBSRATE AND 3 INTO MULLION THROUGH PRE-PUNCHED HOLES.
 FOR ANCHORS INTO MULLION AND WOOD SUBSTRATES (G=0.55 MIN.) USE 1-1/2" #10 WOOD SCREWS WITH 1" MIN. EDGE DIST.
 FOR CONCRETE (2.85KSI MIN) / MASONRY (ASTM C-90) SUBSTRATES USE 1-1/2" LONG 3/16" ITW TAPCONS OR ELCO ULTRACONS WITH 2-1/2" MIN. EDGE DIST.

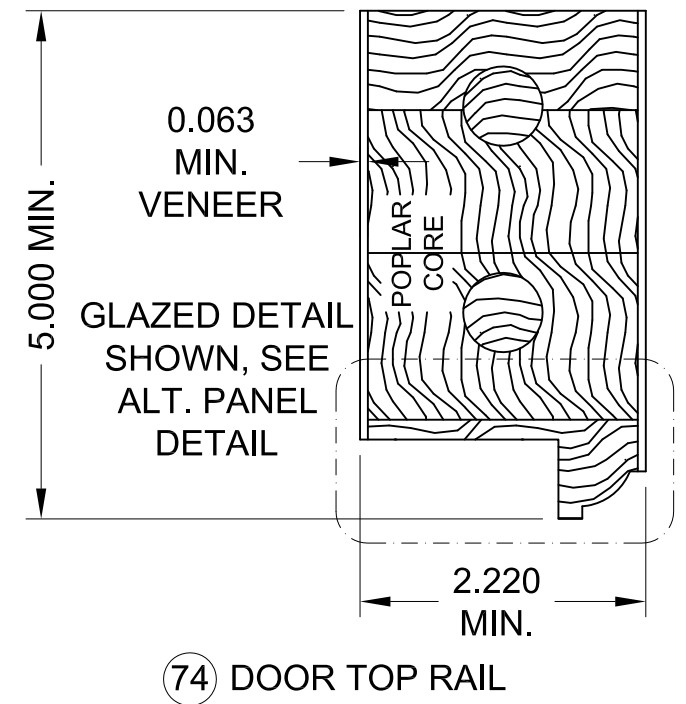
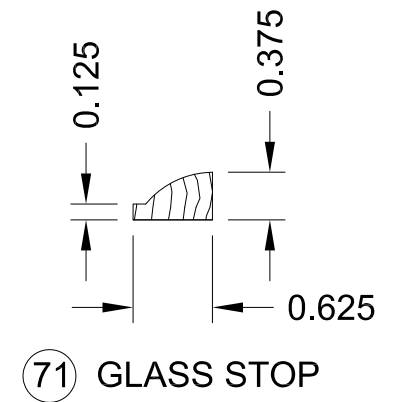


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 123 NE BEACON DR. GRANTS PASS, OR 97526 PH. (541) 479-5028 Ext. 124	
SHEET DESCRIPTION: TRANSOM/MULL SECTION DETAILS	DATE DRAWN: 12/19/2020
	REV: A
DRAWING: FPA-Rogue-Impact-HVHZ	SHEET: 6 OF 8



GLAZED DETAIL
SHOWN, SEE
ALT. PANEL
DETAIL



ALL DIMENSIONS IN INCHES.
WOOD DOOR COMPONENTS:
VENEER/EDGES: DOUGLAS FIR (G=0.51)
ENGINEERED STAVE CORE: POPLAR (G=0.42)

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SHEET DESCRIPTION:
PART DRAWINGS

DATE DRAWN:
12/19/2020

DRAWING: FPA-Rogue-Impact-HVHZ

REV: A
SHEET: 7 OF 8

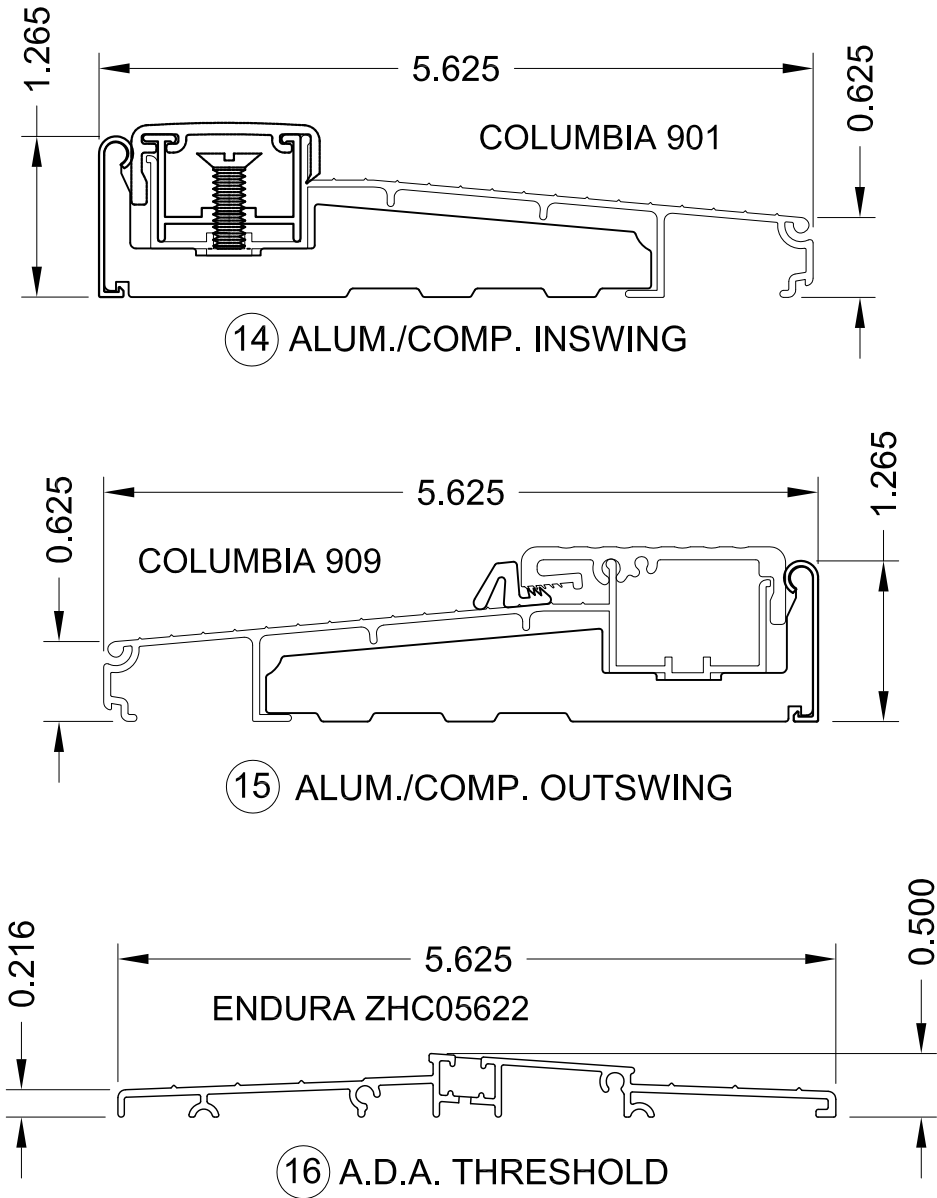


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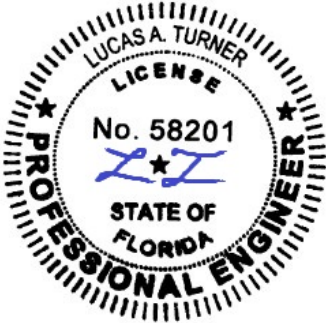
BILL OF MATERIALS

1	DOOR/TRANSOM FRAME	WOOD
2	VERSALAM MULLION	ENG. WOOD
7	FOAM-FILLED VINYL LEAF W'STRIP	VINYL
8	SWEEP GASKET	VINYL
14	INSWING THRESHOLD	ALUM/COMP.
15	OUTSWING THRESHOLD	ALUM/COMP.
16	A.D.A. THRESHOLD	ALUMINUM
23	#8 x 3/4" PFH WOOD SCREW	STEEL
24	#12 x 1" PFH WOOD SCREW	STEEL
25	#8 x 1-3/4" PFH WOOD SCREW	STEEL
26	#8 x 2-1/2" FH DEEP THREAD WOOD SCREW	STEEL
27	#9 x 2-1/2" PFH WOOD SCREW	STEEL
29	4.5" X 4.5" HINGE	STEEL
30	MULLION ANGLE CLIP (USP ML24-TZ)	STEEL
35	ASTRAGAL	WOOD
71	GLASS STOP	WOOD
72	3/4" FLAT PANEL (5/8" PLY W/ 1/16" VENEERS)	WOOD
73	DOOR STILE	WOOD
74	DOOR TOP RAIL	WOOD
75	DOOR BOTTOM RAIL	WOOD
76	DOOR MIDRAIL/INTERMEDIATE	WOOD
80	TRANSOM SASH	WOOD
81	VERSALAM SIDELITE MULLION	ENG. WOOD

NUMBERS NOT SHOWN ABOVE NOT USED



Rogue Valley Door 123 NE BEACON DR. GRANTS PASS, OR 97526 PH. (541) 479-5028 Ext. 124	
SHEET DESCRIPTION: BOM, PART DWGS	DATE DRAWN: 12/19/2020
	REV: A
DRAWING: FPA-Rogue-Impact-HVHZ	SHEET: 8 OF 8



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