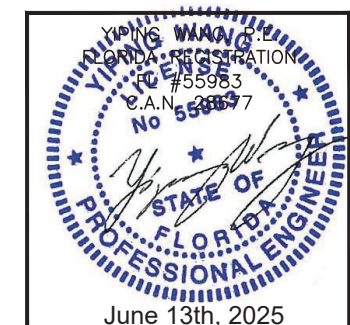




ALLOWABLE DESIGN LOADS			
DIMENSIONS (INCH)		GLASS TYPE	Pd(PSF)
F.W. (MAX.)	F.H. (MAX.)		
80 1/4"	96"	G4	+/-95
86"	120"	G1 / G2 / G3 / GP	+/-95
86"	120"	G5 / G6	+/-90
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC.			

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FL # 41359.1



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TEL. (305) 624-7775

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GLAZING CONSULTANTS

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MIRAMAR, FL 33027 P: 305 588 5224
www.MCYEngineering.com mcy@mcysengineering.com

R4	06/13/2025	James	REVISION
Rev. No.	Date	Drawn By	Description

Drawn Date	Drawn By
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E1

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OF 12



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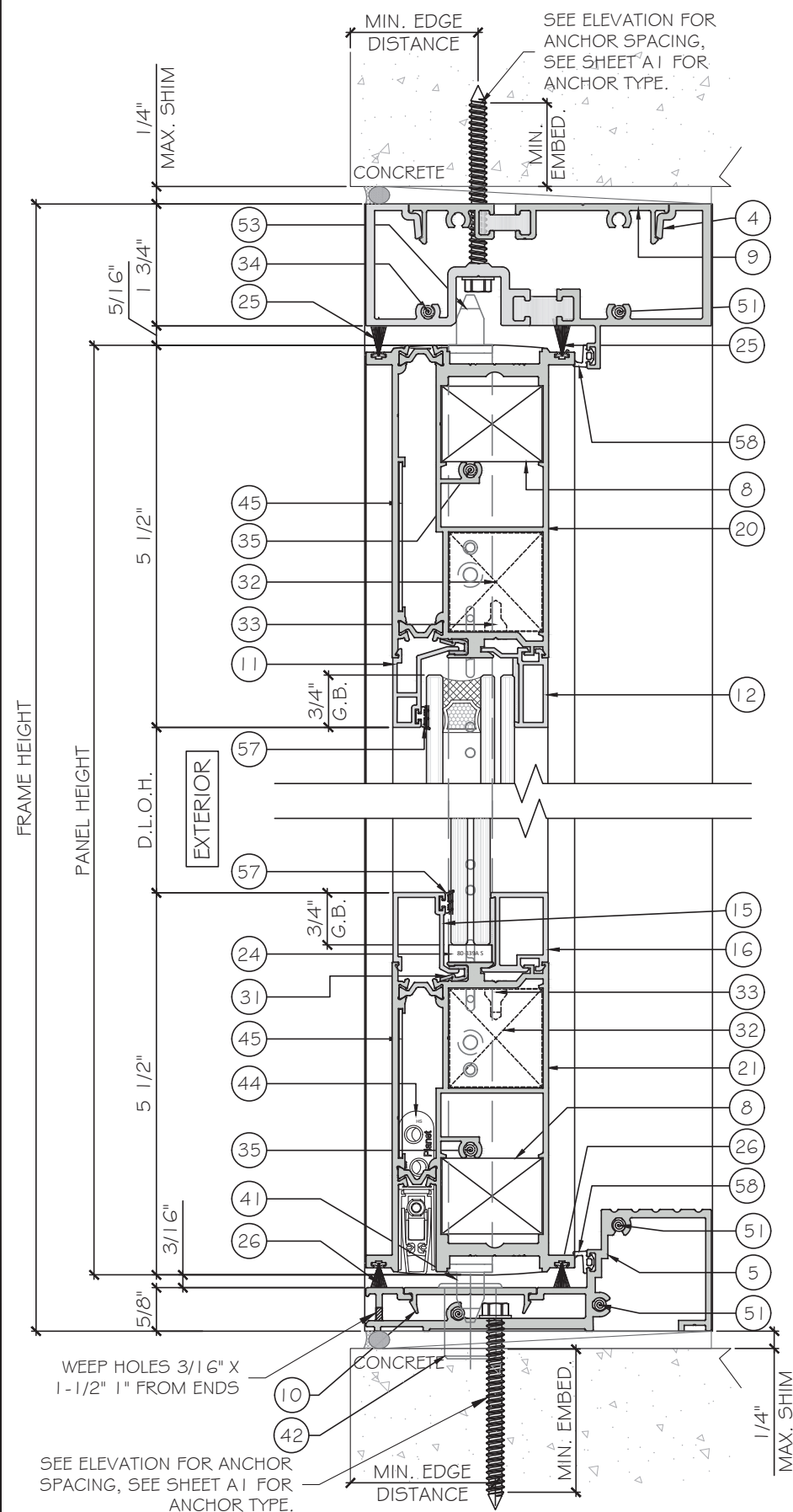
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I
D3

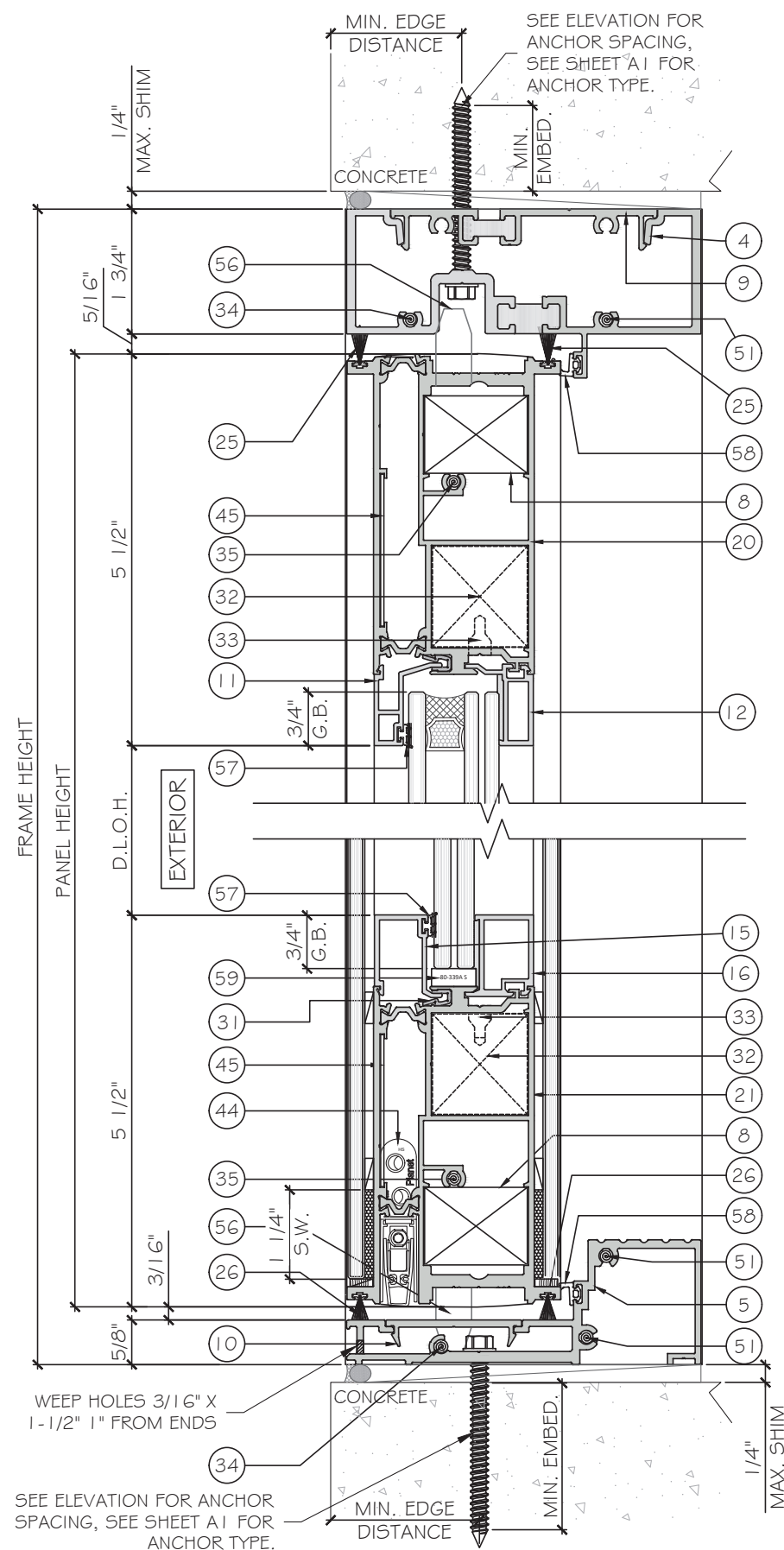
DETAIL

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WATER INFILTRATION



2
D3

DETAIL

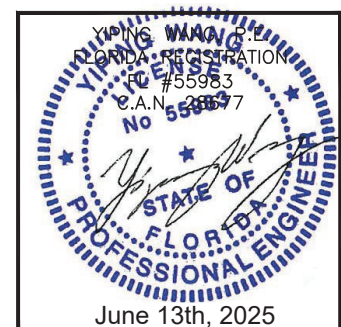


3
D3

DETAIL

APPROVED FOR
WATER INFILTRATION

4
D3

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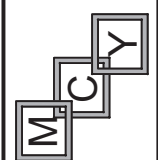
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LOCK SYSTEM

FOR DOUBLE DOOR:

MULTI POINT LOCKING SYSTEM WITH THUMB TURN OPERATOR ON THE INTERIOR AND KEY OPERATOR ON THE EXTERIOR AT 44 3/4" FROM BOTTOM AT LOCK STILE WITH (1) #1 2X1 1/2" FH MS. SURFACE MOUNT METALLIC STRIKE PLATE AT 44 3/4" FROM BOTTOM AT RIGHT PANEL LOCK STILE WITH (2)#8X3/4" FH SMS.

THE LOCKING RODS PENETRATES 1/2" INTO FRAME HEAD AND THRESHOLD.

FOR SINGLE DOOR:

MULTI POINT LOCKING SYSTEM WITH THUMB TURN OPERATOR ON THE INTERIOR AND KEY OPERATOR ON THE EXTERIOR AT 44 3/4" FROM BOTTOM AT RIGHT JAMB STILE WITH (1) #1 2X1 1/2" FH SMS. SURFACE MOUNT METALLIC STRIKE PLATE AT 44 3/4" FROM BOTTOM AT RIGHT FRAME JAMB WITH (2)#8X3/4" FH SMS.

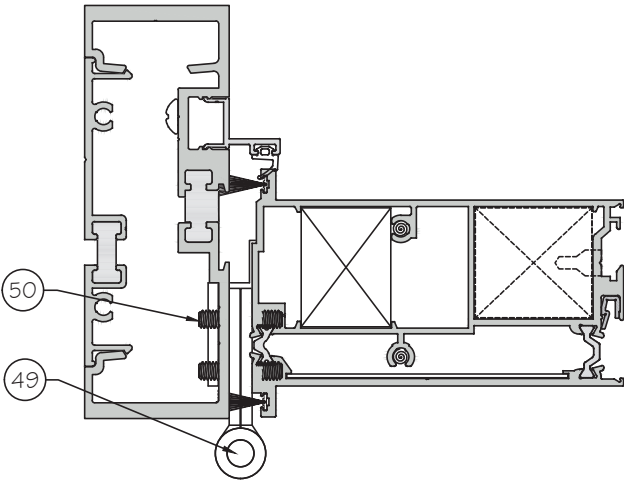
THE LOCKING RODS PENETRATES 1/2" INTO FRAME HEAD AND THRESHOLD.

HINGES:

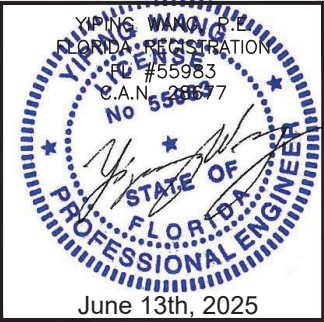
BUTT HINGE A79 WITH (4) #1 2-24 X 3/4" FH MS.

FOR DOUBLE DOOR:
LOCATED AT 6" FROM ENDS, @36".
ADD ONE MORE HINGE WHEN USE G4 GLASS

FOR SINGLE DOOR:
LOCATED AT 6" FROM ENDS, @22".
ADD ONE MORE HINGE WHEN USE G4 GLASS



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HARDWARE

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1 LEAF STILE
006 FRONT + 007 BACK
ES-P5D5030T-501
ALUM.6063-T6

2 INACTIVE STILE
023 FRONT + 030 BACK
ES-P5D5030T-506
ALUM.6063-T6

3 JAMB SWIN
ES-P5D5030T-024T
ALUM.6063-T6

4 HEAD SWIN
ES-P5D5030T-026T
ALUM.6063-T6

5 HIGH THRESHOLD
ES-P5D5030T-027
ALUM.6063-T6

6 THRESHOLD
ES-P5D5030T-028
ALUM.6063-T6

7 JAMB SCREW COVER
ES-EL114
ALUM.6063-T6

8 CORNER KEY
ES-45T-011
ALUM.6063-T5

9 SHEAR CLIP
ES-8000T-003T
ALUM.6063-T6

10 THRESHOLD COVER
ES-9027
ALUM.6063-T5

11 EXTERIOR GLASS STOP
ES-P5D5030T-011
ALUM.6063-T5

12 INTERIOR GLASS STOP
ES-P5D5030T-012
ALUM.6063-T5

16 INTERIOR GLASS STOP
ES-P5D5030T-016
ALUM.6063-T5

15 EXTERIOR GLASS STOP
ES-P5D5030T-015
ALUM.6063-T5

17 DOOR STOP
ES-P5D5030T-004
ALUM.6063-T5

20 LEAF TOP
029 FRONT + 008 BACK
ES-P5D5030T-502
ALUM.6063-T6

21 LEAF BOTTOM
009 FRONT + 010 BACK
ES-P5D5030T-503
ALUM.6063-T6

18 INTERMEDIATE PANELS
020 FRONT + 020 BACK
ES-P5D5030T-504
ALUM.6063-T6

19 SHEAR BLOCK
ES-P5D5030T-017
ALUM.6063-T5

22 ASTRAGAL
ES-P5D5030T-022
ALUM.6063-T6

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PARTS

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WILLIAM W. WARD
FLORIDA REGISTRATION
#55983
C.A.N. 2017

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

June 13th, 2025

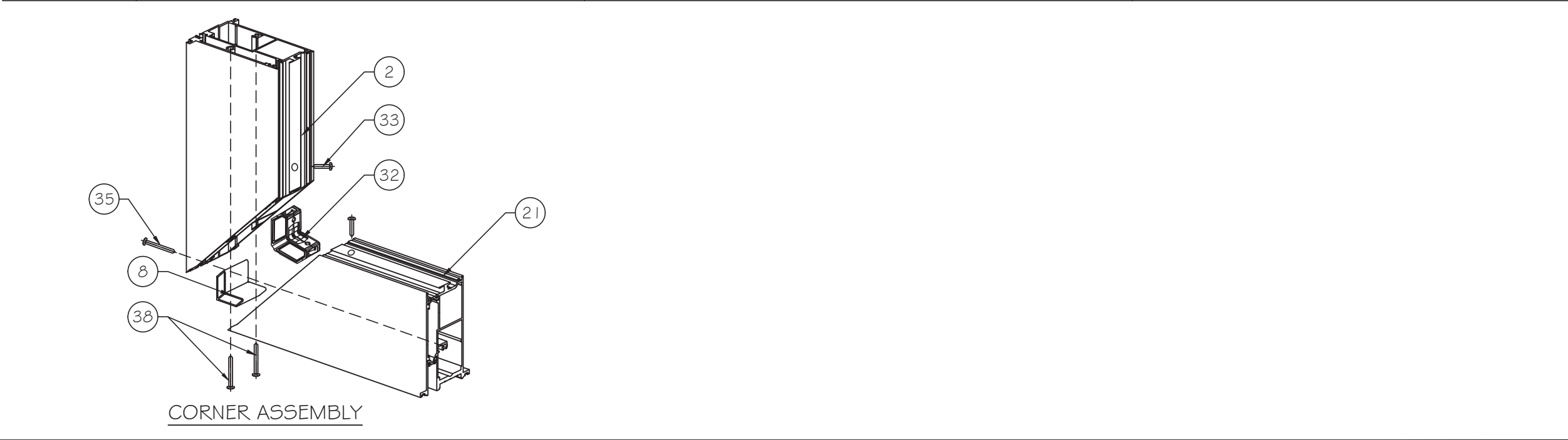
BILL OF MATERIALS			
CODE	PART	DESCRIPTION	MATERIAL
1	ES-PSD5030T-501	LEAF STILE 006 FRONT + 007 BACK	ALUM.6063-T6
2	ES-PSD5030T-506	INACTIVE STILE 023 FRONT + 030 BACK	ALUM.6063-T6
3	ES-PSD5030T-024T	JAMB SWIN	ALUM.6063-T6
4	ES-PSD5030T-026T	HEAD SWIN	ALUM.6063-T6
5	ES-PSD5030T-027	HIGH THRESHOLD	ALUM.6063-T6
6	ES-PSD5030T-028	THRESHOLD	ALUM.6063-T6
7	ES-EL114	JAMB SCREW COVER	ALUM.6063-T6
8	ES-45T-011	CORNER KEY	ALUM.6063-T5
9	ES-8000T-003T	SHEAR CLIP	ALUM.6063-T6
10	ES-9027	THRESHOLD COVER	ALUM.6063-T5
11	ES-PSD5030T-011	EXTERIOR GLASS STOP	ALUM.6063-T5
12	ES-PSD5030T-012	INTERIOR GLASS STOP	ALUM.6063-T5
13	NOT USED		
14	NOT USED		
15	ES-PSD5030T-015	EXTERIOR GLASS STOP	ALUM.6063-T5
16	ES-PSD5030T-016	INTERIOR GLASS STOP	ALUM.6063-T5
17	ES-PSD5030T-004	DOOR STOP	ALUM.6063-T5
18	ES-PSD5030T-504	INTERMEDIATE PANELS 020 FRONT + 020 BACK	ALUM.6063-T6
19	ES-PSD5030T-017	SHEAR BLOCK	ALUM.6063-T5
20	ES-PSD5030T-502	LEAF TOP 029 FRONT + 008 BACK	ALUM. 6063-T6
21	ES-PSD5030T-503	LEAF BOTTOM 009 FRONT + 010 BACK	ALUM. 6063-T6
22	ES-PSD5030T-022	ASTRAGAL	ALUM. 6063-T6
23	NOT USED		
24	EMP-682 80-339A 5	SETTING BLOCK @ LAMINATED GLASS, 80±5SHORE A	SILICONE
25	FELPA W33541NK	PILE STILE AND LEAF TOP	POLYPROPYLENE
26	FELPA W33421NK	PILE BOTTOM FOR HIGH SILL	POLYPROPYLENE
27	FELPA W33231NK	PILE BOTTOM FOR THRESHOLD INTERIOR	POLYPROPYLENE
28	FELPA W33351NK	PILE BOTTOM FOR THRESHOLD EXTERIOR	POLYPROPYLENE
29	FELPA W33481NK	PILE ASTRAGAL	POLYPROPYLENE
30	FELPA W33591NK	PILE HINGE STILE	POLYPROPYLENE
31	ES-UN8030-301	ISOLATOR	RIGID PVC
32	5039/50 CORNER JOINT	ESCUADRA DE ENSAMBLE	ALUMINUM
33	VILM5X14_D8 CORNER SCREW	CORNER SCREW (5039/50)	STAINLESS STEEL
34	TOR #12*1 PAN NATURAL INOX	FRAME ASSEMBLY SCREW	STAINLESS STEEL
35	TOR #12 x 2" PHIL FLAT TYPE A 18-8SS	FOR LEAF ASSEMBLY	STAINLESS STEEL
36	TOR #14 x 3/4" HWH TYPE AB	FOR SHEAR BLOCK	STAINLESS STEEL
37	TOR# 12 x 3/4" PH	FOR SHEAR BLOCK INTERMEDIATE (Panelex)	STAINLESS STEEL
38	#12 * 2-1/2" F.H	FOR LEAF ASSEMBLY TOP/BOTTOM	STAINLESS STEEL
39	#14*3 1/4 HWH(390) ELCO	FOR INSTALLATION JAMB/SILL	STAINLESS STEEL
40	3479715 - LSB 8050-752 - LEFT	STRIKER	STAINLESS STEEL

ES-PSD5030T FRENCH DOOR - LMI

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BILL OF MATERIALS			
CODE	PART	DESCRIPTION	MATERIAL
41	3145903 - 7029 SHOOTBOLT	SHOOTBOLT BOTTOM	STAINLESS STEEL
42	3466977 - 881-00088 FLOOR KEEPER	ADJUSTABLE SLEEVE (1 FOR SHOOTBOLT BOTTOM)	STAINLESS STEEL
43	3492553 - A52600 MULTIPONT LOCK	LOCK	STAINLESS STEEL
44	PLANET H5 DROP SEAL	DROP SEAL	STAINLESS STEEL
45	ESC-004 E5-PSD5030T-E01	ESC-004 E5-PSD5030T-E01	---
46	PS01-G208-* ROSE COVER	COVER CYLINDER	STAINLESS STEEL
47	DLO1-G253-* CYLINDER 40/40 TURN/KEY	CYLINDER	BRASS
48	SHPRO31GOLPNS601250 DOOR THICK 2 1/4"	PULL-PULL	AISI 316 STAINLESS STEEL
49	HINGE A79	BUTT HINGE	STAINLESS STEEL
50	TOR #12-24 x 1/2" FH	HINGE SCREW (STILE)	STAINLESS STEEL
51	TOR #12 x 1 1/2" P.H. S.M.S. ST/ST	FOR ASSEMBLY (E5-8000 FRAME)	STAINLESS STEEL
52	TOR #8 x 1/2 F.H.	FOR ASTRAGAL	STAINLESS STEEL
53	3451082 7037-SHOOTBOLT	SHOOTBOLT TOP	STAINLESS STEEL
54	THRESHOLD CLIP ACERO INOX_LEFT	THRESHOLD CLIP LEFT	STAINLESS STEEL
55	THRESHOLD CLIP ACERO INOX_RIGHT	THRESHOLD CLIP RIGHT	STAINLESS STEEL
56	VARILLA STEEL ROD	STEEL ROD 9 1/4 PLATED FLUSHBOLT	STAINLESS STEEL
57	EMP-768 E5-EL100-G02A	GLAZING GASKET	SILICONE
58	EMP-501 E5-EL300-G01 E	SEAL GASKET	EPDM
59	EMP-471 E5-7530-B02A S	SETTING BLOCK @ INSULATED LAMINATED GLASS, 80±5SHORE A	SILICONE
60	-	1/8" THK SETTING BLOCK @ G3, 80±5SHORE A	SILICONE



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