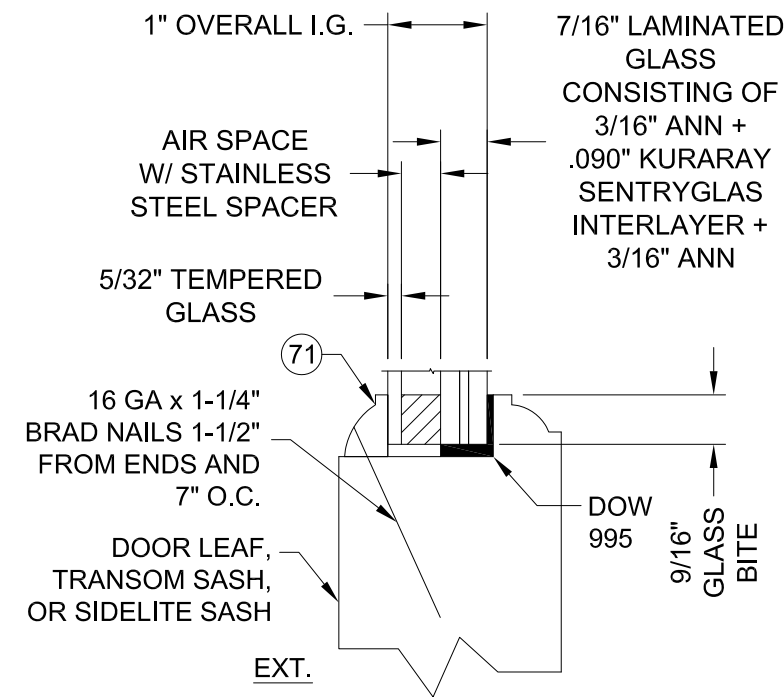


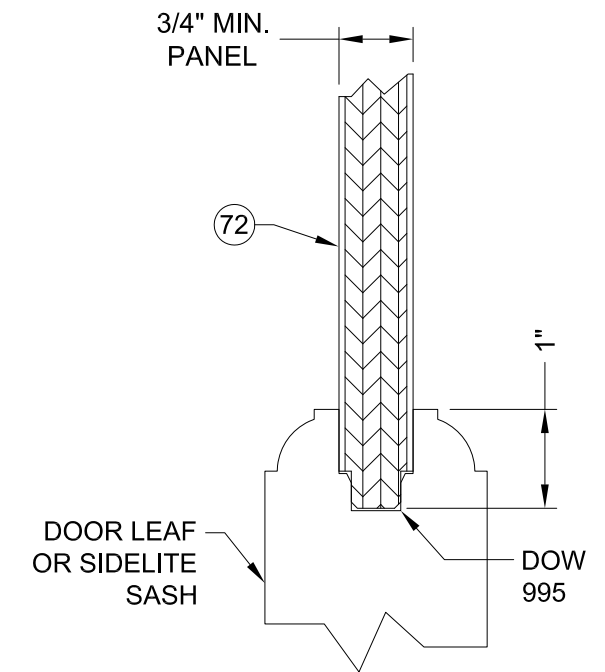
**GENERAL NOTES**

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 1886, ASTM E 1996, AND MEETS THE REQUIREMENTS OF THE 2018 INTERNATIONAL RESIDENTIAL CODE AND INTERNATIONAL BUILDING CODE. INSWING DOORS ARE 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 OR IN NONHABITABLE AREAS. OUTSWING DOORS ARE RATED FOR WATER INFILTRATION RESISTANCE UP TO 60 PSF POSITIVE DESIGN PRESSURE.
3. ALLOWABLE CONFIGURATIONS ARE AS SHOWN, AND INCLUDE INSWING OR OUTSWING DOORS, SINGLE OR DOUBLE, WITH OR WITHOUT TRANSOM.
4. THE DESIGN PRESSURE RATINGS IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 04/09 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 TEXAS-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.

**IMPACT RATED 2-1/4" WOOD SINGLE DOOR, INSWING OR OUTSWING, WITH OR WITHOUT SIDELITE(S) AND/OR TRANSOM**



**TYPICAL GLAZING  
DETAIL**



**TYPICAL PANEL DETAIL**

FLAT PANEL SHOWN,  
RAISED PANEL  
ALLOWED WITH SAME  
MIN. CORE AS FLAT

DESIGN PRESSURE AND LOCKING HARDWARE TABLE					
Door Configurations	Door Description	Inswing		Outswing	
		Pos. DP (psf)	Neg. DP (psf)	Pos. DP (psf)	Neg. DP (psf)
X	Single Door 3'6 x 10'0 Arch Top, using Schlage F51 Knob / B60N Deadbolt	55	70	60	60
X	Single Door 3'6 x 10'0 Arch Top, using Hoppe HLS 9000 Round Bolt 3-pt Lock	65	70	65	65
X, OX, XO, OXO, O/X, O/OX, O/XO, O/OXO	3'6 x 10'0 Single Door w/ or w/out Transom, and w/ or w/out Boxed Sidelite(s) & Combination Reinforced Mullion, using Schlage F51 Knob / B60N Deadbolt	55	70	60	60
X, OX, XO, OXO, O/X, O/OX, O/XO, O/OXO	3'6 x 10'0 Single Door w/ or w/out Transom, and w/ or w/out Boxed Sidelite(s) & Combination Reinforced Mullion, using Endura Trillanium 3000 3-pt Lock	65	70	65	65

**NOTE: DOOR LOCKSTILES AT SIDELITE MULLS REQUIRE 3-POINT LOCK.**

**TABLE OF CONTENTS:**

1. NOTES, GLAZING/PANEL DETAILS
2. ELEVATIONS
3. HORIZ. DOOR SECT. DETAILS, INSTALLATION TABLE
4. VERTICAL DOOR SECTION DETAILS
5. TRANSOM/MULLION SECTION DETAILS
6. PART DRAWINGS
7. BILL OF MATERIALS, SILL DWGS

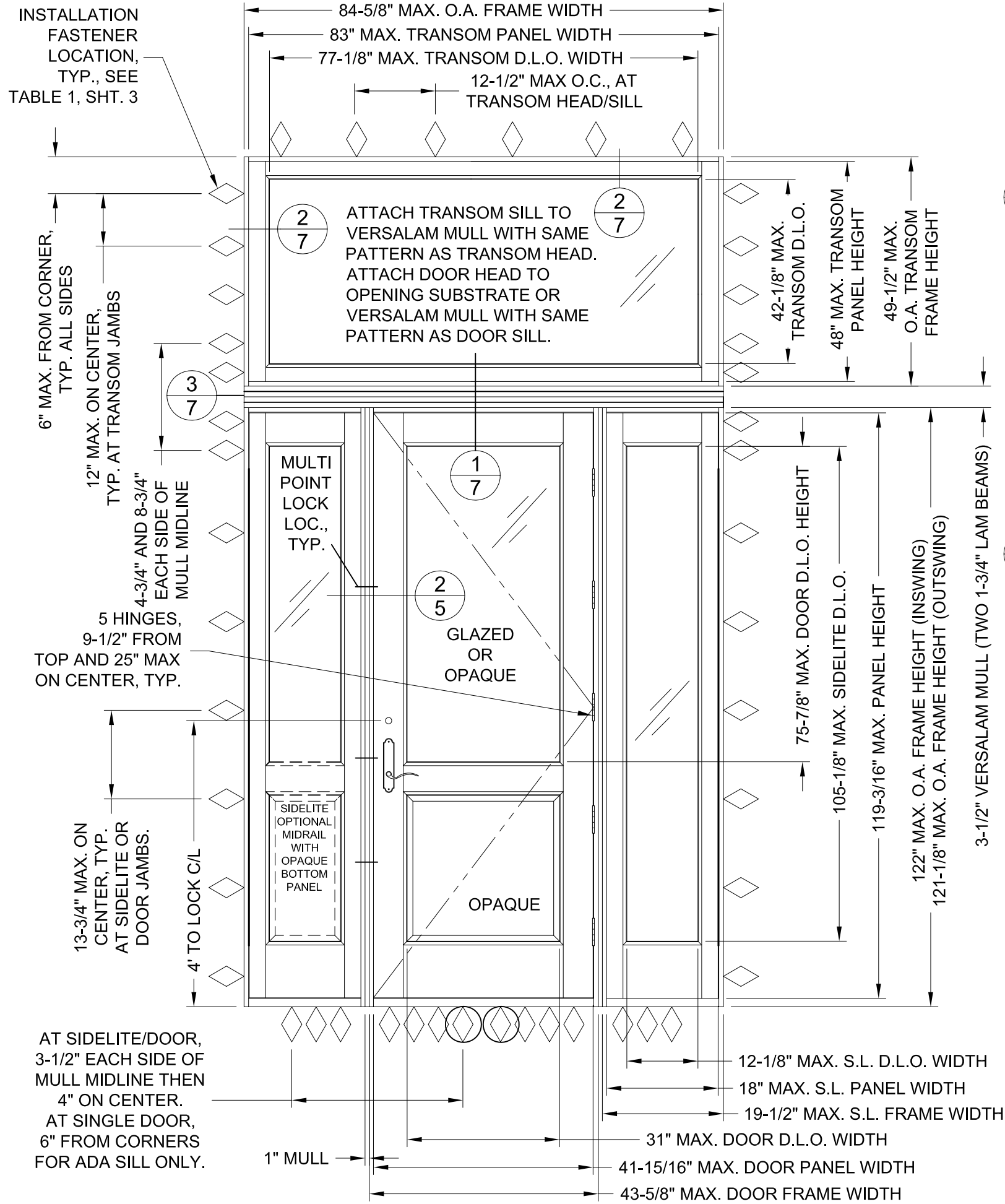


123 NE BEACON DR.  
GRANTS PASS, OR 97526  
PH. (541) 479-5028 Ext. 124

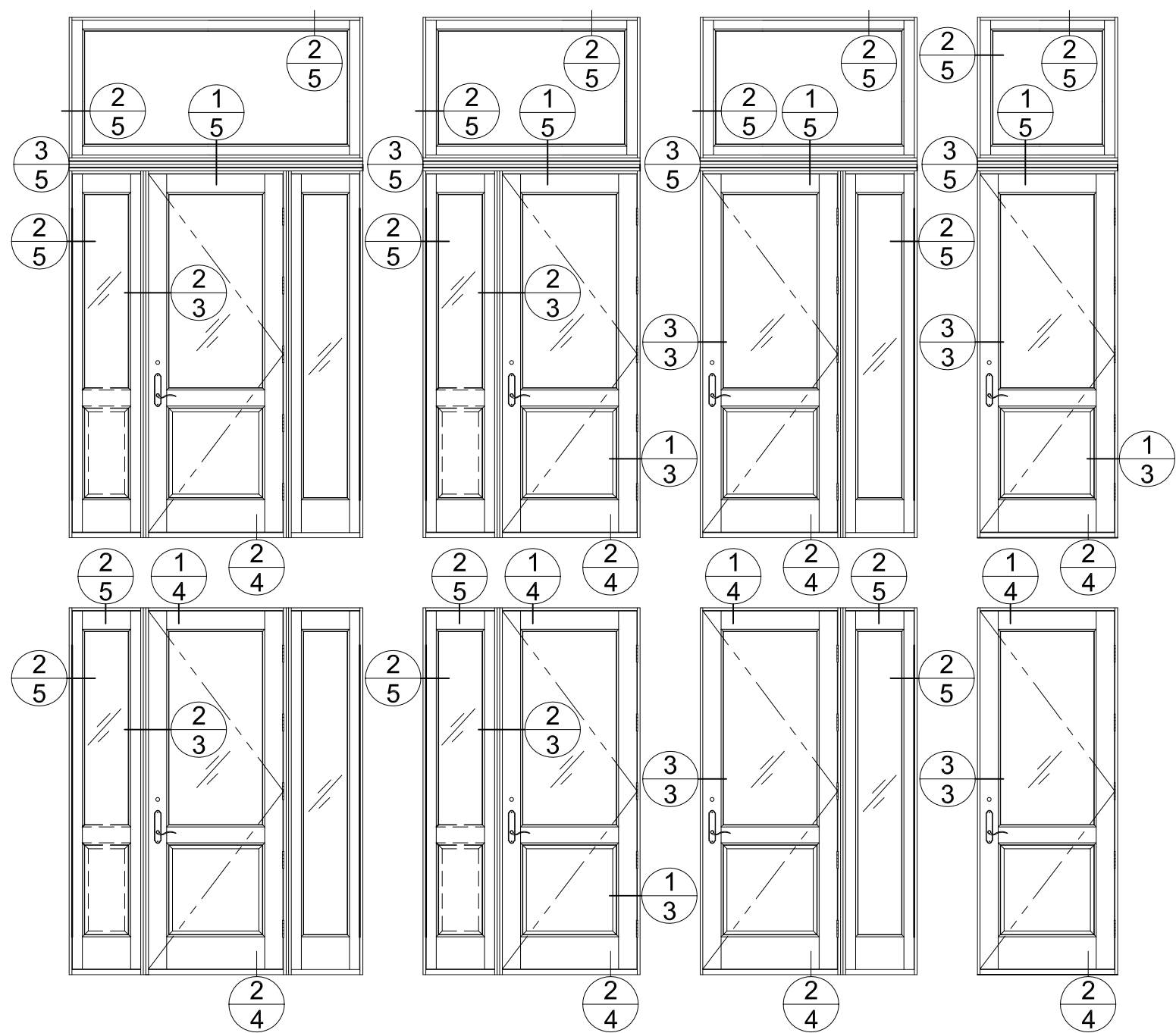
SHEET DESCRIPTION: NOTES, GLAZING/PANEL DETAILS	DATE DRAWN: 11/18/2021
	REV: 0
DRAWING: Rogue-LMI-10ft-TDI	SHEET: 1 OF 7



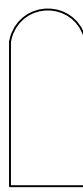
11/18/2021  
Lucas A. Turner, P.E.  
TX PE #115094  
2428 Old Natchez Trc Trl  
Camden, TN 38320  
Ph. 941-380-1574



**SAMPLE ELEVATION**



**SAMPLE QUALIFIED CONFIGURATIONS**



SINGLE DOOR ARCH TOP CONFIGURATION ALSO ALLOWED USING DETAILS IN THIS DRAWING, WITH EXCEPTION THAT ARCH TOP HAS 4 HINGES LOC. 13-5/8" FROM BOTTOM THEN 27-3/4" O.C.

CIRCLED ANCHORS REQUIRED IN WOOD SUBSTRATES ONLY



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

SHEET DESCRIPTION: DOOR ELEVATIONS	DATE DRAWN: 11/18/2021
	REV: 0
DRAWING: Rogue-LMI-10ft-TDI	SHEET: 2 OF 7



11/18/2021  
Lucas A. Turner, P.E.  
TX PE #115094  
2428 Old Natchez Trc Trl  
Camden, TN 38320  
Ph. 941-380-1574

ALL DETAILS THIS SHEET:  
OUTSWING SHOWN,  
INSWING SIMILAR  
INSTALLTION

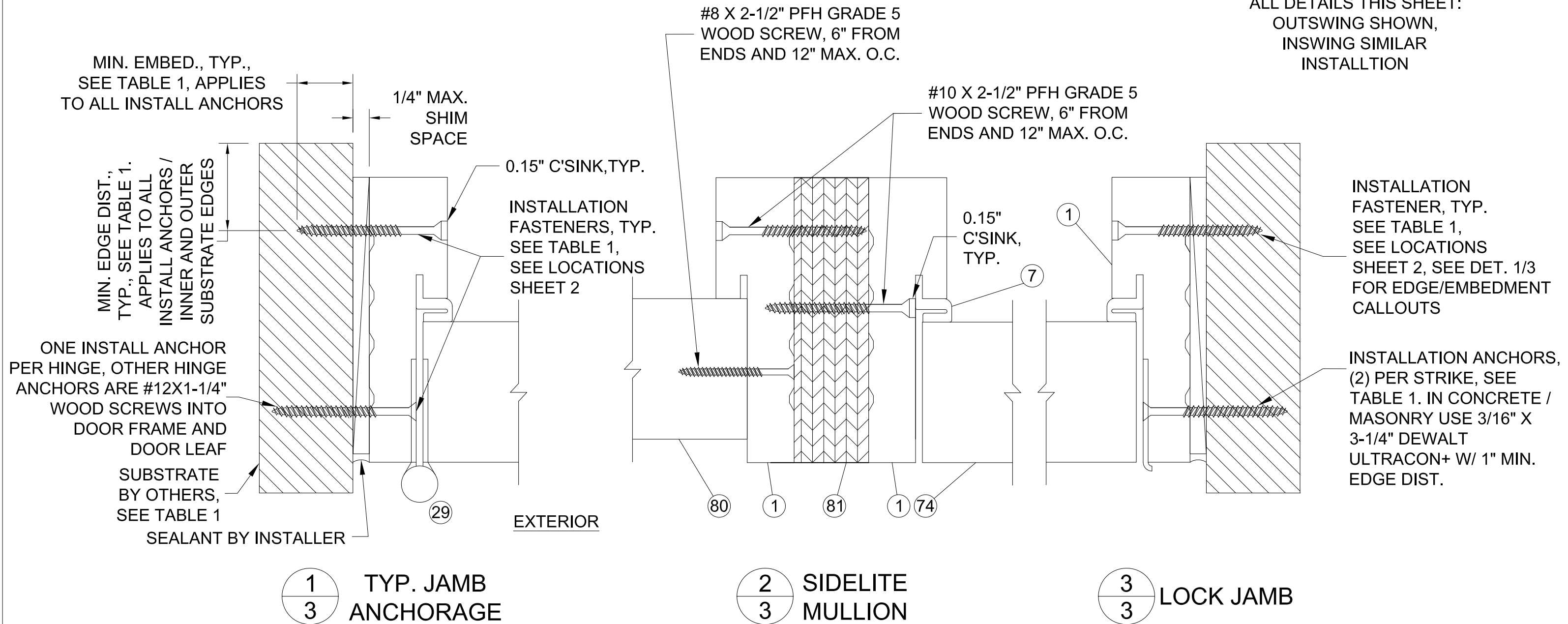


TABLE 1: INSTALLATION ANCHOR REQUIREMENTS TABLE (ALL ANCHORS FLAT HEAD)

ANCHOR TYPE	SUBSTRATE TYPE	MIN. EMBED.	MIN. EDGE DIST.
1/4" ITW TAPCON W/ ADVANCED THREADFORM TECHNOLOGY	CONCRETE (2.0 KSI MIN)	1"	1 1/2"
	HOLLOW OR GROUT-FILLED CMU* (117 PCF MIN.)	1"	2"
1/4" DEWALT ULTRACON+	CONCRETE (3.05 KSI MIN.)	1-3/8"	1"
	HOLLOW OR GROUT-FILLED CMU* (ASTM C-90)	1-1/4"	1"
#10 GRADE 5 WOOD SCREW	2X MIN. SOUTHERN PINE WOOD (G=0.55)	1-1/2"	1"
#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	16 GAUGE (0.060") MIN. STEEL STUD, 33KSI YIELD MIN., OR 1/8" ALUM. 6063-T5 MIN.	FULL, PLUS 3 THREADS BEYOND	1/2"

\* CMU APPLICABLE AT JAMBS ONLY

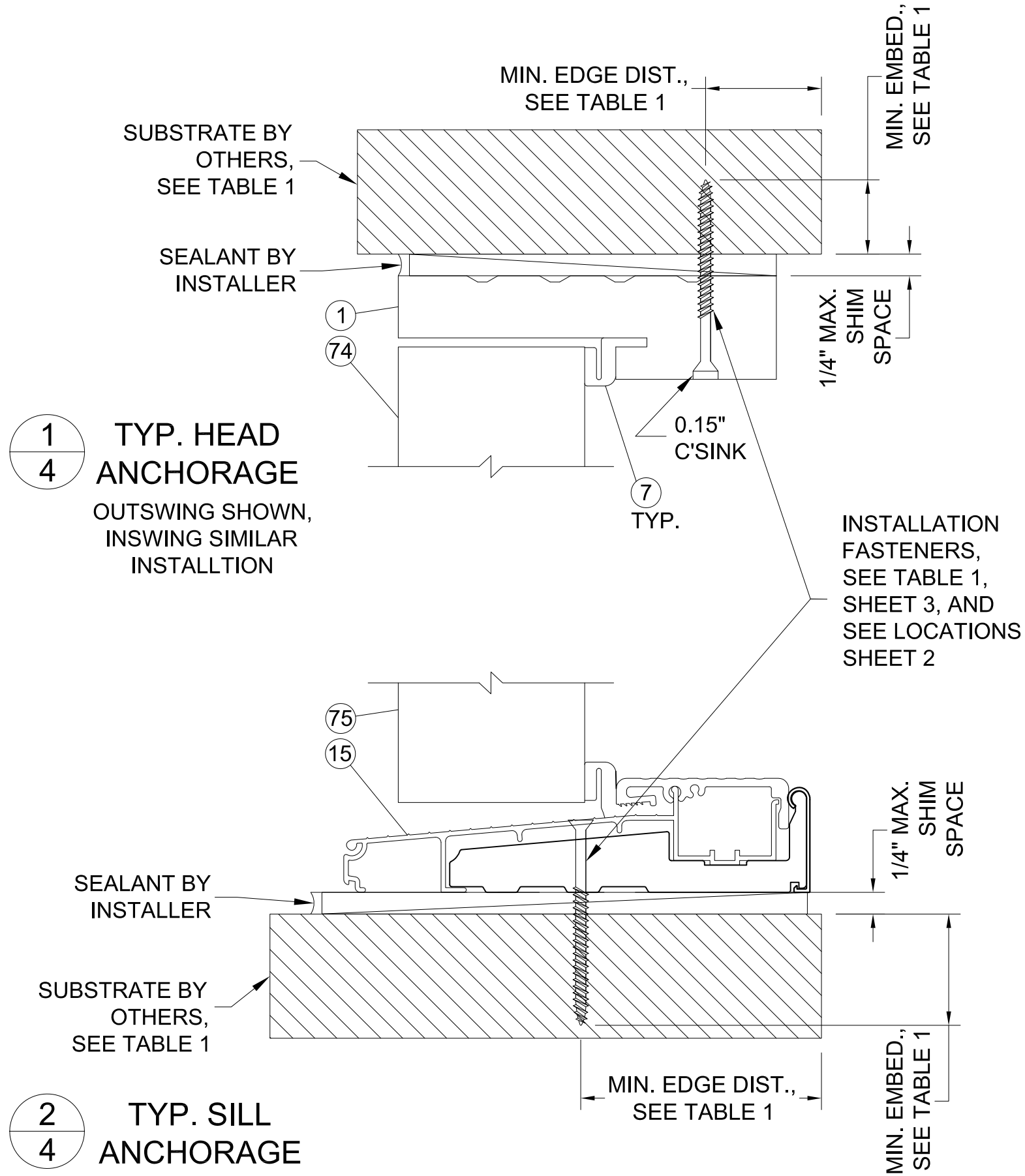
**Rogue Valley Door** 123 NE BEACON DR.  
GRANTS PASS, OR 97526  
PH. (541) 479-5028 Ext. 124

SHEET DESCRIPTION: HORIZ. DETAILS, INSTALL. TABLE	DATE DRAWN: 11/18/2021
	REV: 0
DRAWING: Rogue-LMI-10ft-TDI	SHEET: 3 OF 7



11/18/2021  
Lucas A. Turner, P.E.  
TX PE #115094  
2428 Old Natchez Trc Trl  
Camden, TN 38320  
Ph. 941-380-1574

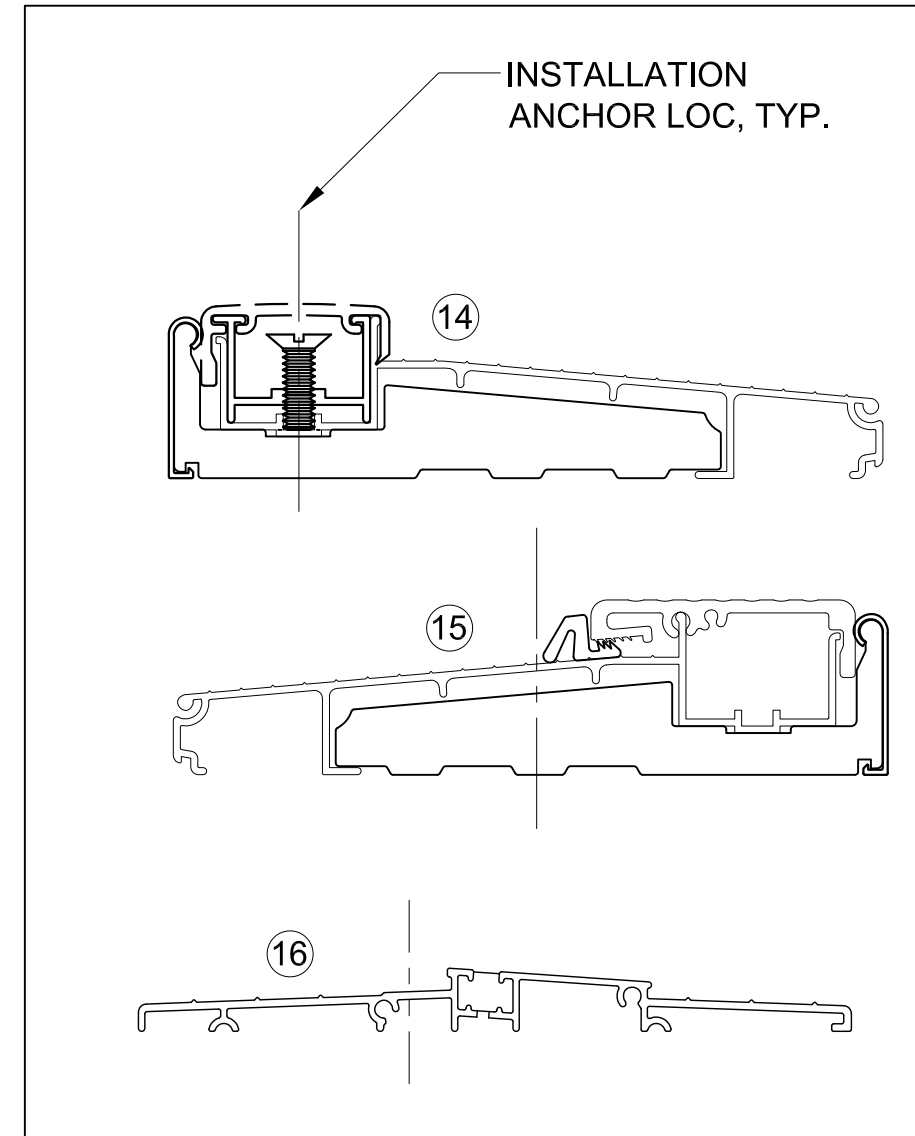




1  
4  
TYP. HEAD ANCHORAGE  
OUTSWING SHOWN,  
INSWING SIMILAR  
INSTALLTION

2  
4  
TYP. SILL ANCHORAGE

OUTSWING SHOWN, OTHER SILL TYPES SIMILAR INSTALLTION.  
SEE APPROVED SILL TYPES AND TYP. INSTALLATION ANCHOR LOCATION DETAILS, THIS SHEET



APPROVED  
SILL TYPES  
AND TYP.  
INSTALLATION  
ANCHOR  
LOCATIONS

*Rogue Valley Door*

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

SHEET DESCRIPTION:  
DOOR VERTICAL SECT. DETAILS

DATE DRAWN:  
11/18/2021

DRAWING: Rogue-LMI-10ft-TDI

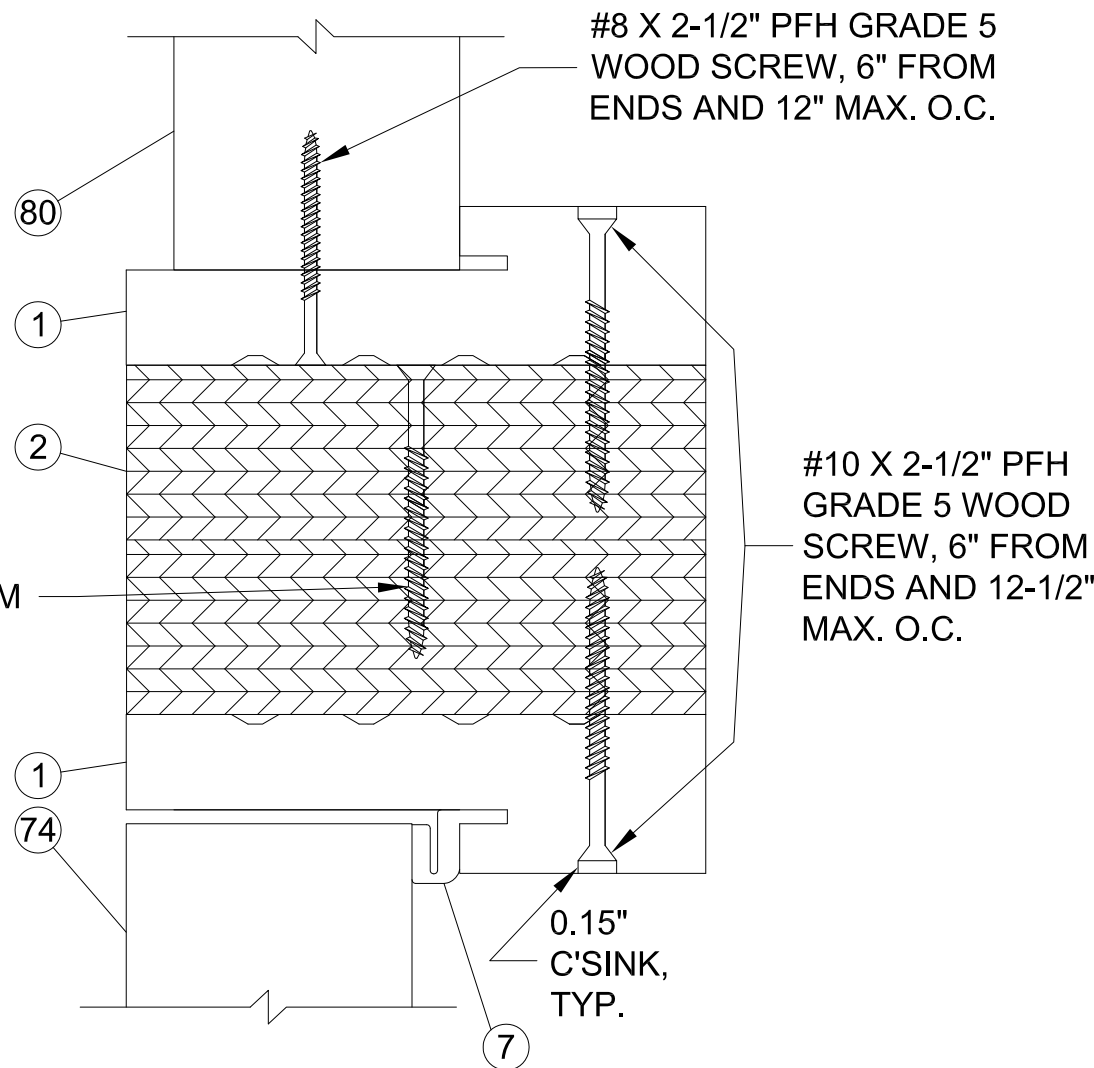
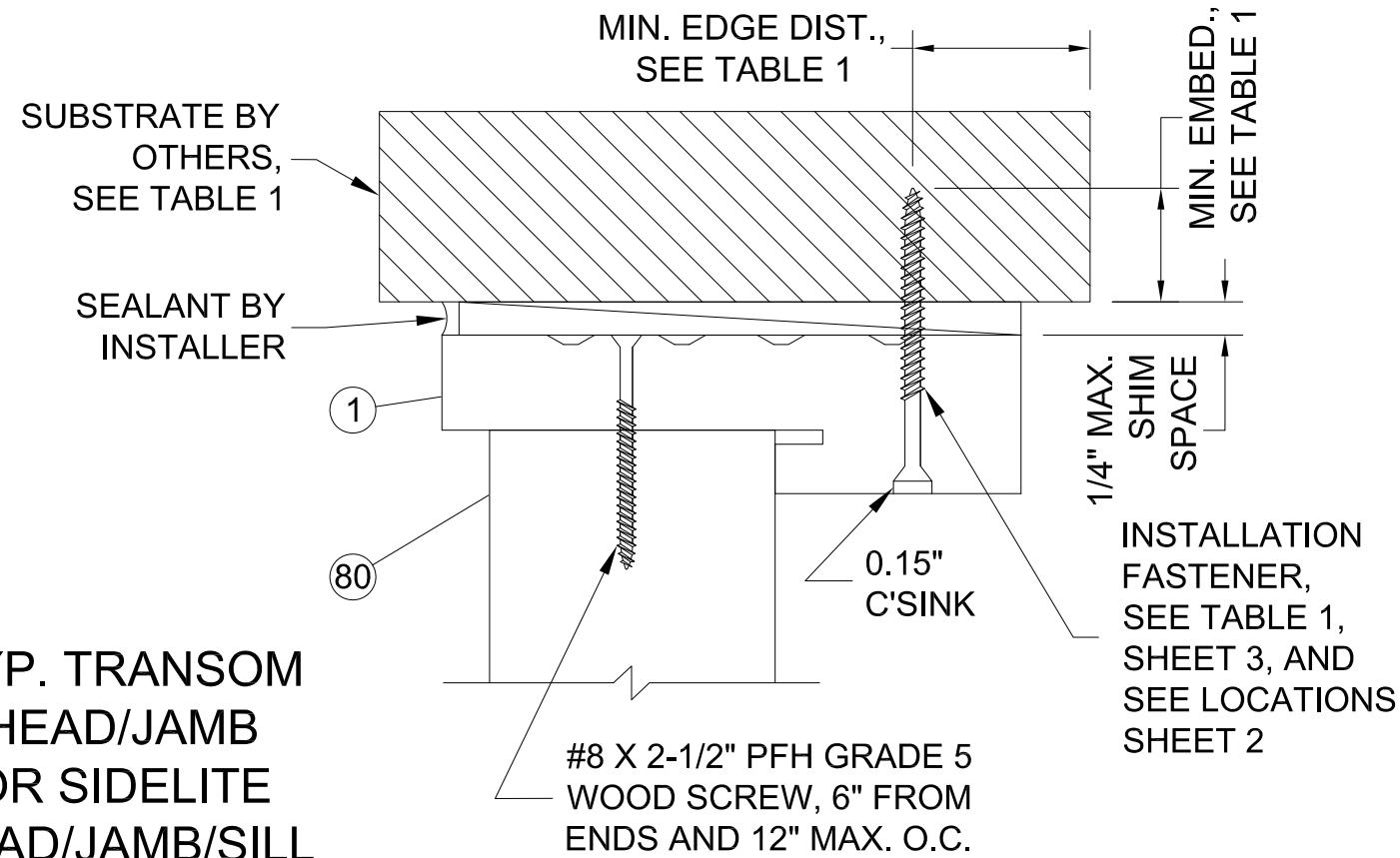
REV: 0  
SHEET: 4 OF 7



11/18/2021  
Lucas A. Turner, P.E.  
TX PE #115094  
2428 Old Natchez Trc Trl  
Camden, TN 38320  
Ph. 941-380-1574

**2**  
**5**

**TYP. TRANSOM  
HEAD/JAMB  
OR SIDELITE  
HEAD/JAMB/SILL  
ANCHORAGE**



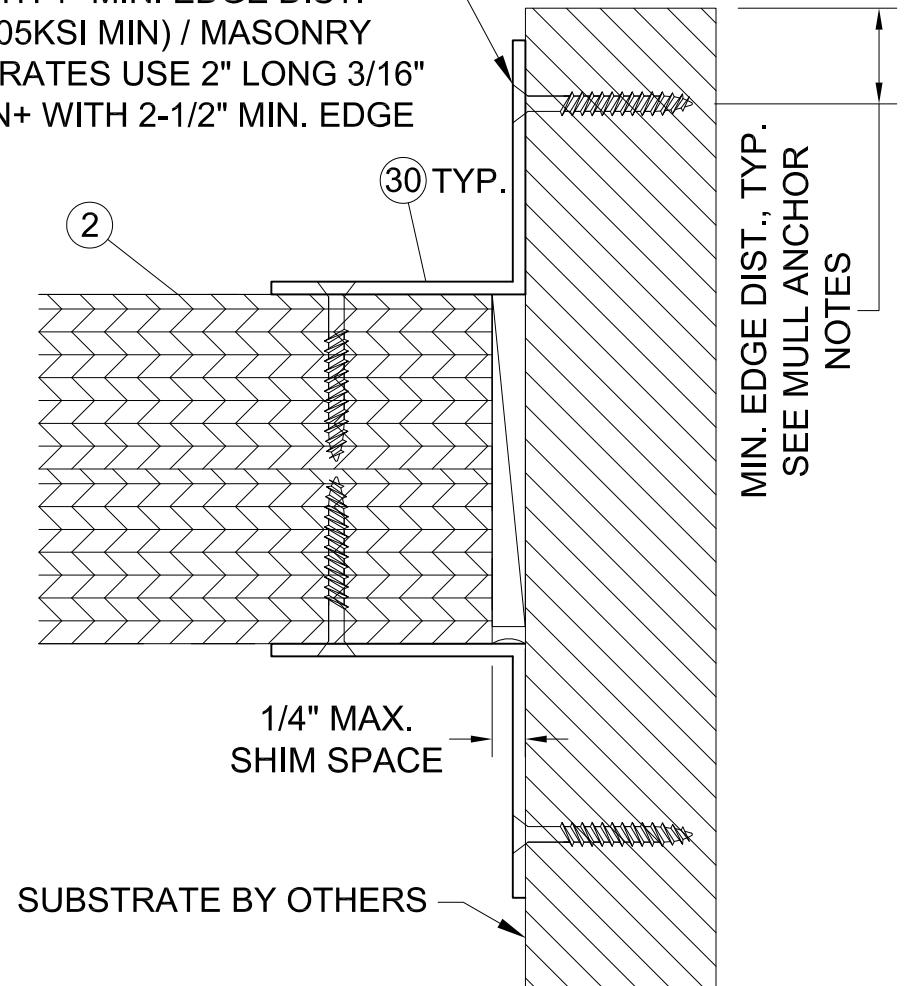
**1**  
**5**

**TRANSOM  
MULLION**

OUTSWING SHOWN,  
INSWING SIMILAR  
INSTALLTION


**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\"/>

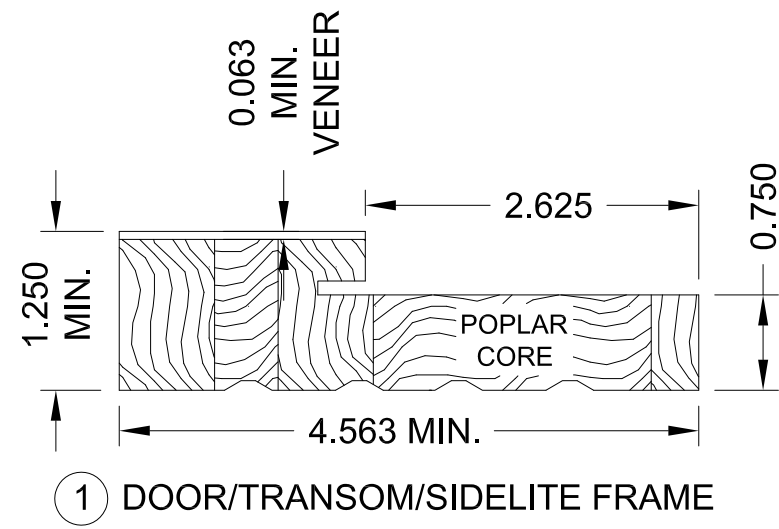


**3**  
**5**

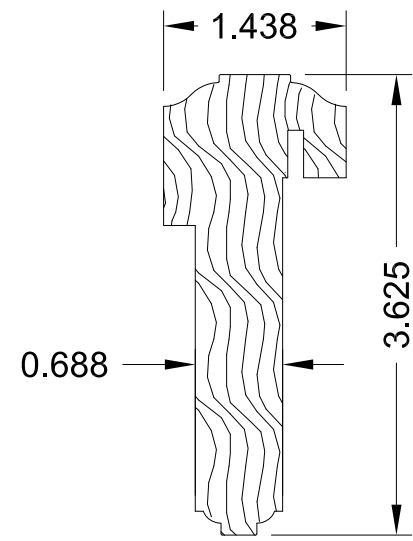
**MULLION CLIP  
ANCHORAGE**

		123 NE BEACON DR. GRANTS PASS, OR 97526 PH. (541) 479-5028 Ext. 124	
		SHEET DESCRIPTION: TRANSOM/MULL SECTION DETAILS	DATE DRAWN: 11/18/2021
DRAWING: Rogue-LMI-10ft-TDI		REV: 0	
		SHEET: 5 OF 7	

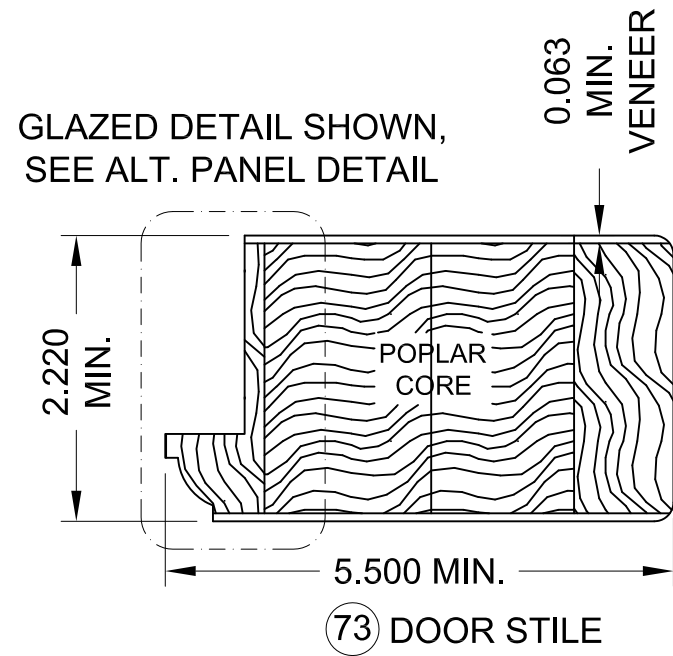




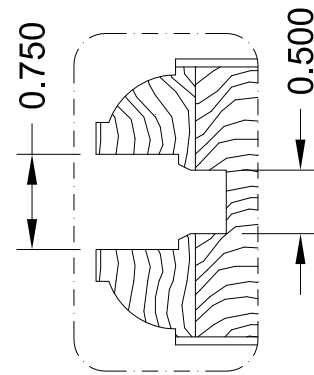
① DOOR/TRANSOM/SIDELITE FRAME



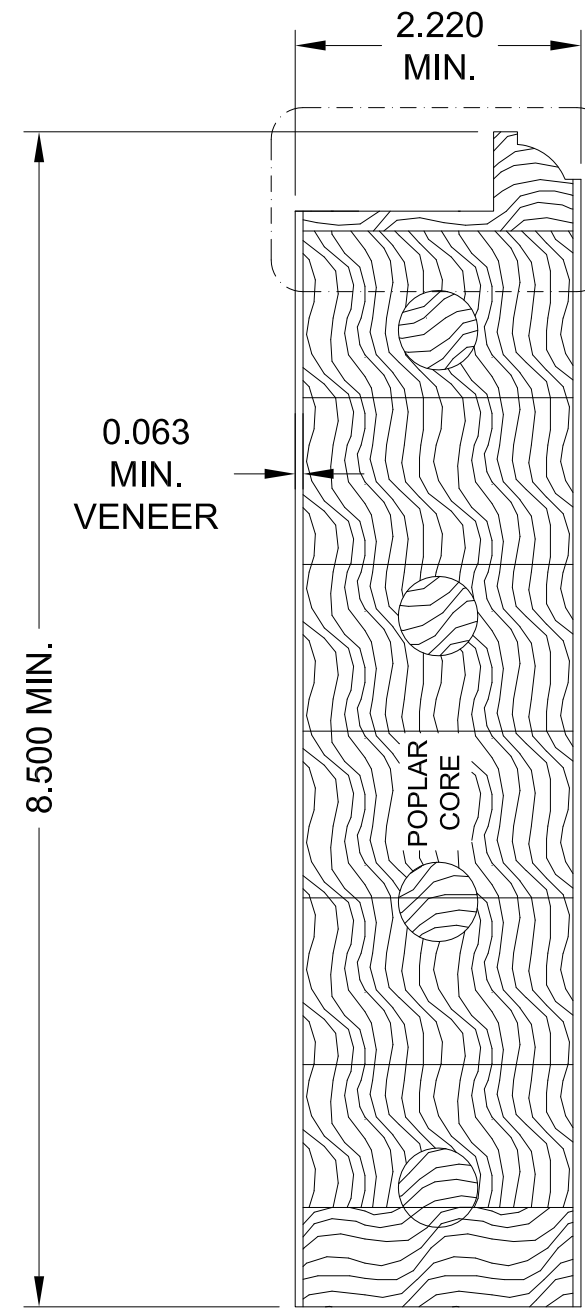
③⑤ ASTRAGAL



⑦③ DOOR STILE

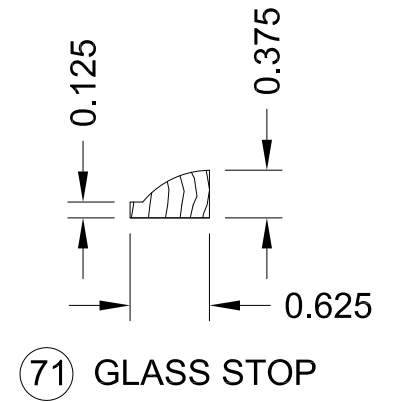


ALT. PANEL DETAIL

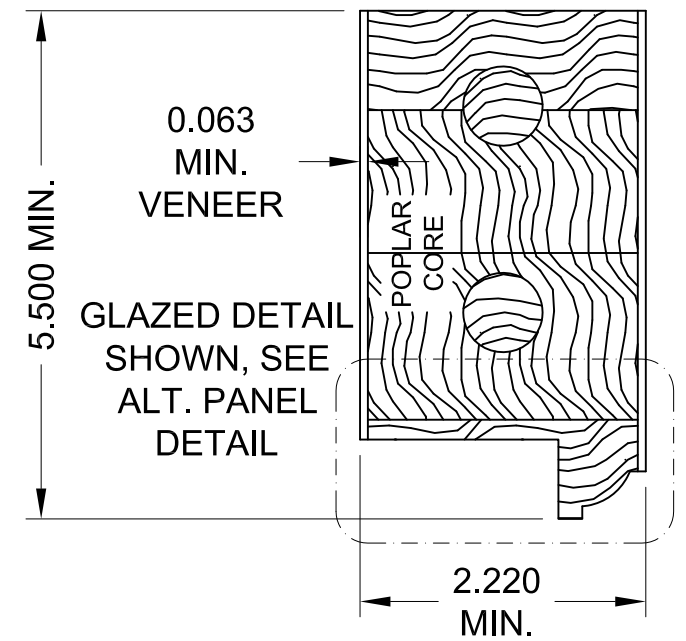


⑦⑤ DOOR BOTTOM RAIL

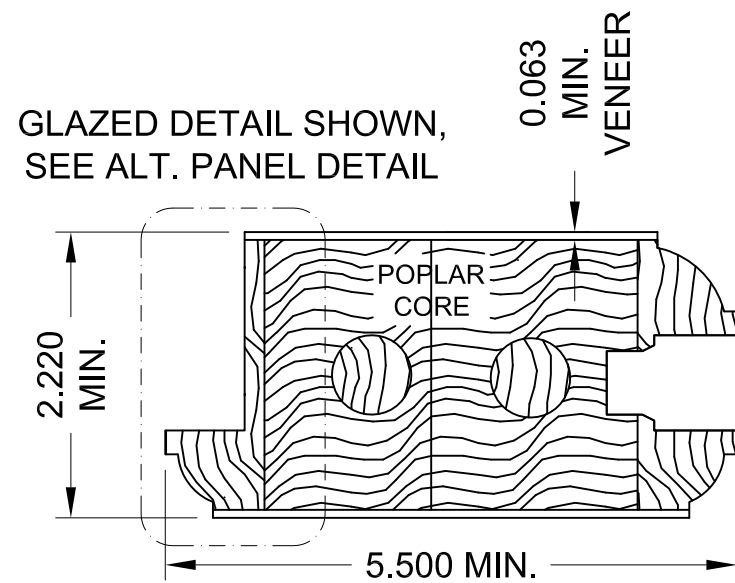
GLAZED DETAIL SHOWN, SEE ALT. PANEL DETAIL



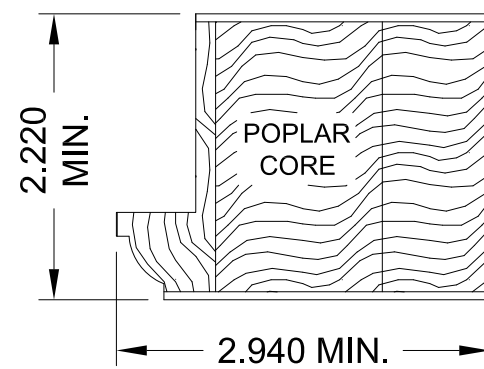
⑦① GLASS STOP



⑦④ DOOR TOP RAIL



⑦⑥ DOOR MIDRAIL



⑧① TRANSOM/SIDELITE SASH

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

*Rogue Valley Door*

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

SHEET DESCRIPTION:  
PART DRAWINGS

DATE DRAWN:  
11/18/2021

DRAWING: Rogue-LMI-10ft-TDI

REV: 0  
SHEET: 6 OF 7

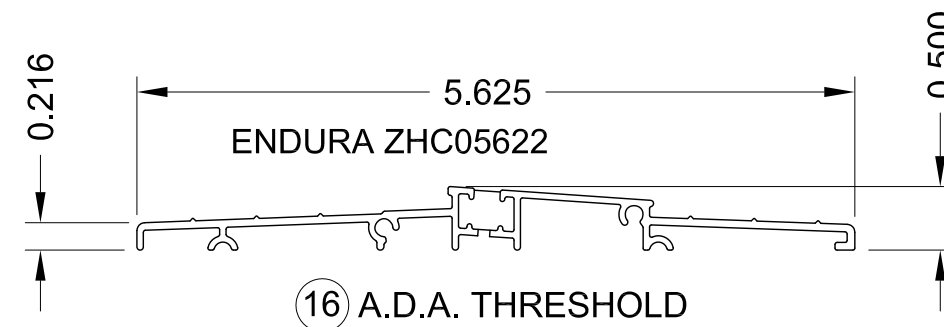
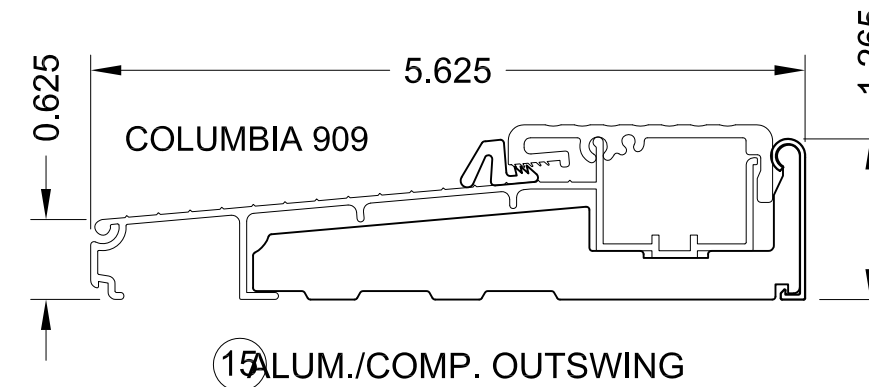
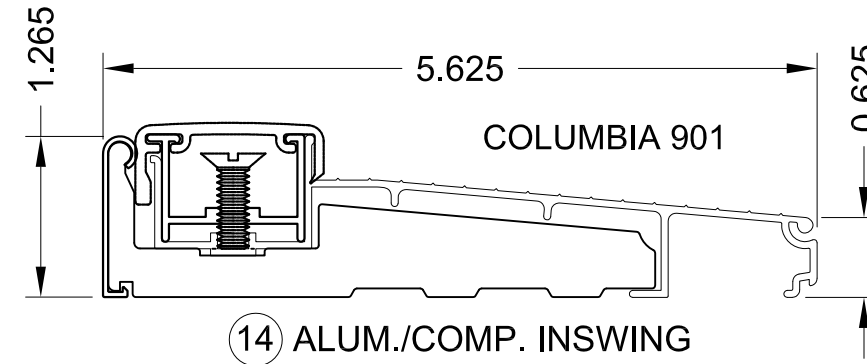


11/18/2021  
Lucas A. Turner, P.E.  
TX PE #115094  
2428 Old Natchez Trc Trl  
Camden, TN 38320  
Ph. 941-380-1574

BILL OF MATERIALS

1	DOOR/TRANSOM FRAME	WOOD
2	VERSALAM MULL, (2) 1-3/4"X4-9/16" STACKED	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
77	WOOD SILL, INSWING	WOOD
78	WOOD SILL WITH STOP, INSWING	WOOD
79	WOOD SILL, OUTSWING	WOOD
80	TRANSOM OR SIDELITE SASH	WOOD
81	VERSALAM 1"X4-9/16" 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:  
11/18/2021

DRAWING: Rogue-LMI-10ft-TDI

REV: 0  
SHEET: 7 OF 7



11/18/2021  
Lucas A. Turner, P.E.  
TX PE #115094  
2428 Old Natchez Trc Trl  
Camden, TN 38320  
Ph. 941-380-1574