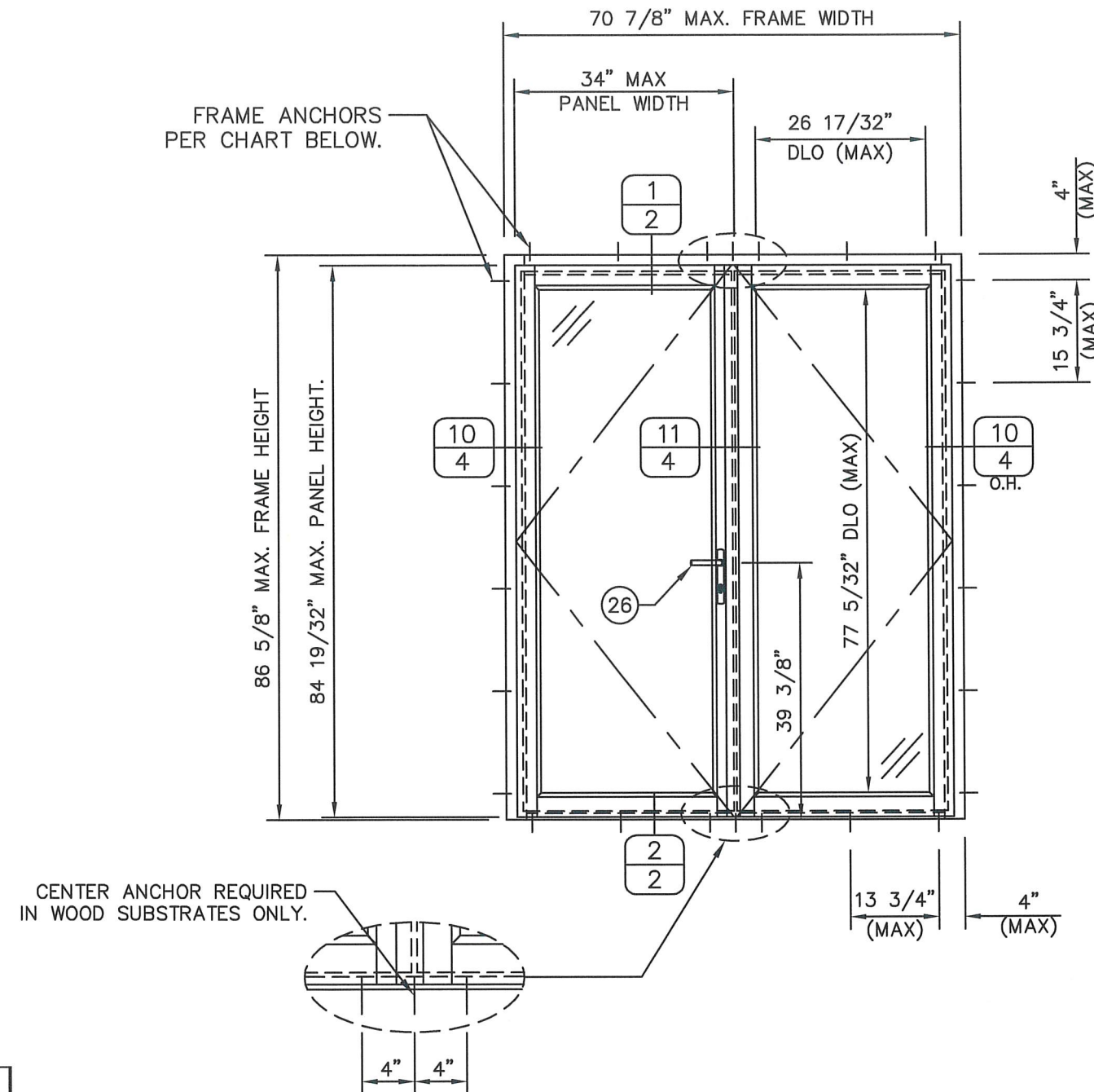


MULTIVI 66Z SERIES GLAZED WOOD OUTSWING DOORS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED PER TAS 202, ASTM E1886, AND ASTM E1996 (WIND ZONE 3, MISSILE D). IT MEETS ALL OF THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE FOR USE OUTSIDE OF THE HIGH VELOCITY HURRICANE ZONE.
2. THIS PRODUCT IS LARGE AND SMALL MISSILE IMPACT RESISTANT IN WIND ZONES 3 OR LESS. AN IMPACT RESISTANT SHUTTER SYSTEM IS REQUIRED IN WIND ZONE 4.
3. OPENING SUBSTRATES, WOOD BUCKS (OPTIONAL), AND WOOD BUCK FASTENERS ARE BY OTHERS AND MUST BE DESIGNED AND INSTALLED PER FBC REQUIREMENTS TO SAFELY TRANSFER THE LOADS FROM THIS SYSTEM TO THE BUILDING STRUCTURE. SUBSTRATES SHALL MEET THE MIN STRENGTH REQUIREMENTS LISTED IN THE ANCHOR CHART BELOW.
4. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS LISTED IN THE ANCHOR CHART BELOW, ANCHOR EMBEDMENT IN SUBSTRATE SHALL BE BEYOND ANY WALL DRESSING OR STUCCO.
5. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
6. NO INCREASES IN ALLOWABLE STRESS FOR SHORT-TERM LOADING HAVE BEEN USED IN THE DESIGN OF THIS SYSTEM. THE 1.6 Cd FACTOR HAS BEEN USED IN THE ANALYSIS OF WOOD SCREWS ONLY.
7. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS PER FBC REQUIREMENTS.
8. ALL WOOD SHAPES ARE MADE FROM AMERICAN OAK (S.G.=0.68, E=1.7x10 psi min).
9. CORNER CONSTRUCTION – SEE SHEET 5/5.



ANCHOR CHART			
SUBSTRATE	FASTENER TYPE	MINIMUM EMBEDMENT	MIN EDGE DISTANCE
WOOD (S.G. = 0.42 min)	#10 DIA. WOOD SCREWS (SAE Gr. 2 min)	1 1/2"	1"
METAL STUDS (16 Ga, Fut=45 ksi min)	#10 DIA. TEKS-TYPE THREAD FORMING SCREWS	FULL*	1"
CONCRETE (3150 ksi, MIN)	3/16" DIA. DEWALT ULTRACON CONCRETE SCREW	1 3/4"	2 1/2"
CMU BLOCK (ASTM C90, MIN) (JAMBS ONLY)	3/16" DIA. DEWALT ULTRACON CONCRETE SCREW	1 3/4"	2 1/2"

* METAL SCREWS MUST FULLY PENETRATE THE WALL OF THE METAL STUD, WITH THREE ADDITIONAL THREADS BEYOND.

EXTERIOR ELEVATION
(NOT TO SCALE)

DESIGN PRESSURE

+/- 32 PSF



SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33411
(561) 225-1982

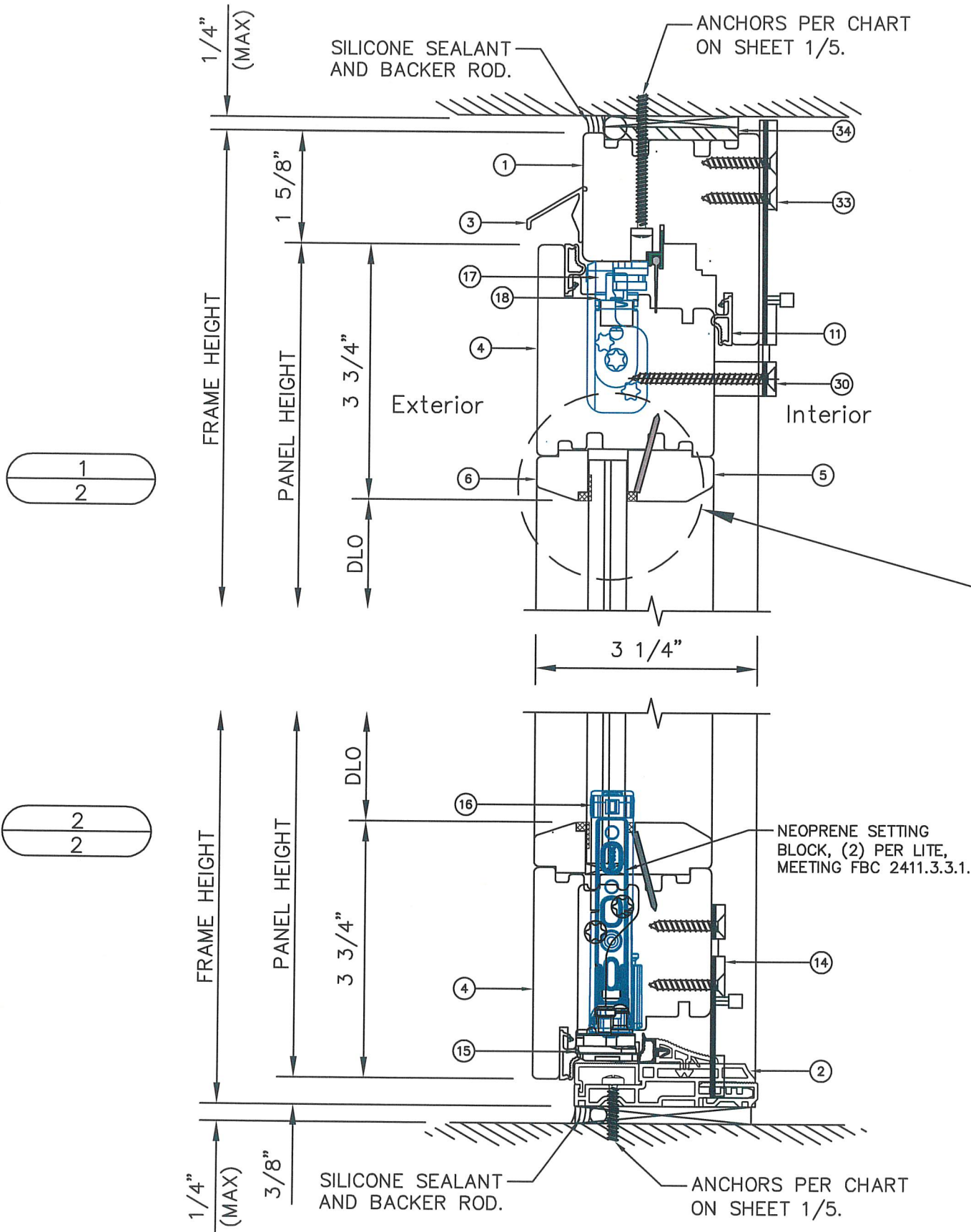


MULTI S.A. DE C.V.
CARRIL DE SAN CRISTOBAL 134-A
PARK INDUSTRIAL CHACHAPA
AMAZOC DE MOTA, PUEBLA, MEXICO 72990
PH: +52 (222) 2 40 33 00
+521 (222) 7 08 78 67

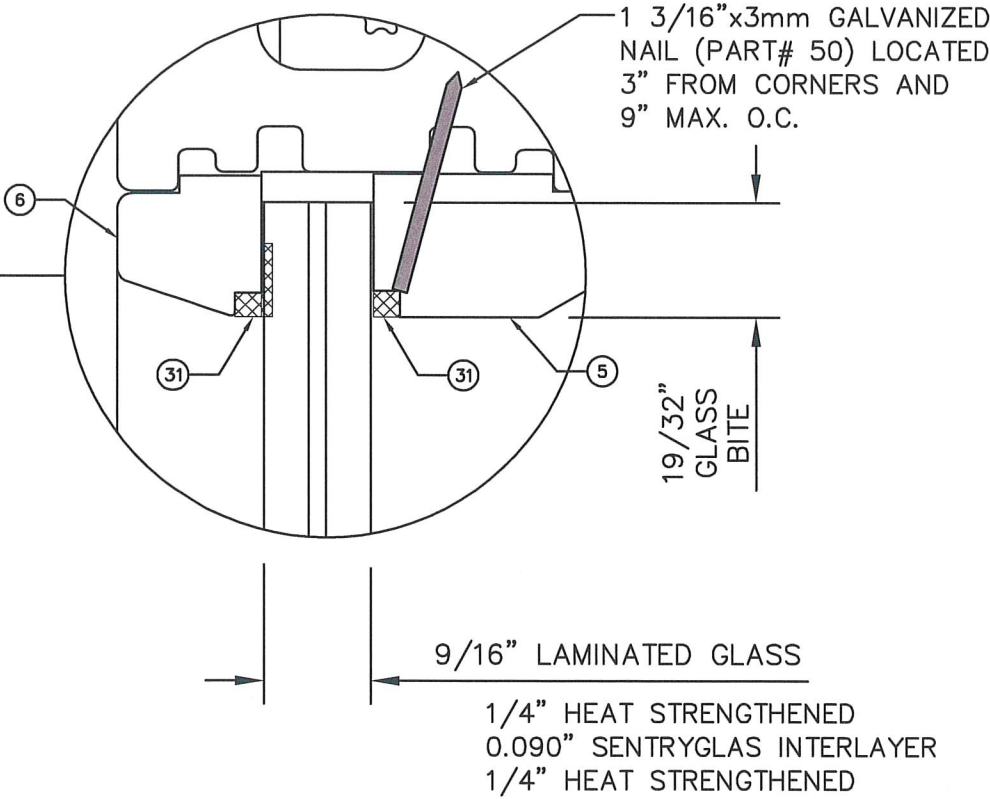
DWG: 66ZD-WZ3
SHEET: 1/5

/5

MULTIVI 66Z SERIES GLAZED WOOD OUTSWING DOORS



GLAZING DETAIL

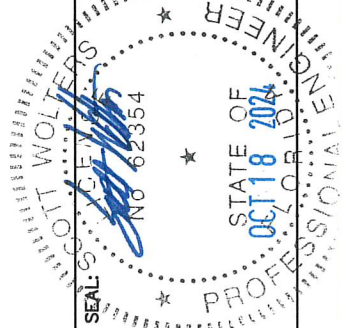


MULTIVI S.A. DE C.V.
CARRIL DE SAN CRISTOBAL 134-A
PARK INDUSTRIAL CHACHAPA
AMOC DE MOTA, PUEBLA, MEXICO 72990
PH: +52 (222) 2 40 33 00
+521 (222) 7 08 78 67

DWG: 66ZD-WZ3
SHEET: 2/5

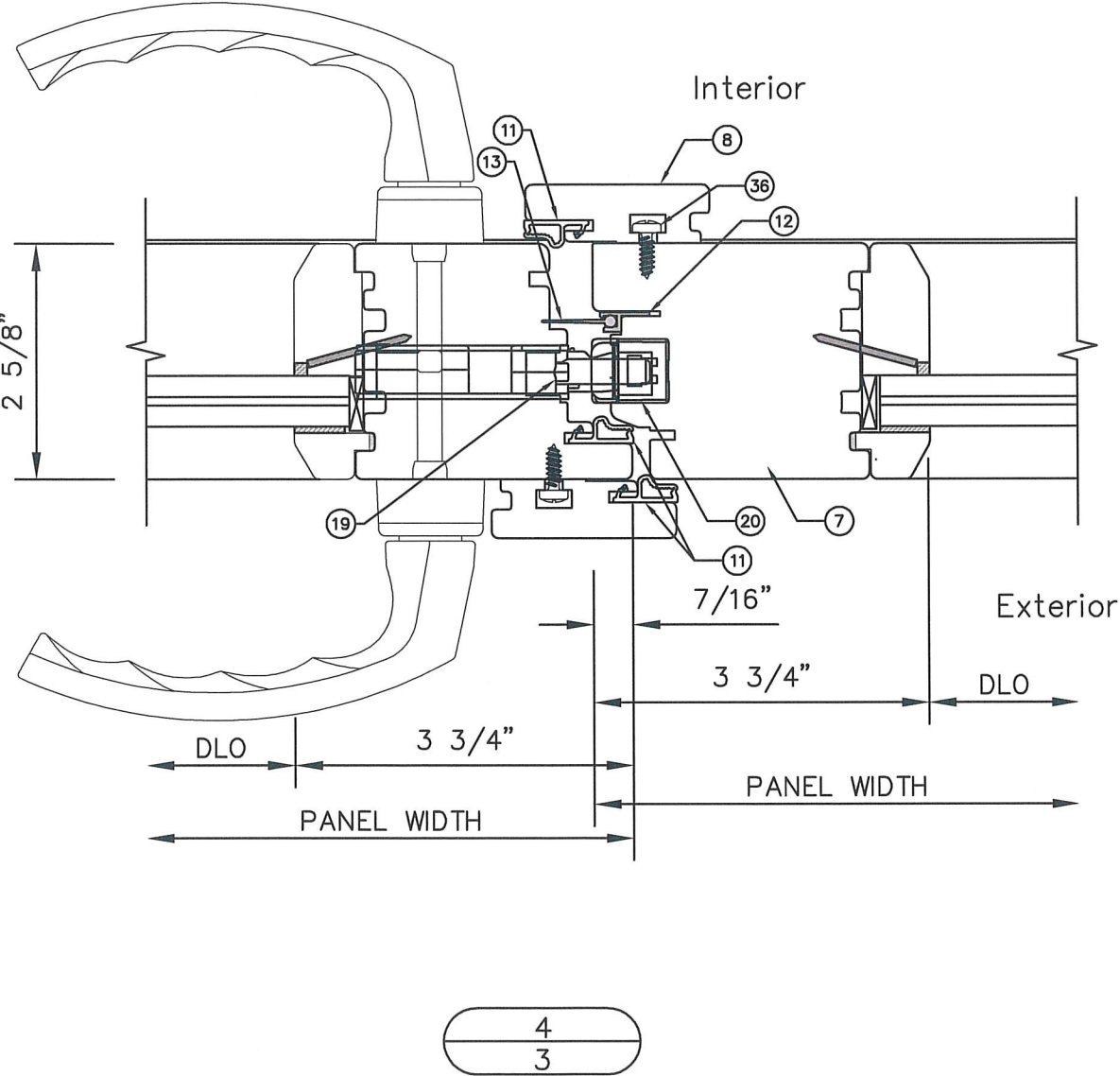
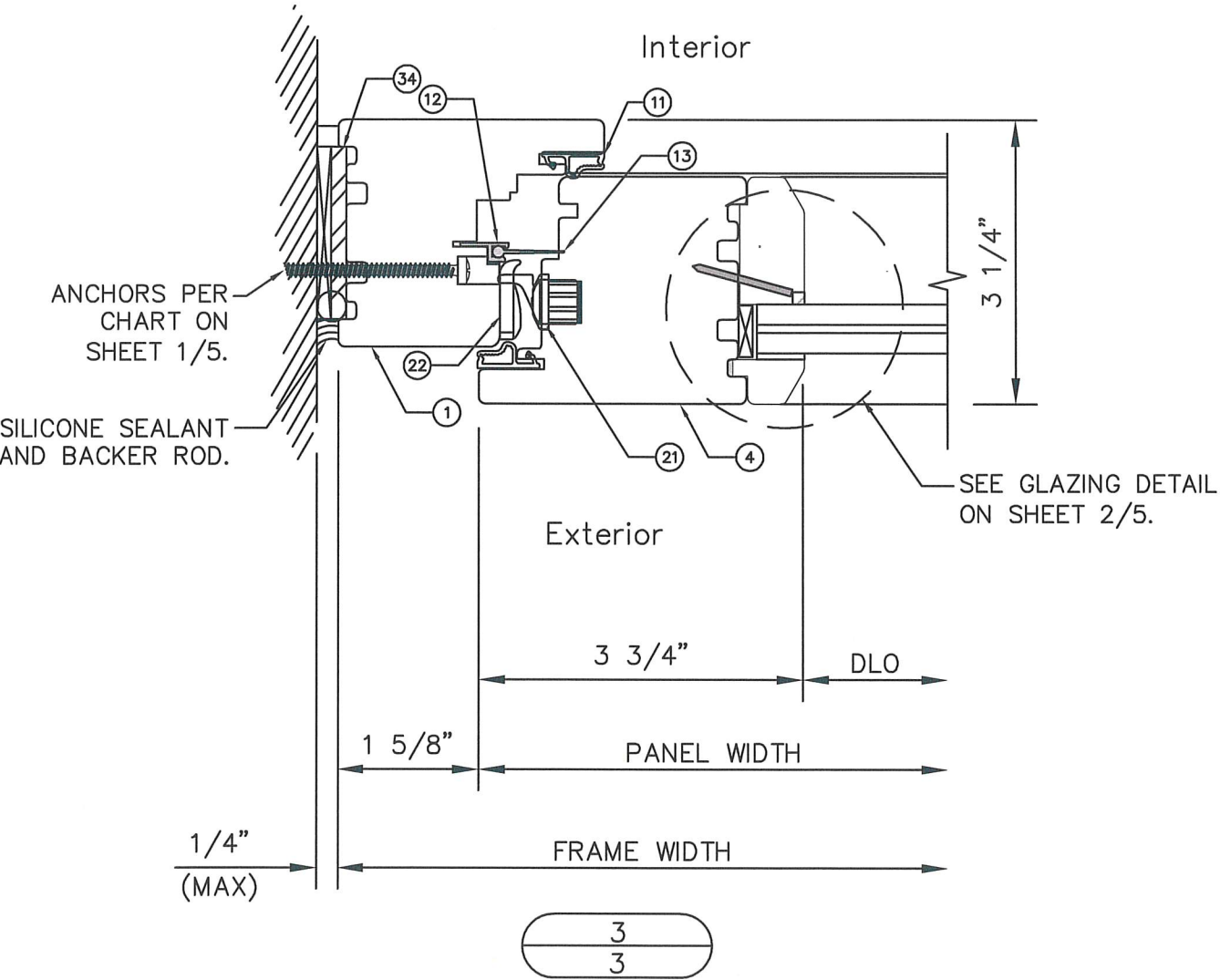
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
(561) 225-1982



REV.#	ISSUED FOR	DATE
1	1ST SUBMITTAL	4/24/23
2	PRINTS	
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		

MULTIVI 66Z SERIES GLAZED WOOD OUTSWING DOORS





MULTIVI S.A. DE C.V.
CARRIL DE SAN CRISTOBAL 134-A
PARK INDUSTRIAL CHACHAPA
AMOZOC DE MOTA, PUEBLA, MEXICO 72990

DWG: 66ZD-WZ3
SHEET: 3/5

SCOTT WOLTERS
FL PE# 82354

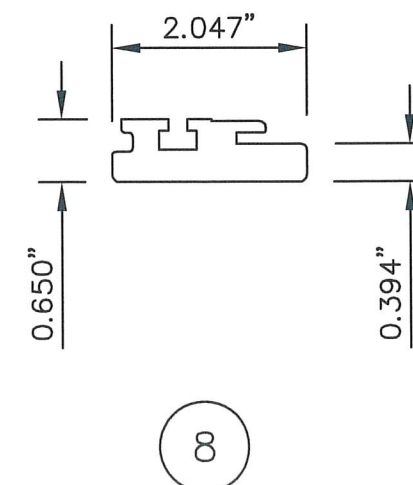
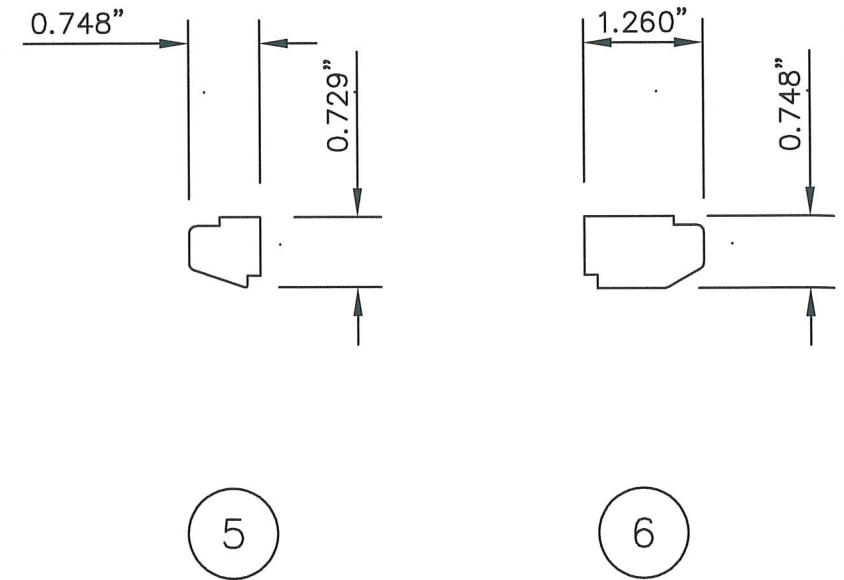
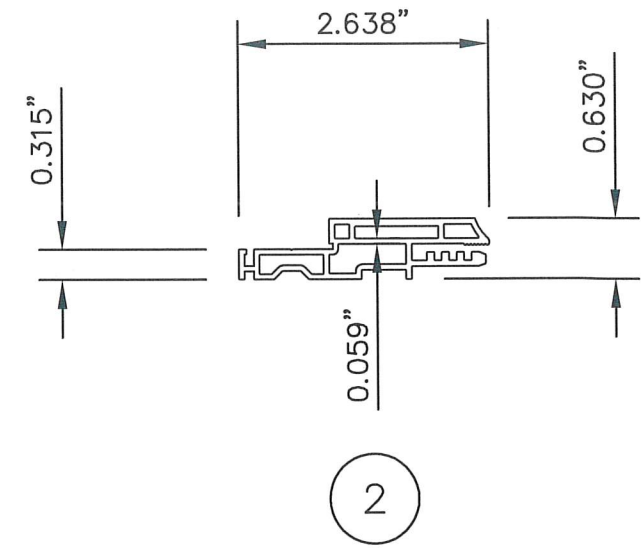
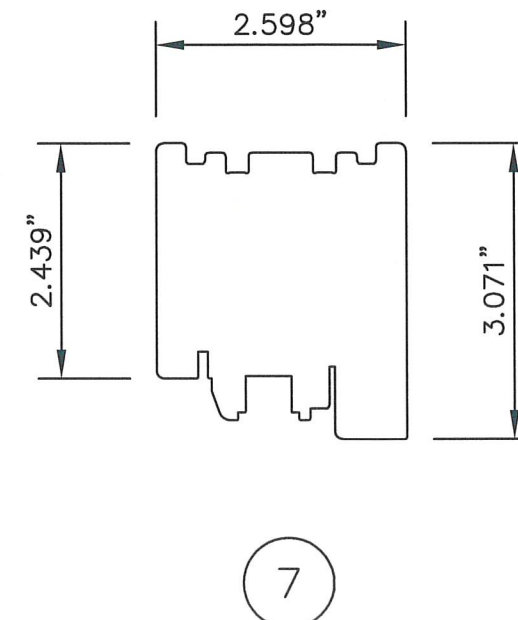
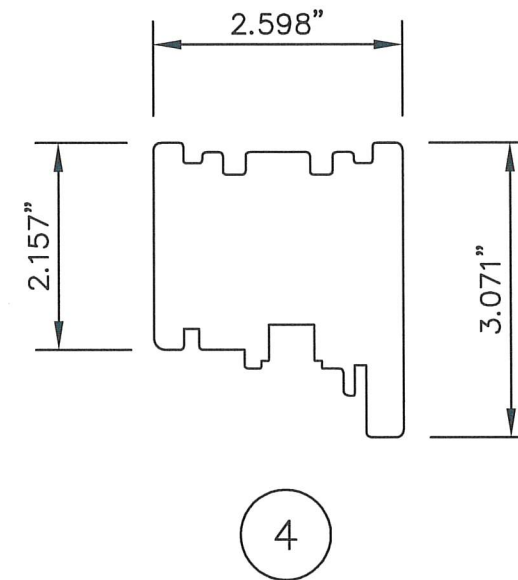
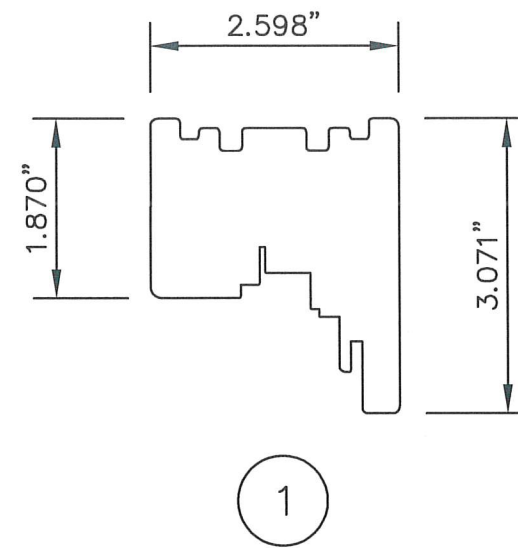
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
(561) 225-1982

SEAL: SCOTT WOLTERS
NO 62354
OCT 18 2024
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REV#	DATE	PRINTS ISSUED FOR
1	4/24/23	TEST SUBMITTAL
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

MULTIVI 66Z SERIES GLAZED WOOD OUTSWING DOORS

BILL OF MATERIALS			
NO.	DESCRIPTION	MATERIAL	NOTES
01	FRAME HEAD/JAMB	AMERICAN OAK	
02	THRESHOLD	6063-T5 ALUMINUM	
03	DRIP EDGE	AMERICAN OAK	
04	DOOR STILE/RAIL	AMERICAN OAK	
05	INTERIOR GLASS STOP	AMERICAN OAK	
06	EXTERIOR GLASS STOP	AMERICAN OAK	
07	DOOR STILE	AMERICAN OAK	
08	ASTRAGAL	AMERICAN OAK	SET IN SEALANT
11	FRAME GASKET	EPDM	
12	GASKET ADAPTOR	6063-T5 ALUMINUM	
13	SASH GASKET	NEOPRENE	
14	FLUSH BOLT		
15	MACO MULTI POWER HINGE SUPPORT	STAINLESS STEEL	EVOLUTION TRI-COAT
16	MACO MULTI POWER CORNER HINGE	STAINLESS STEEL	EVOLUTION TRI-COAT
17	MACO MULTI POWER CORNER HINGE	STAINLESS STEEL	EVOLUTION TRI-COAT
18	MACO MULTI POWER CORNER HINGE	STAINLESS STEEL	EVOLUTION TRI-COAT
19	LOCK BOLT	STAINLESS STEEL	EVOLUTION TRI-COAT
20	STRIKE PLATE	STAINLESS STEEL	EVOLUTION TRI-COAT
21	CONCEALED PRESSURE CLOSER	STAINLESS STEEL	
22	CONCEALED PRESSURE CLOSER	PLASTIC	
25	FLUSH BOLT STRIKE PLATE	STEEL	EVOLUTION TRI-COAT
26	HANDLE	STEEL A60	
27	1/4" x 4" HH CAP SCREW	STAINLESS STEEL	
28	FRAME CORNER PINS	AMERICAN OAK	
29	3/16" x 1" x 1 1/4" SUPPORT BAR	STAINLESS STEEL	
30	5/16" x 2" FHSM SCREW	STAINLESS STEEL	
31			
33	5/16" x 3" FHSM SCREW	STAINLESS STEEL	
34	3/16" x 1 15/16" x 3" SUPPORT BAR	STAINLESS STEEL	
35	THRESHOLD SEALING KIT	NEOPREAN	
36	5/16" x 2" PHSM SCREW	STAINLESS STEEL	



Professional Engineer Seal for Scott Wolters, No. 62354, State of California, dated 08/18/2024.

SCOTT WOLTERS
FL PE# 62354

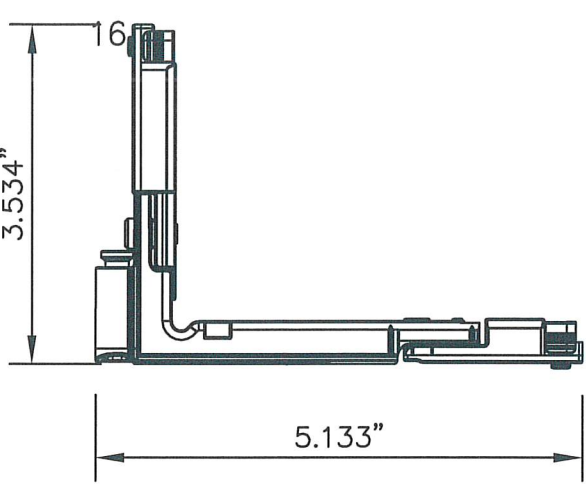
MULTIVI S.A. DE C.V.
CARRIL DE SAN CRISTOBAL 134-A
PARK INDUSTRIAL CHACHAPA
AMAZOC DE MOTA, PUEBLA, MEXICO 72990

PH: +52 (222) 2 40 33 00
+521 (222) 7 08 78 67

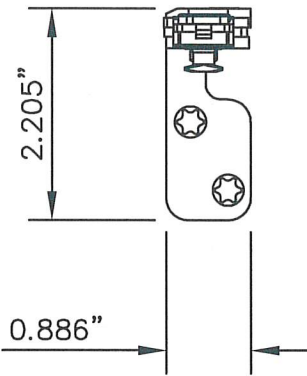
DWG:	66ZD-WZ3
SHEET:	4/5

MULTIVI 66Z SERIES GLAZED WOOD OUTSWING DOORS

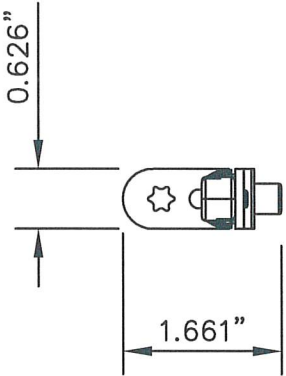
CORNER CONSTRUCTION:



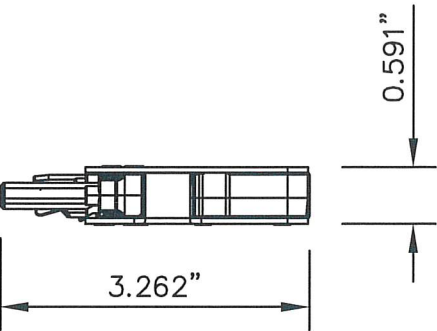
16



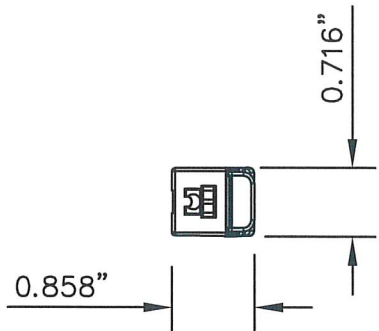
17



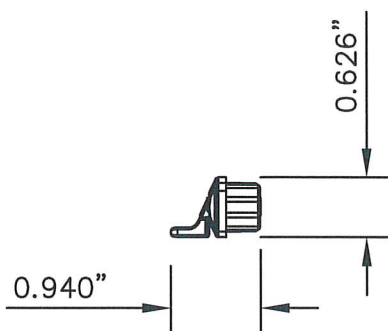
18



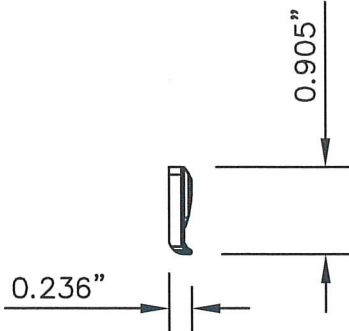
19



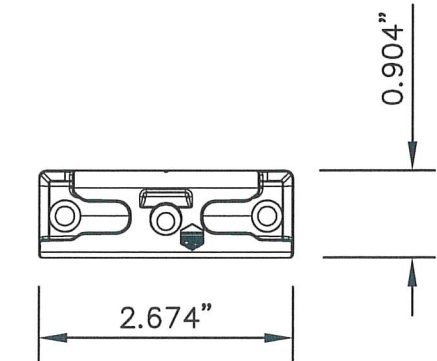
20



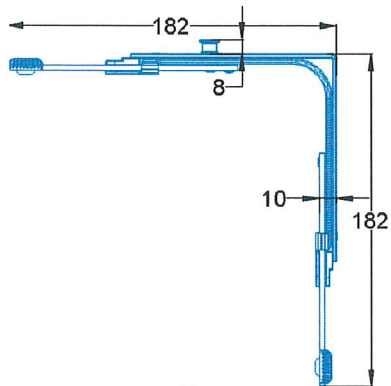
21



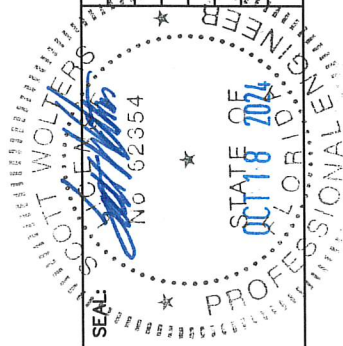
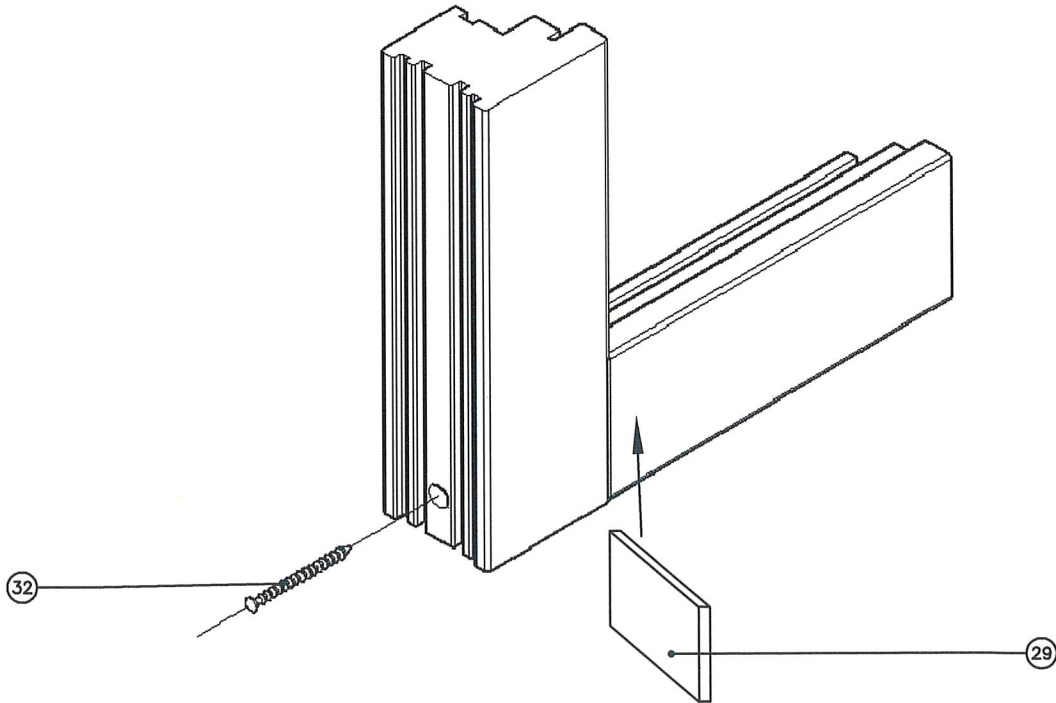
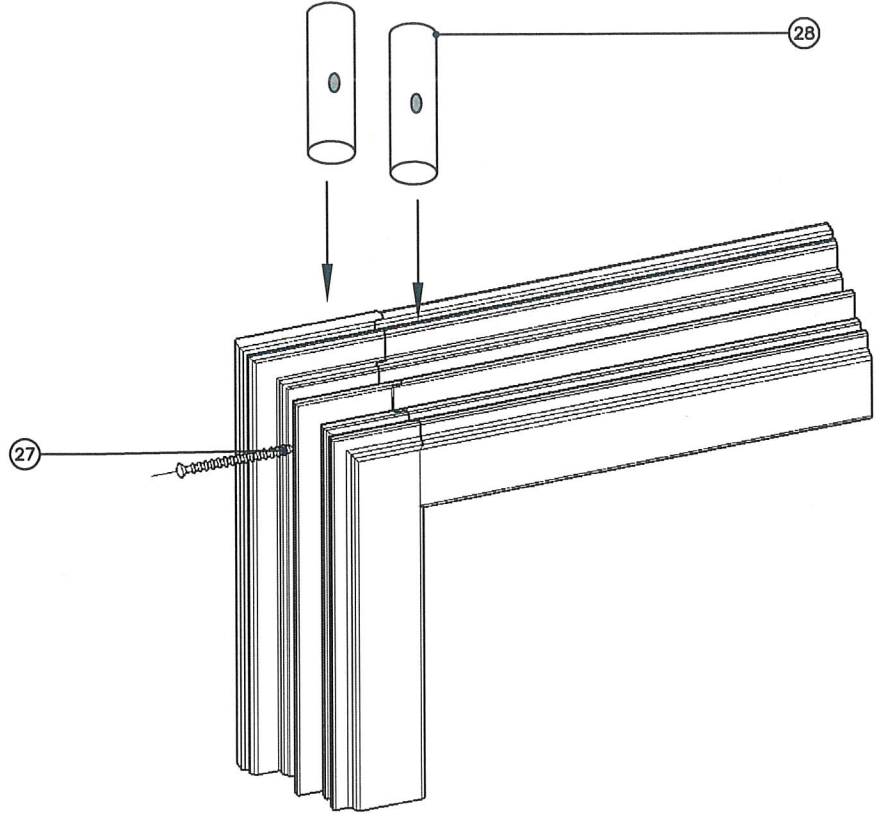
22



23



24



SCOTT WALTERS
FL PE# 62354
WALTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
(561) 225-1982



MULTIVI S.A. DE C.V.
CARRIL DE SAN CRISTOBAL 134-A
PARK INDUSTRIAL CHACHAPA
AMOCOC DE MOTA, PUEBLA, MEXICO 72990
PH: +52 (222) 2 40 33 00
+521 (222) 7 08 78 67

DWG: 66ZD-WZ3
SHEET: 5/5

REV.#	DATE	PRINTS ISSUED FOR
1	4/24/23	TEST SUBMITTAL
2		
3		
4		
5		
6		
7		
8		
9		
10		