

SERIES ES-50T (N.I.)
ALUMINUM THERMALLY BROKEN OUTSWING DOOR
SEE SHEET 2 FOR DESIGN LOAD CAPACITIES.

DOORS ARE APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT REQUIRED.
LIMIT (+) LOADS TO 19.1 PSF FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2026 (NINTH EDITION) FLORIDA BUILDING CODE FOR NON HIGH VELOCITY HURRICANE ZONE.

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

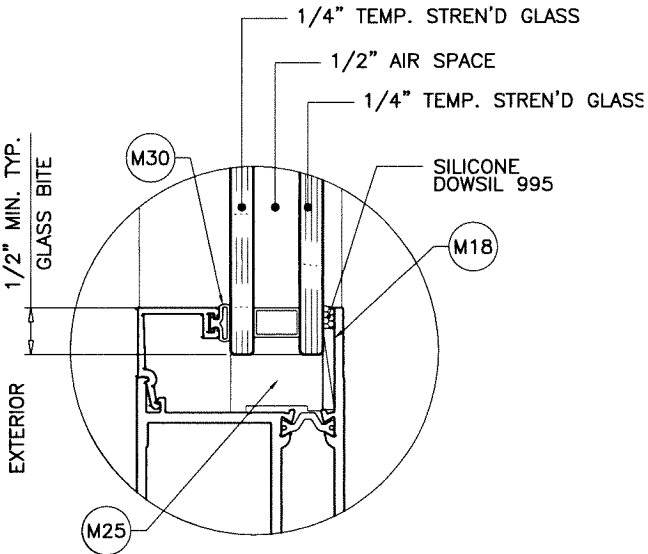
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2026 (NINTH EDITION) FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIG (ASD)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE.
LABELING TO COMPLY WITH SECTION 1709.9.2.



GLAZING DETAIL
1" OVERALL INSUL. GLASS

DOORS NOT RATED FOR IMPACT.

INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

FASTENERS AND CONNECTORS (AS APPLICABLE), SHOWN IN THIS APPROVAL MAY NOT MEET CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711

Sealed: 7/29/2026



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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL: (305) 264-8100 FAX: (305) 262-6978
(C.A.N. 3538)

ES-50T ALUMINUM THERMALLY BROKEN OUTSWING DOOR (N.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL: (305) 638-5151 FAX: (305) 638-5158

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	A	07.28.26		UPDATED TO 2026 FBC

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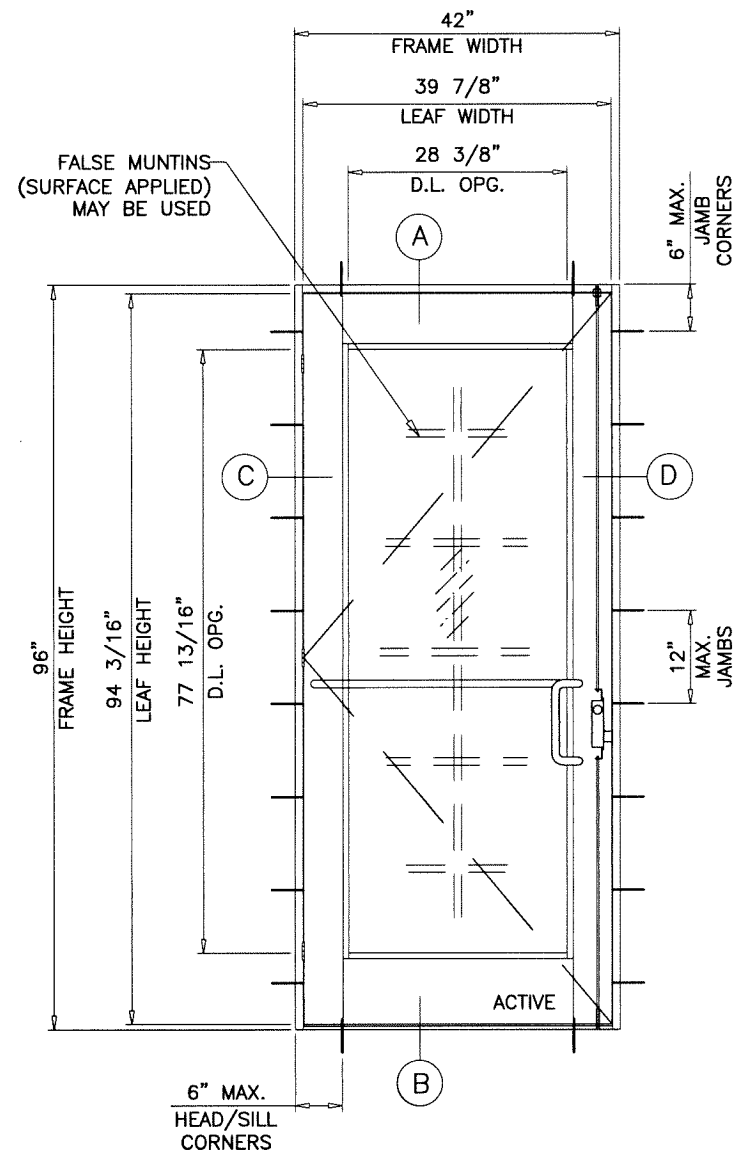
dr. by: Cindy R.

chk. by:

drawing no.

25-30F

sheet 1 of 6

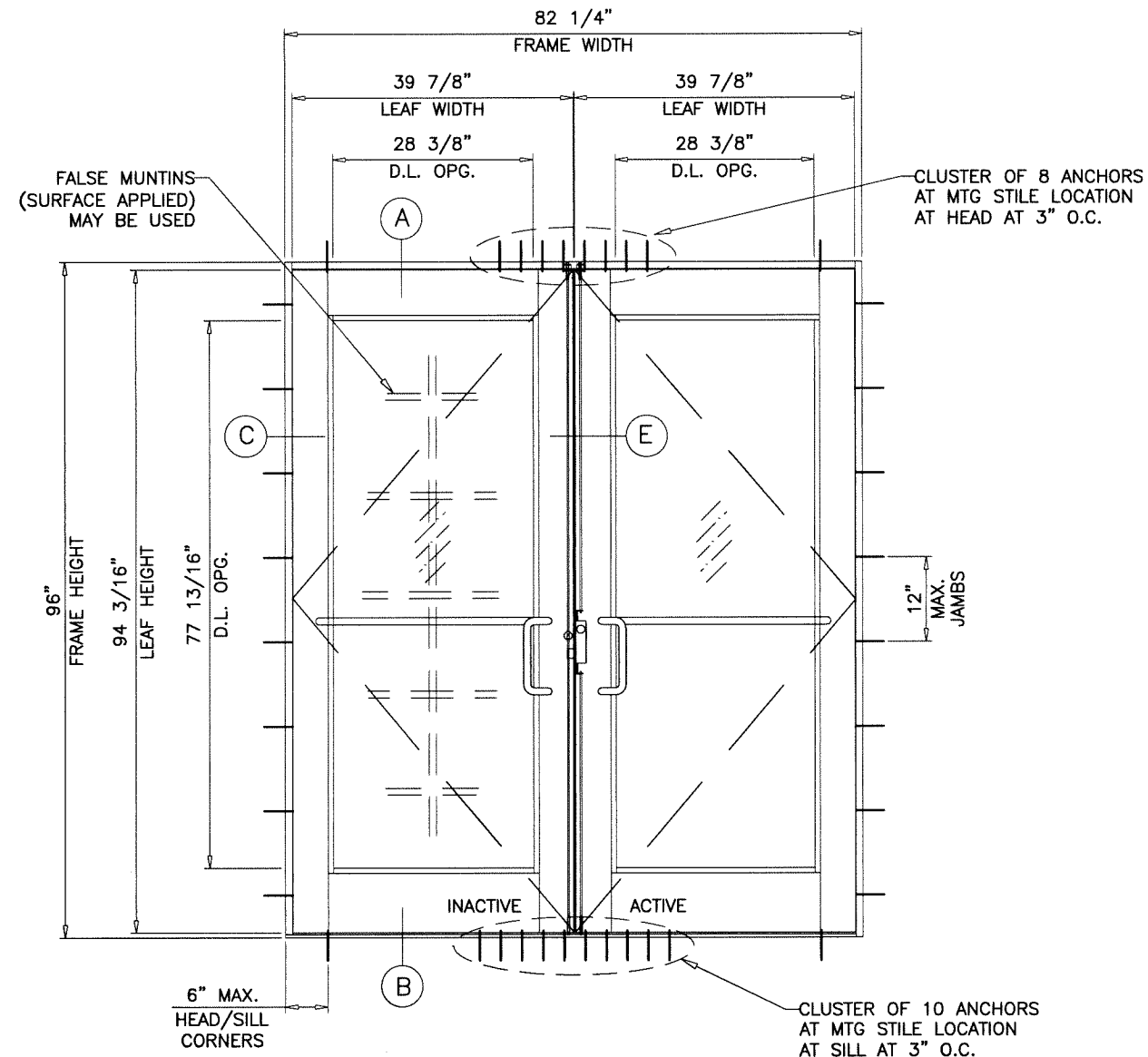


TYPICAL ELEVATION
(X)

MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 70.0 PSF

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS).

ALL EXTERIOR (+) LOADS SHOWN ON THIS SHEET ARE FOR DOOR
INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS NOT
REQUIRED.
FOR DOOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE
IS REQUIRED LIMITED EXT (+) LOADS TO +19.1 PSF



TYPICAL ELEVATION
(XX)

MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 70.0 PSF



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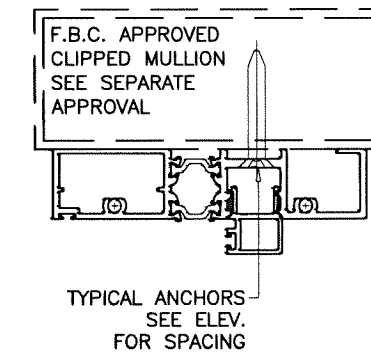
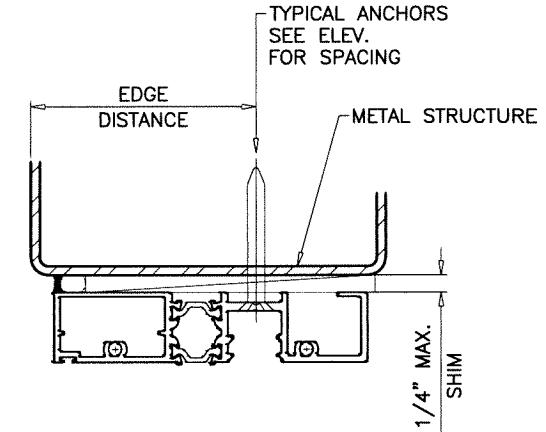
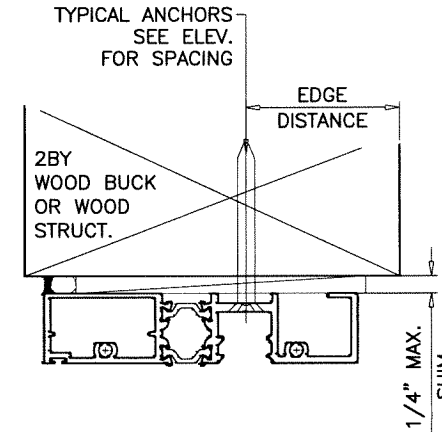
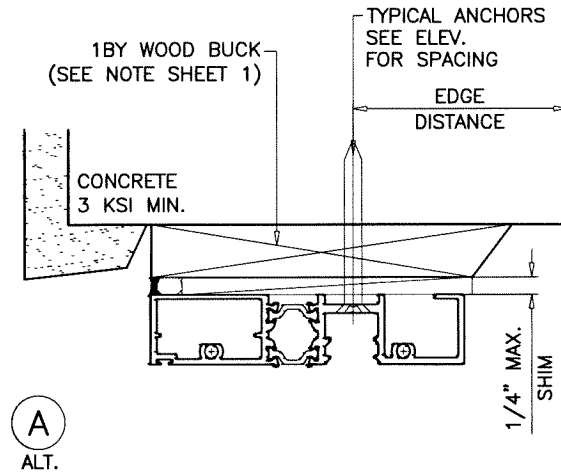
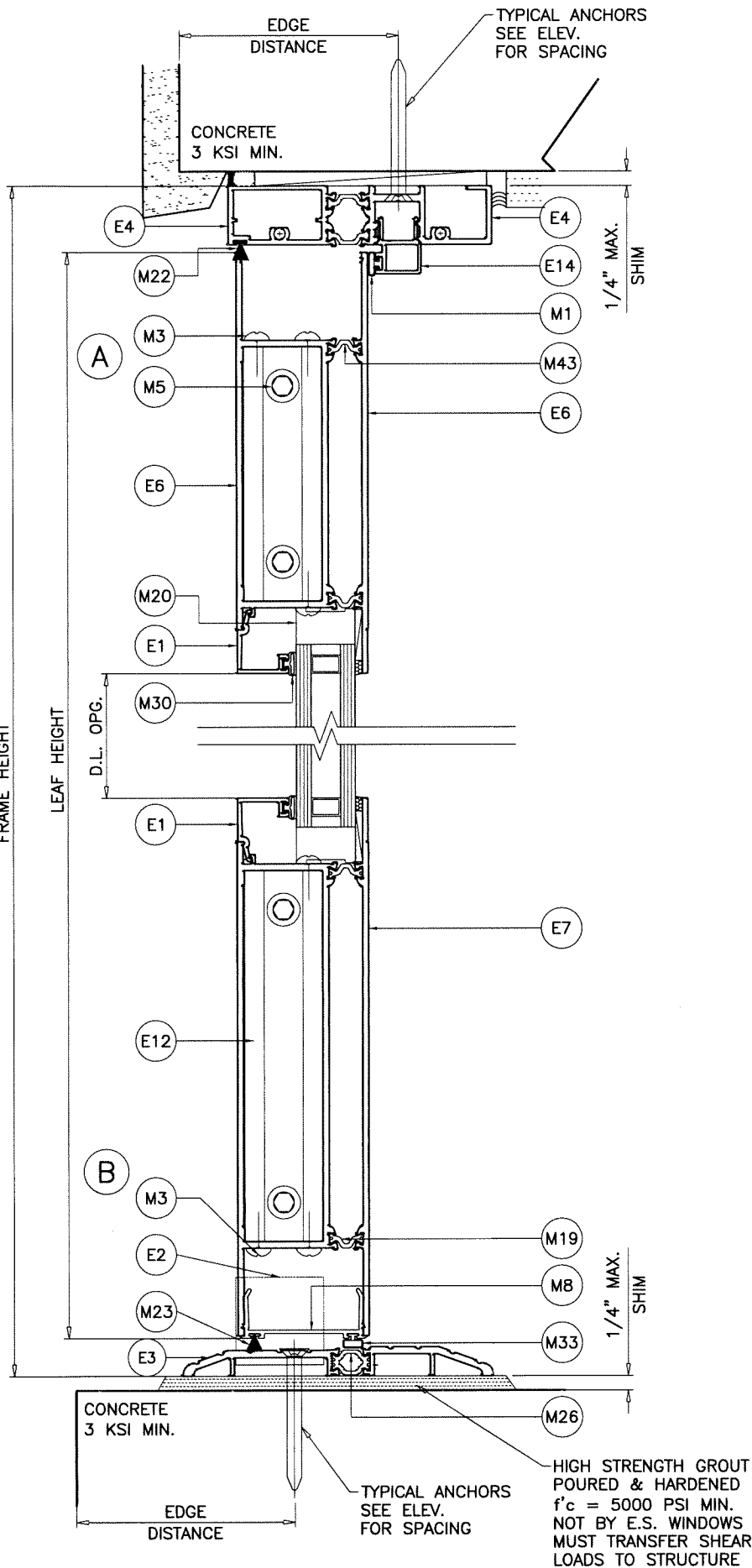
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EXTERIOR
FRAME HEIGHT

LEAF HEIGHT

D.L. OPG.



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'E.S. WINDOWS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI) DIRECTLY INTO CONCRETE OR BLOCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

1/4" TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS) INTO F.B.C. APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/SILL/JAMBS) (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

CRITICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 1/2" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

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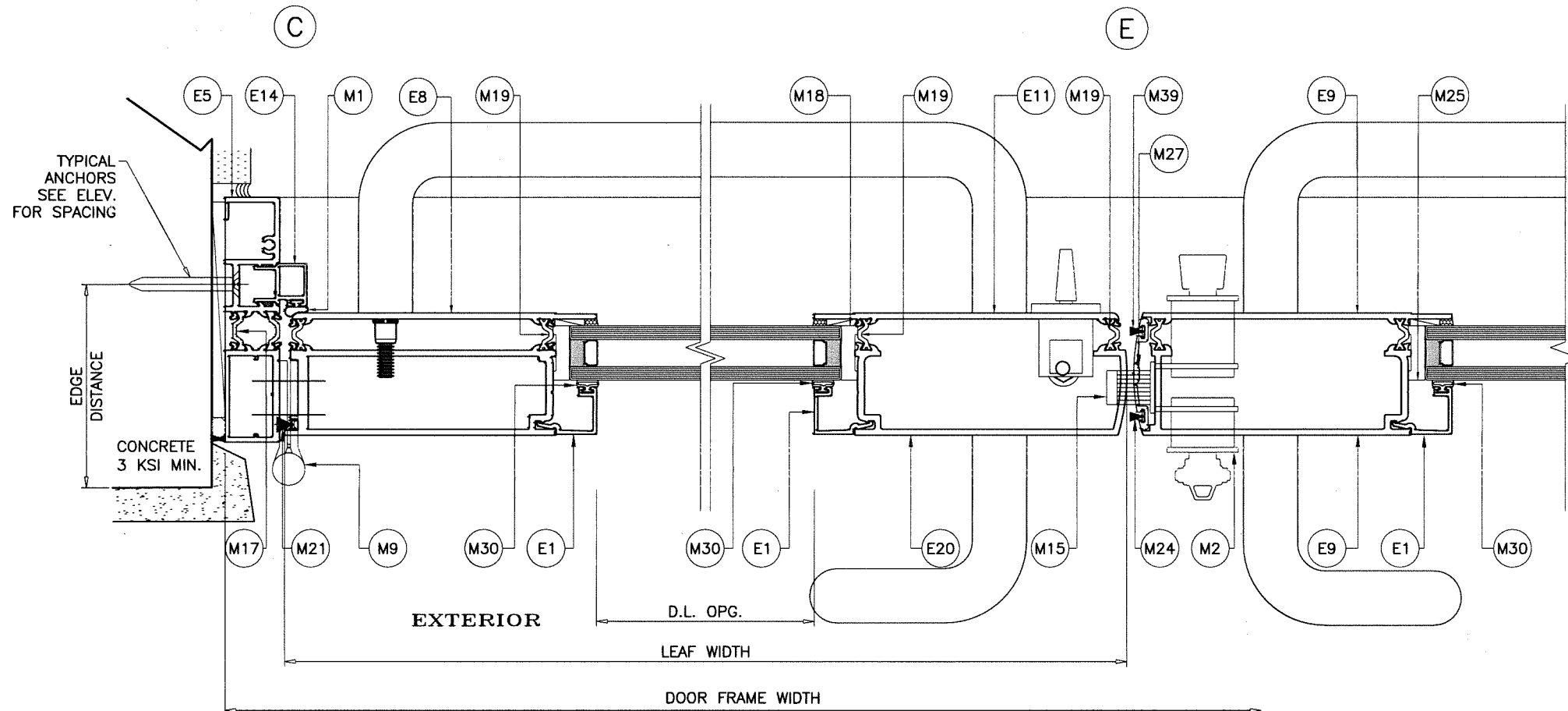
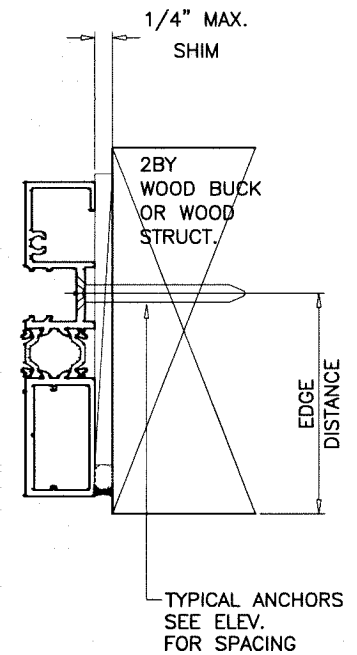
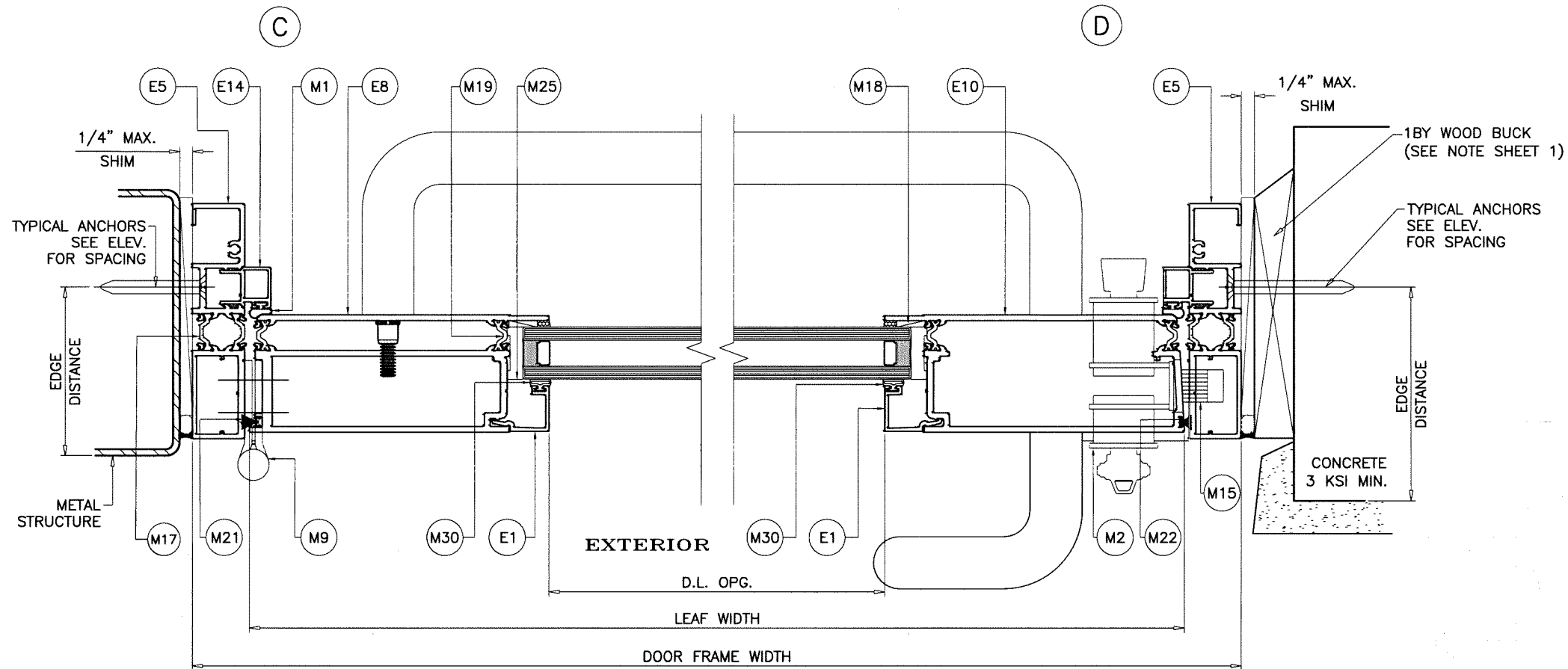
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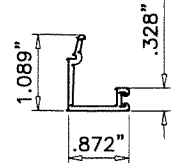
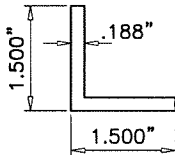
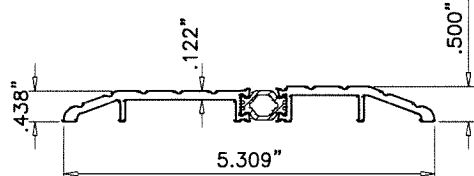
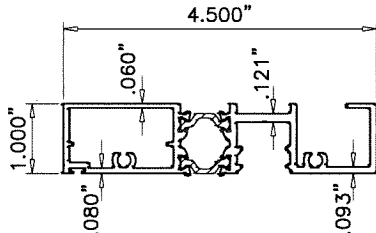
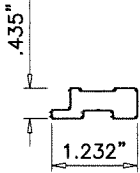
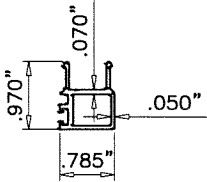
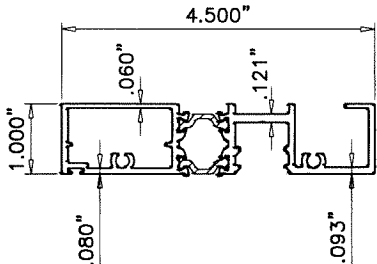
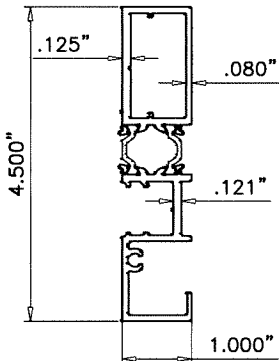
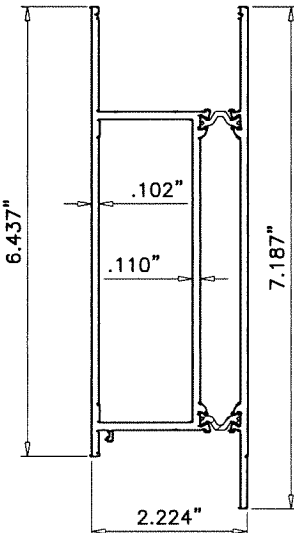
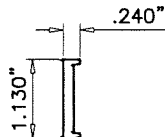
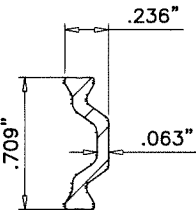
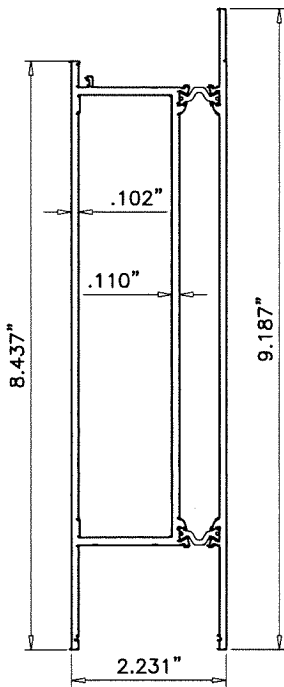
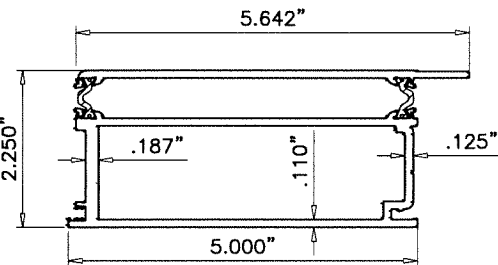
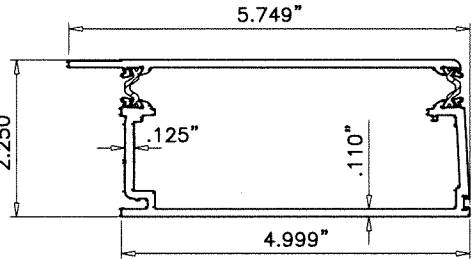
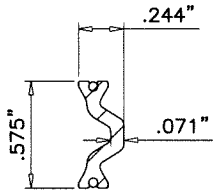
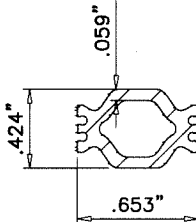
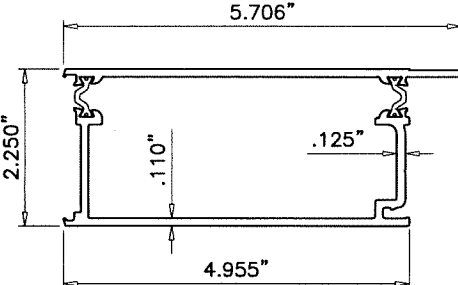
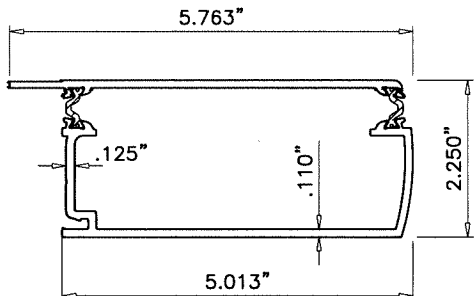
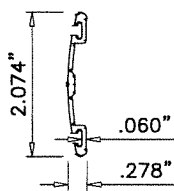
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sheet 4 of 6

 E1 GLASS STOP	 E2 ANGLE 1-1/2" X 3/16" FOR FLUSHBOLT BRACKET	 E3 THERSHOLD	 E4 FRAME HEAD	 E13 BACKUP PLATE	 E14 DOOR STOP
 E4 FRAME HEAD	 E5 FRAME JAMB	 E6 TOP RAIL	 E15 LOCK PLATE	 M17 18MM OFFSET	
 E7 BOTTOM RAIL	 E8 HINGE STILE	 E10 LOCK STILE	 M19 14,6MM OFFSET	 M26 16,6MM OFFSET	
 E9 MEETING STILE ACTIVE	 E11 MEETING STILE INACTIVE	 M27 MEETING STILE ADAPTER	TECATHERM® 66 GF INSULBARS SCALE 1:1 MATERIAL = POLYAMIDE TENSILE STRENGTH = 13031 PSI RATE OF BURN = .752 IN./MIN. SELF IGNITION TEMP. = 793° F FLASH IGNITION TEMP. = 781°C SMOKE DENSITY = 1.63 Sealed: 7/29/2026		



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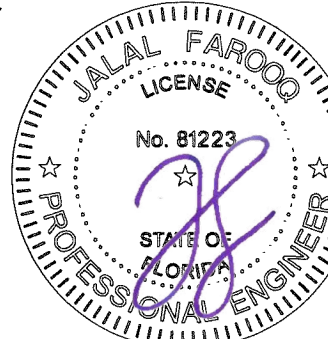
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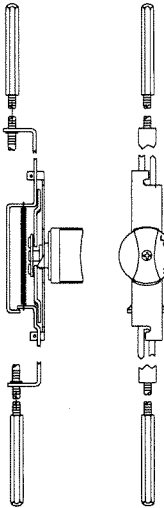
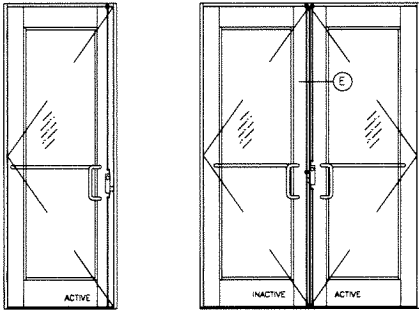
LOCKS:

ACTIVE LEAF:

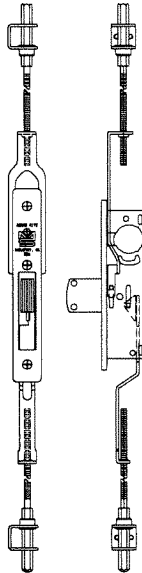
KEY OPERATED THREE POINT LOCK SYSTEM 4015/4016 BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL FASTENED WITH (2) #10 X 1/2" FH MACHINE SCREWS

INACTIVE LEAF:

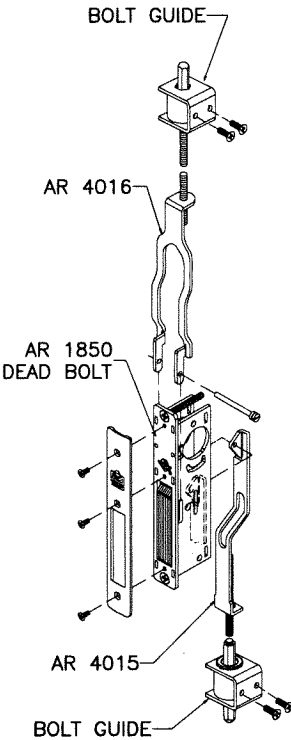
MANUALLY OPERATED TWO POINT LOCK SYSTEM 1880/81 BY 'ADAMS RITE' WITH CONCEALED FLUSH BOLTS AT TOP & BOTTOM OF LOCK STILE AND A THUMB TURN ON THE INTERIOR, LOCATED AT 40" FROM BOTTOM OF PANEL FASTENED WITH (2) #8 X 1/4" FH MACHINE SCREWS



ADAMS RITE
2 POINT
LOCK



ADAMS RITE
3 POINT
LOCK



HINGES:

4-1/2" LONG SURFACE MOUNT METALLIC ST. STEEL BUTT HINGES LOCATED AT 10-1/2", 49-1/4" AND 88" FROM BOTTOM FASTENED TO DOOR FRAME AND LEAF STILE WITH (4) #12-24 X 1/2" FH MACHINE SCREWS PER HASP

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	E27118KN		GLASS STOP		-
E2	ALU-A-020		ANGLE 1 1/2" x 3/16" FOR FLUSHBOLT BRACKET	6063-T6	-
E3	ES25T-503		THERSHOLD	6063-T6	-
E4	ES25T-504		FRAME HEAD	6063-T6	-
E5	ES25T-505		FRAME JAMB	6063-T6	-
E6	ES35T-501		TOP RAIL	6063-T6	-
E7	ES50T-501		BOTTOM RAIL	6063-T6	-
E8	ES50T-502		HINGE STILE	6063-T6	-
E9	ES50T-504		MEETING STILE ACTIVE	6063-T6	-
E10	ES50T-503		LOCK STILE	6063-T6	-
E11	ES50T-505		MEETING STILE INACTIVE	6063-T6	-
E12	ES25T-201	1	CORNER BLOCK	6063-T6	
E13	ES25T-202	2/VENT	BACKUP PLATE	6063-T5	
E14	ES25T-105	AS REQ'D.	DOOR STOP		
E15	ES-25T-203	2/LITE	LOCK PLATE		
M1	E27118KN	2	BULB VINYL		
M2	CILIND THUMB	2	CILIND LLAVE/BOTON	STAINLESS STEEL	
M3	#12 X 1" P.H.	-	FRAME ASSEMBLY FASTENERS	STAINLESS STEEL	
M4	#12-24 X 1/2" F.H.	-	FRAME ASSEMBLY FASTENERS	STAINLESS STEEL	
M5	3/8"-16 X 3/4"	AS REQ'D.	CORNER BLOCK FASTENERS	STAINLESS STEEL	HEX. BOLT
M6	#10-32 X 1/2"		SPACER SCREW 2 LOCK	STAINLESS STEEL	F.H. SCREW
M7	#8 X 1/2" F.H.		LOCK FASTENER	STAINLESS STEEL	F.H. SCREW
M8	ES-25T-302		SWEEP ADAPTER	RIGID PVC	
M9	4" X 4" 1/2"		BUTT HINGES	STAINLESS STEEL	
M15	AEKA-420-165		MINI PROFILE INSET	STAINLESS STEEL	
M17	2378		8MM OFFSET	POLYAMIDE	
M18	-		TAPE NORSEAL V990 1/8"*1/4"	PVC	
M19	2028		14,6MM OFFSET	POLYAMIDE	
M20	ES-21-B02A		SETTING BLOCK	SILICONE TR-2170S	
M21	W23321NK		PILE HINGE STILE	SOLYD POLYPROPYLENE	
M22	W22252NG		PILE HEADER	SOLYD POLYPROPYLENE	
M23	W23451NK		PILE SWEEP ADAPTER	SOLYD POLYPROPYLENE	
M24	W13254NK		PILE MTG. STILES INTERIOR	SOLYD POLYPROPYLENE	
M25	ES-21-B04A		SIDE BLOCK 1" X 1/4"	-	
M26	2147		16,6 OFFSET	POLYAMIDE	
M27	ES-25T-301		MEETING STILE ADAPTER	POLYAMIDE	
M30	EMP-254 ES-5008A S		EMP- EXTERIOR PERIMETRAL	RIGID PVC	
M33	ES-9000 G03		BULB VINYL LONG 9002 + LONG 9003+7").2	-	
M39	W23344NK		PILE MTG. STILES EXTERIOR	SOLYD POLYPROPYLENE	

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