

TYPICAL ELEVATIONS

NOTE:

- REFER SHEET 111 AND 112 FOR LOCKING HARDWARE DETAILS.

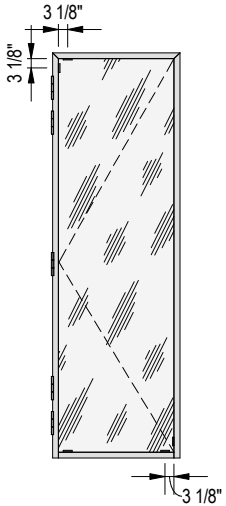
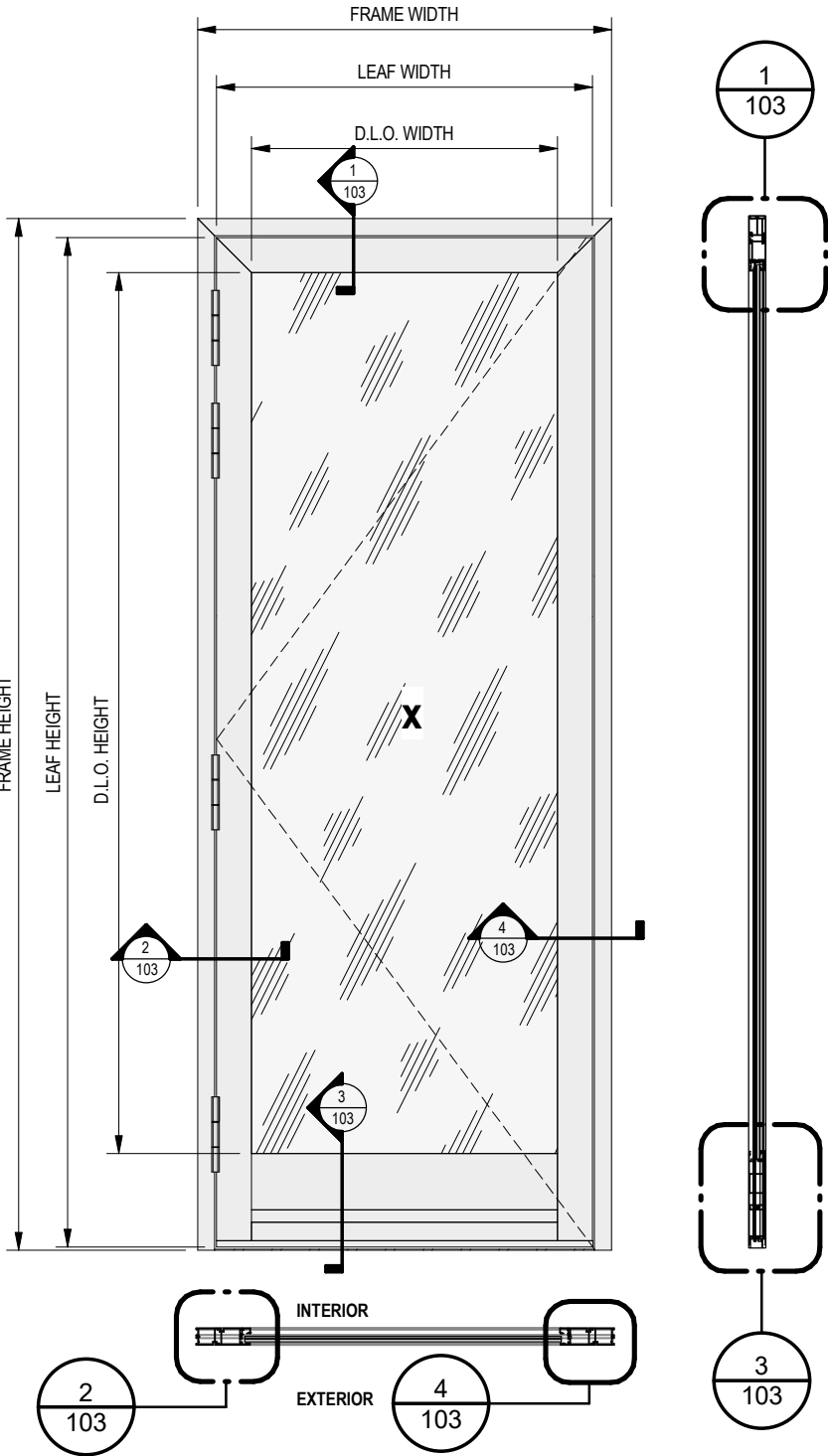
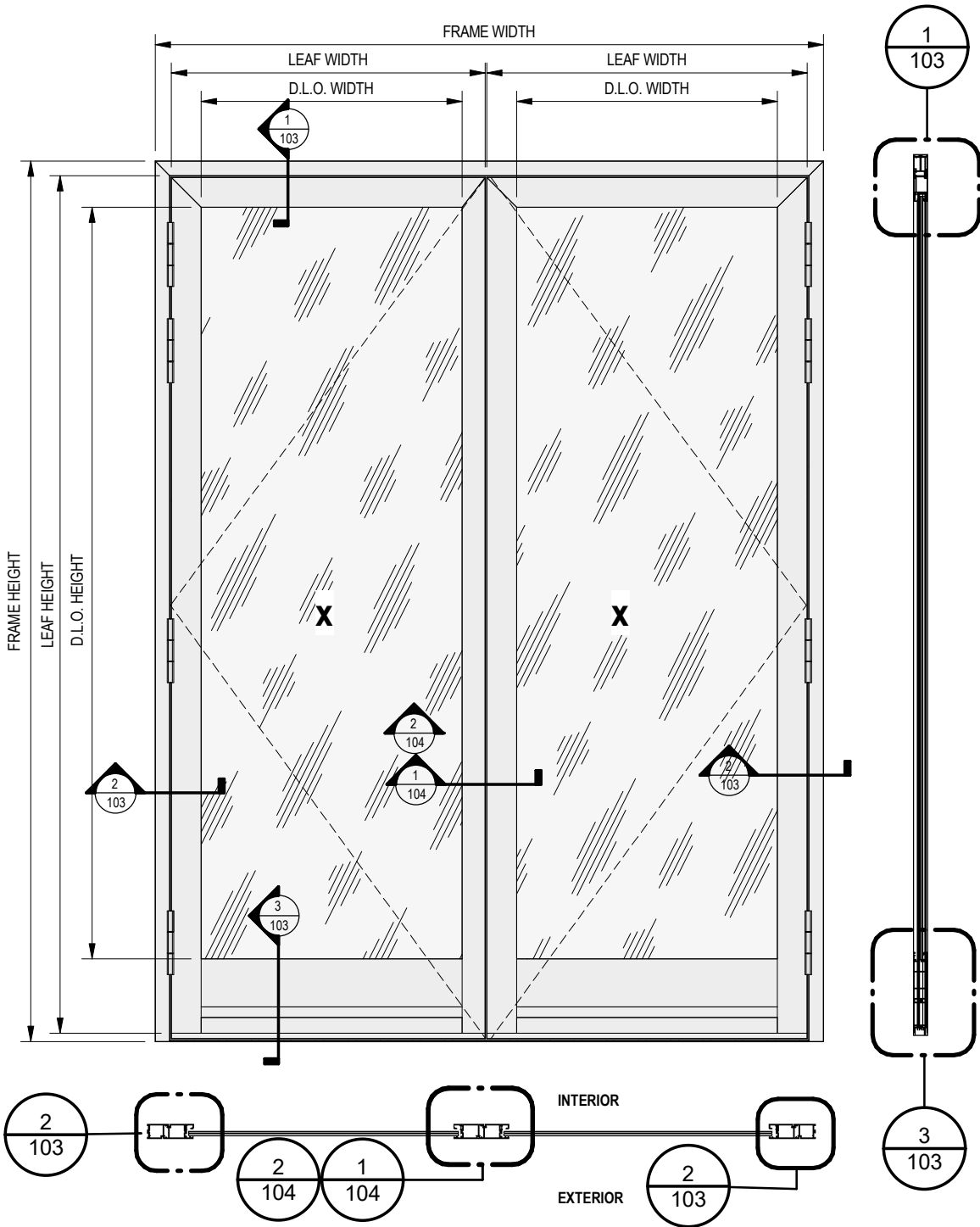
HINGES:
BUTT HINGE LOCATED AT 13", 48", 85" AND 97" FROM THE SILL
ON HINGE JAMBS.

DOOR HARDWARE:

FL #46752.1

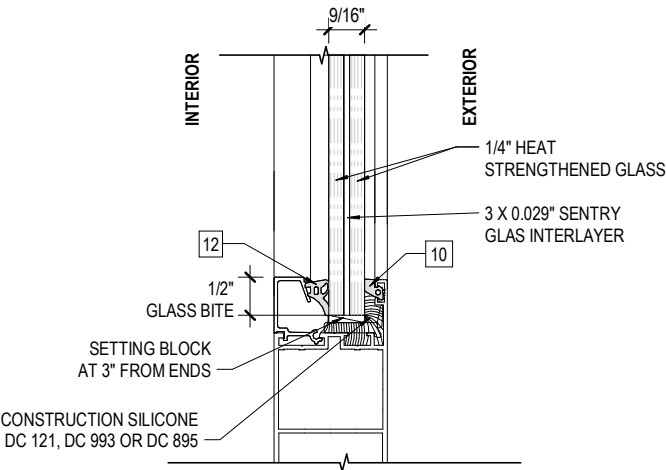
LOCKS:
SINGLE LEAF DOORS:
3 POINT LOCKING SYSTEM:
2 LOCKING POINTS LOCATED 10" AND 78" FROM THE SILL USING ANTIPANIC LOCK
AND 1 DEADBOLT ON THE JAMB.

DOUBLE LEAF DOOR:
5 POINT LOCKING SYSTEM:
2 LOCKING POINTS LOCATED 10" AND 78" FROM THE SILL USING ANTIPANIC LOCK
ON THE MEETING STILE, 1 DEADBOLT ON THE MEETING STILE AND 2 SHOOT
BOLTS ENGAGING INTO FRAME LOCATED AT MEETING STILE CORNERS OF THE
INACTIVE PANEL OR ONE OF THE PANEL IN DOUBLE ACTIVE COMBINATION.



SETTING BLOCKS LAYOUT

D.L.O. CALCULATIONS:
DOUBLE LEAF DOOR -
• D.L.O. WIDTH = LEAF WIDTH - 7 3/8"
• D.L.O. HEIGHT = LEAF HEIGHT - 12 7/8"
SINGLE LEAF DOOR -
• D.L.O. WIDTH = LEAF WIDTH - 7 3/8"
• D.L.O. HEIGHT = LEAF HEIGHT - 12 7/8"



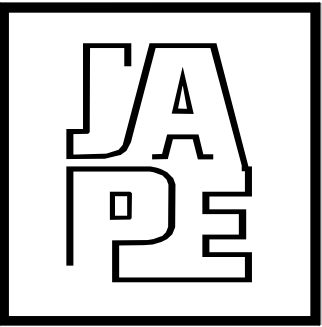
ALLOWABLE DESIGN PRESSURE (+/-) 65 PSF

MAX. FRAME SIZE:
DOUBLE LEAF OUTSWING DOOR- 82-1/2" (W) X 108-1/4" (H)
SINGLE LEAF OUTSWING DOOR- 43-5/16" (W) X 108-1/4" (H)

9/16" LAMINATED GLASS LITE
N.T.S

DOUBLE OUTSWING DOOR (X-X) ELEVATION
N.T.S

SINGLE OUTSWING DOOR (X) ELEVATION
N.T.S



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 45 STOREFRONT
ENTRANCE DOOR
SYSTEM

CLIENT :

ALUPROF SA

153 STREET, WARSZAWSKA,
BIELSKO-BIALA, POLAND 43-300

REVISION

No.	DATE	BY	DESCRIPTION

date: 08/26/2024

scale: N/A

drawn by: SA

check by: MK

Drawing no. JA-1233-24

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



08/26/2024

SECTIONAL DETAILS

FL #46752.1



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 45 STOREFRONT
ENTRANCE DOOR
SYSTEM

CLIENT :

ALUPROF SA

153 STREET, WARSZAWSKA,
BIELSKO-BIALA, POLAND 43-300

REVISION

No.	DATE	BY	DESCRIPTION

date: 08/26/2024

scale: N/A

drawn by: SA

check by: MK

Drawing no. JA-1233-24

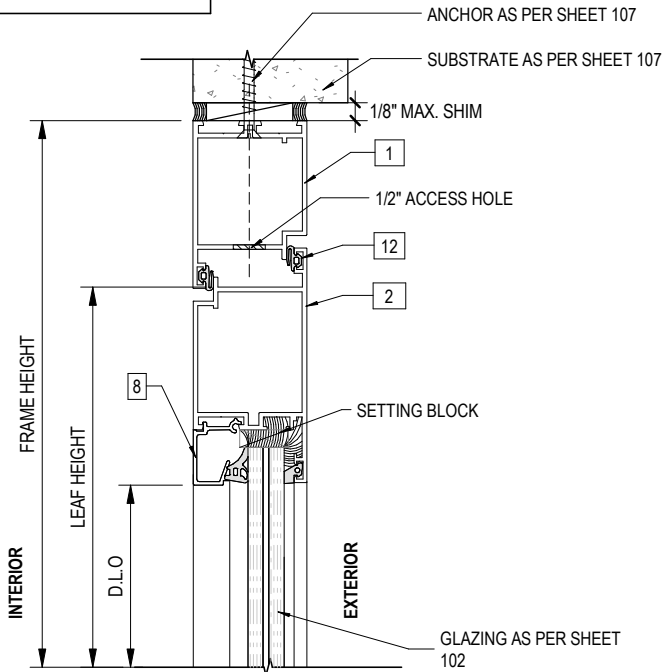
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



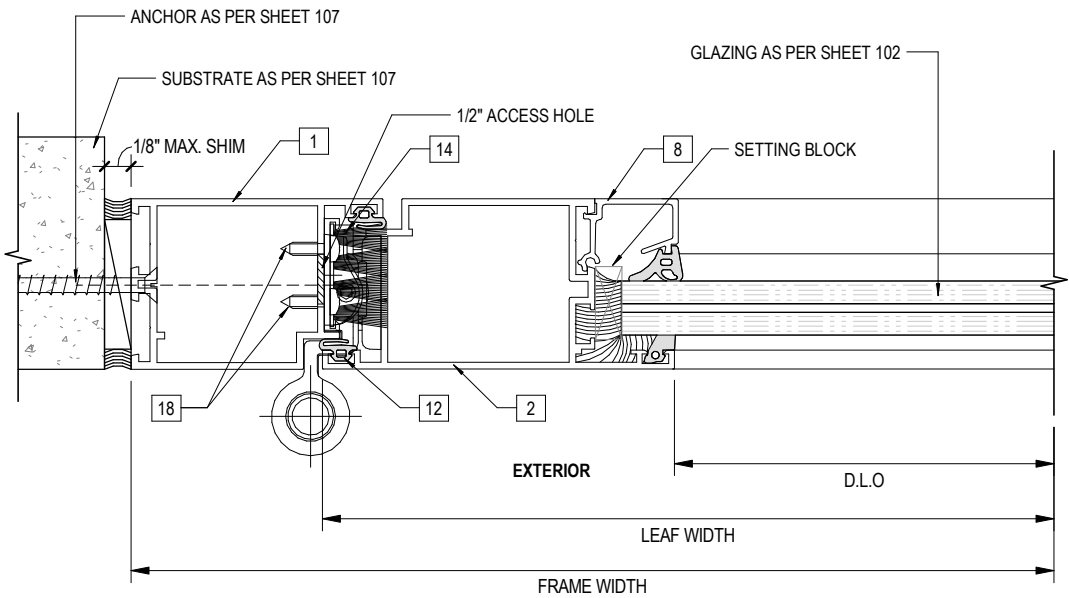
08/26/2024

103

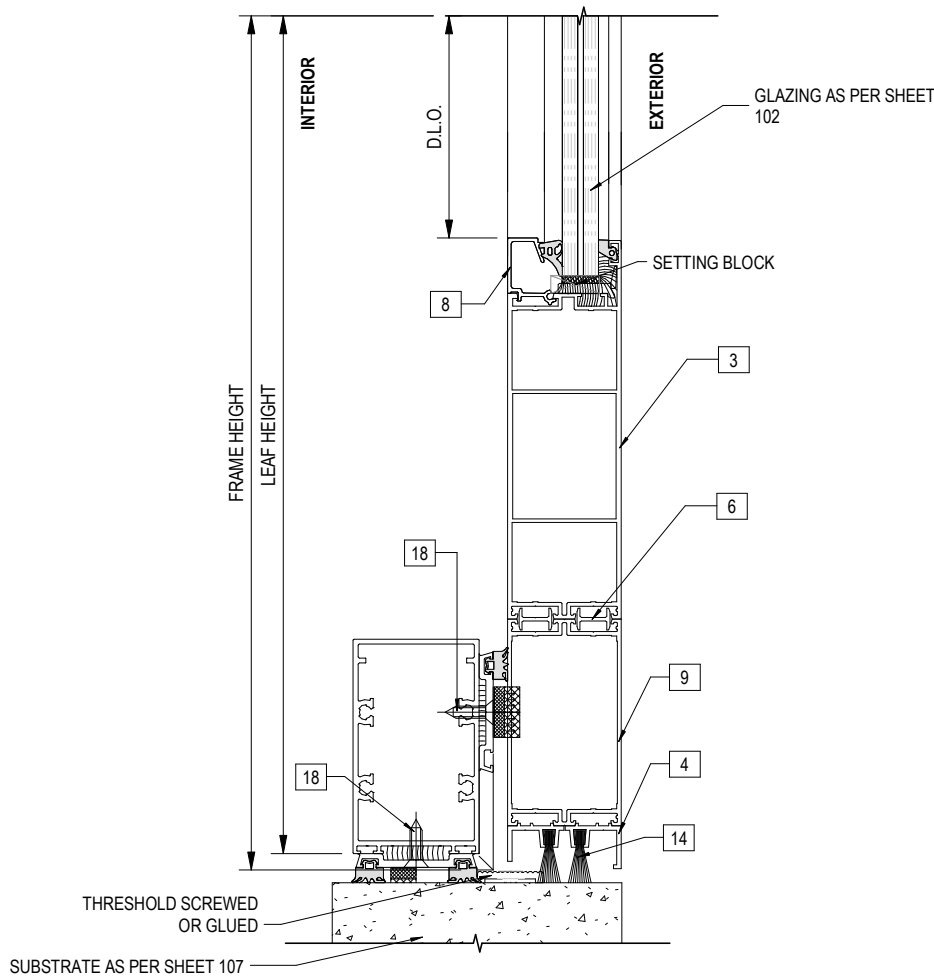
OF 112



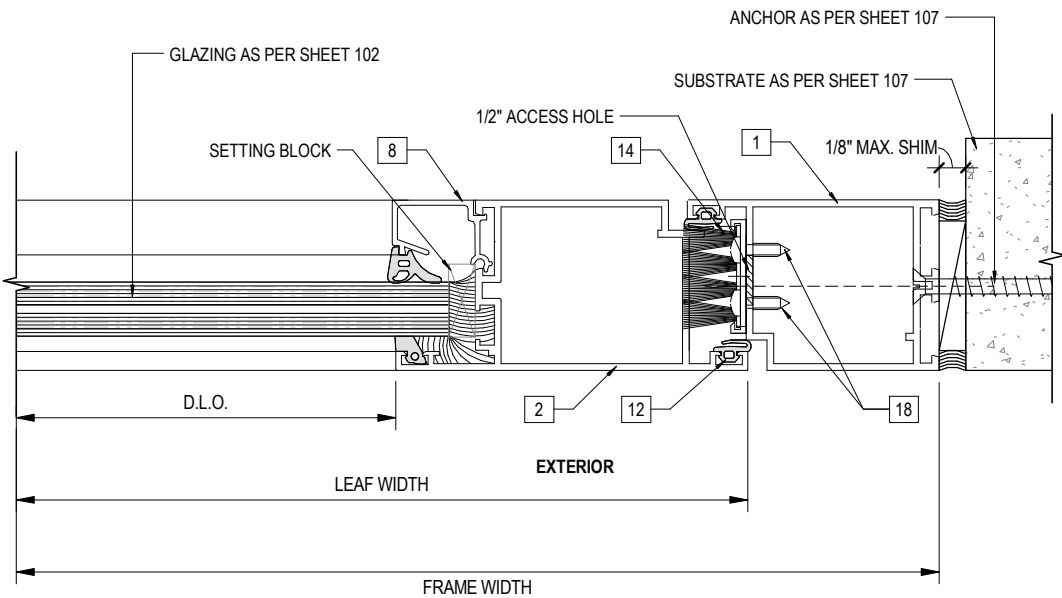
1 HEAD DETAILS
103 N.T.S



2 JAMB DETAIL-1
103 N.T.S



3 SILL DETAILS
103 N.T.S



4 JAMB DETAIL-2
103 N.T.S

NOTE:
SEE SHEET 107 FOR ANCHORAGE DETAILS



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 45 STOREFRONT
ENTRANCE DOOR
SYSTEM

CLIENT :

ALUPROF SA

153 STREET, WARSZAWSKA,
BIELSKO-BIALA, POLAND 43-300

REVISION

No.	DATE	BY	DESCRIPTION

date: 08/26/2024

scale: N/A

drawn by: SA

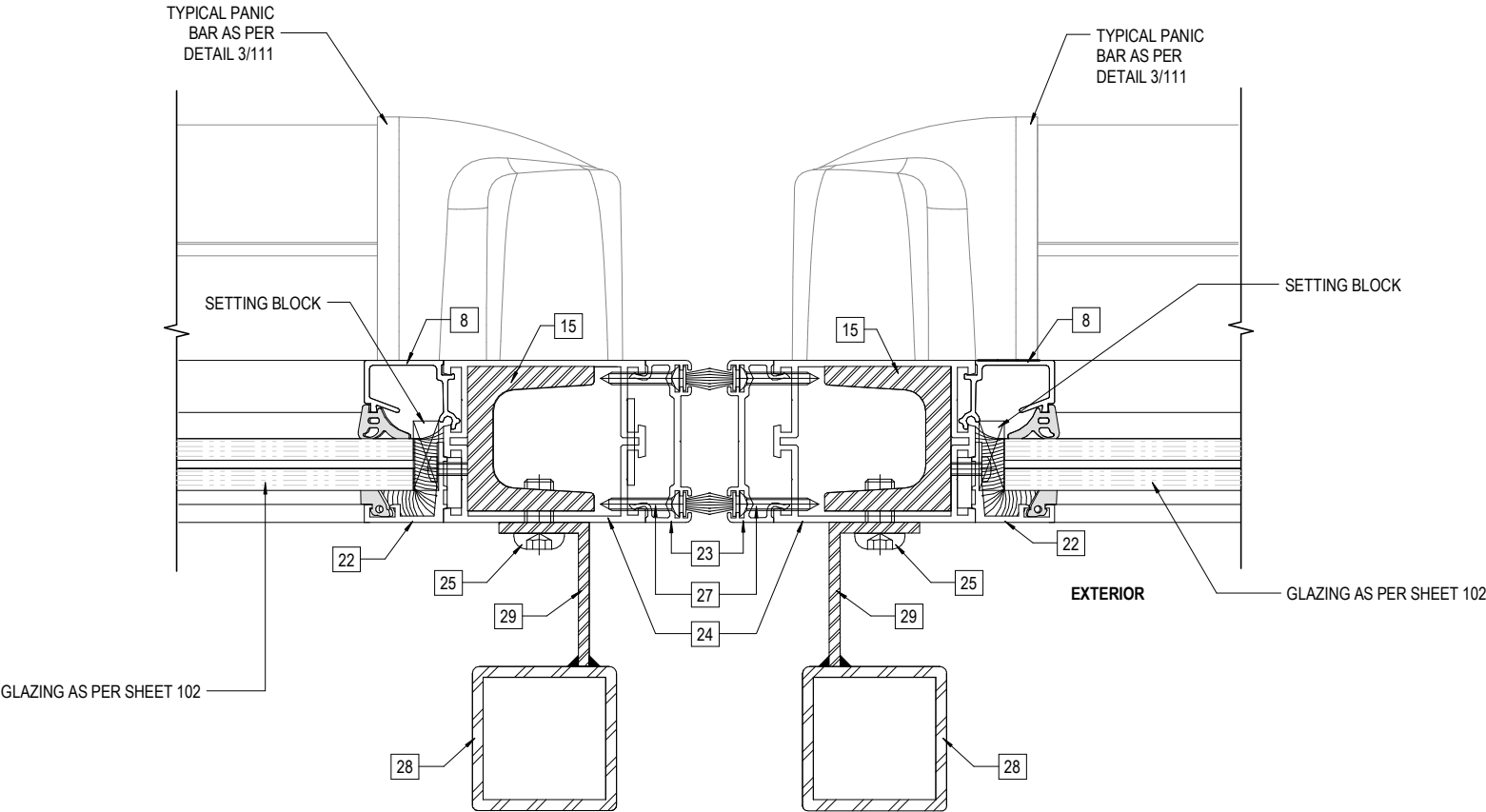
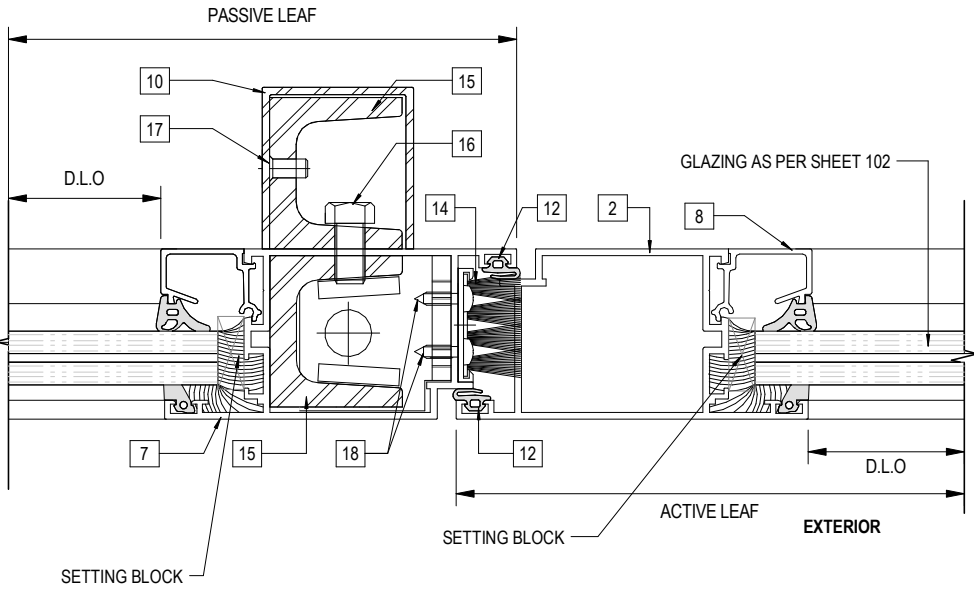
check by: MK

Drawing no. JA-1233-24

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



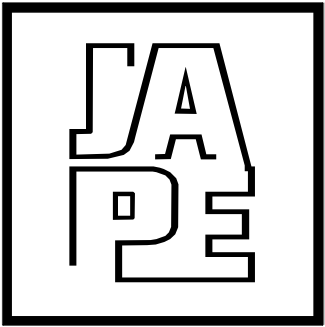
08/26/2024



1
104 MEETING STILE (ACTIVE - PASSIVE COMBINATION)
N.T.S

2
104 MEETING STILE OF DOUBLE ACTIVE DOORS WITH PANIC BAR
N.T.S

NOTE:
SEE SHEET 106 FOR ANCHORAGE DETAILS



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 45 STOREFRONT
ENTRANCE DOOR
SYSTEM

CLIENT :

ALUPROF SA

153 STREET, WARSZAWSKA,
BIELSKO-BIALA, POLAND 43-300

REVISION

No.	DATE	BY	DESCRIPTION

date: 08/26/2024

scale: N/A

drawn by: SA

check by: MK

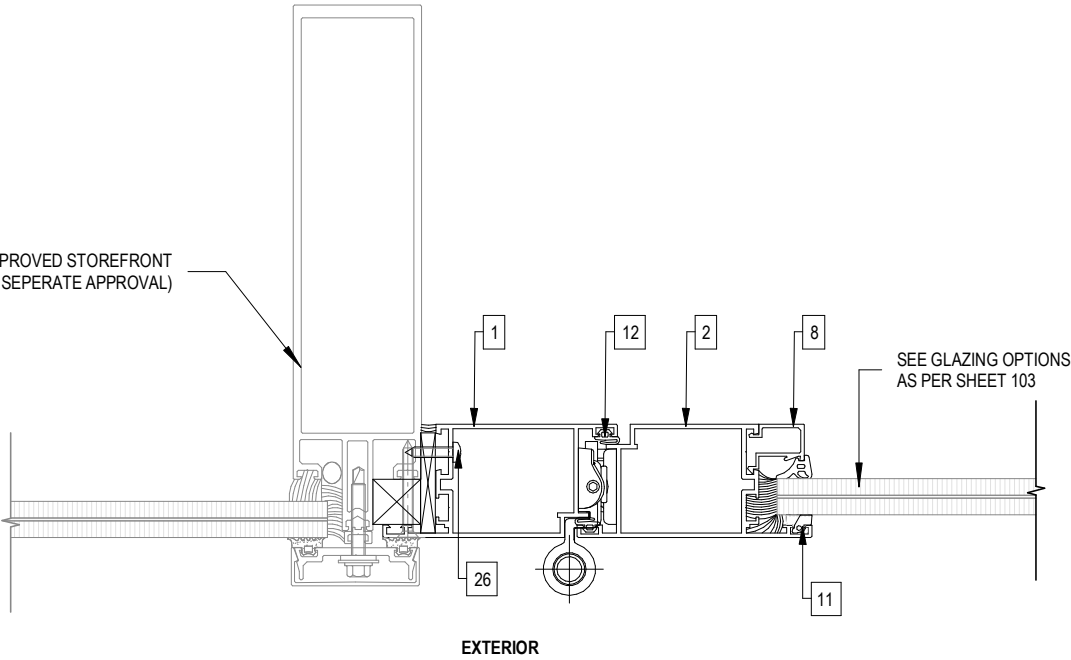
Drawing no. JA-1233-24

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254

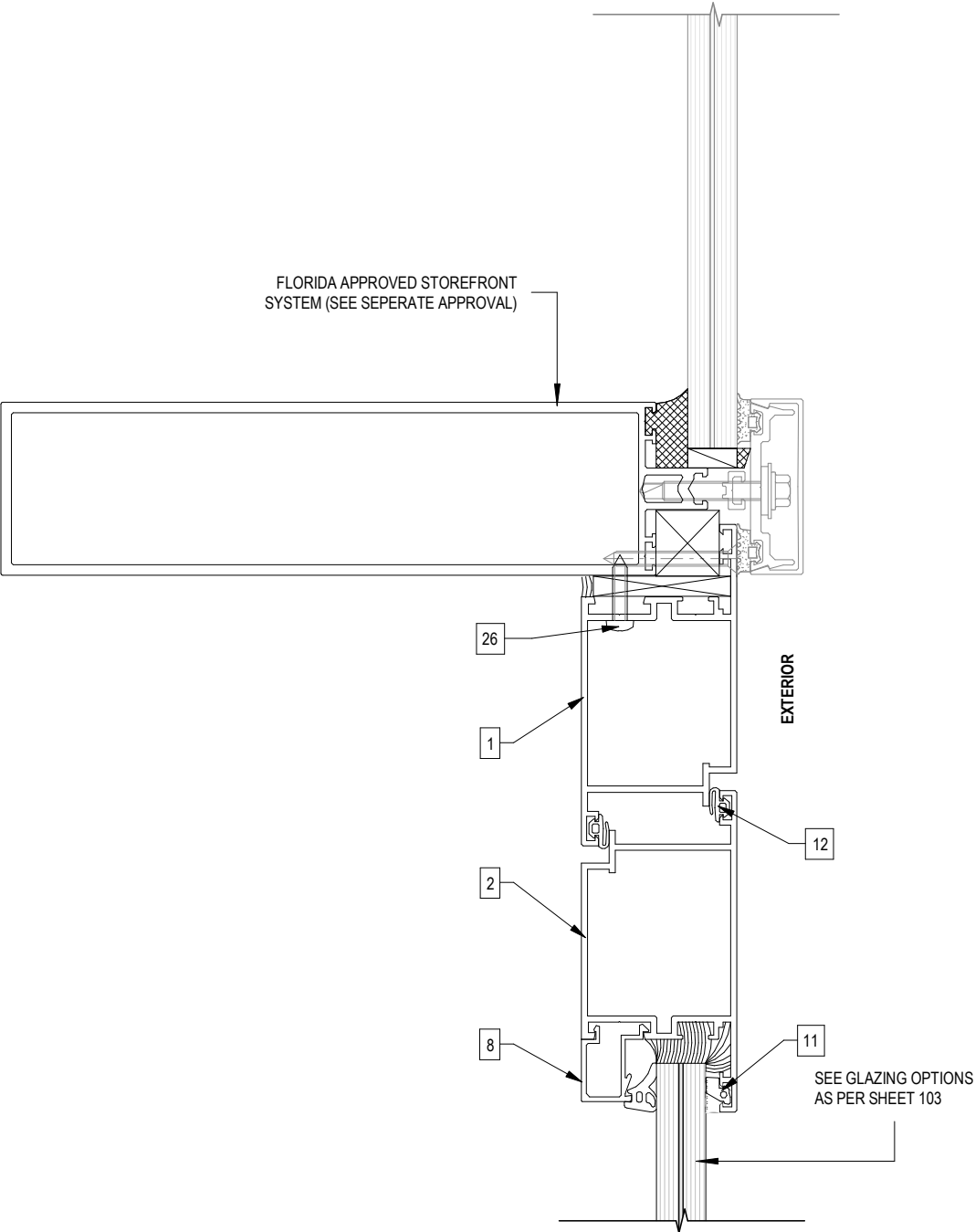


08/26/2024

FLORIDA APPROVED STOREFRONT
SYSTEM (SEE SEPERATE APPROVAL)



FLORIDA APPROVED STOREFRONT
SYSTEM (SEE SEPERATE APPROVAL)



1

105

JAMB DETAIL WITH FBC APPROVED ALUPROF'S STOREFRONT SYSTEM
N.T.S

2

105

HEAD DETAIL WITH FBC APPROVED ALUPROF'S STOREFRONT SYSTEM
N.T.S



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 45 STOREFRONT
ENTRANCE DOOR
SYSTEM

CLIENT :

ALUPROF SA

153 STREET, WARSZAWSKA,
BIELSKO-BIALA, POLAND 43-300

REVISION

No.	DATE	BY	DESCRIPTION

date: 08/26/2024

scale: N/A

drawn by: SA

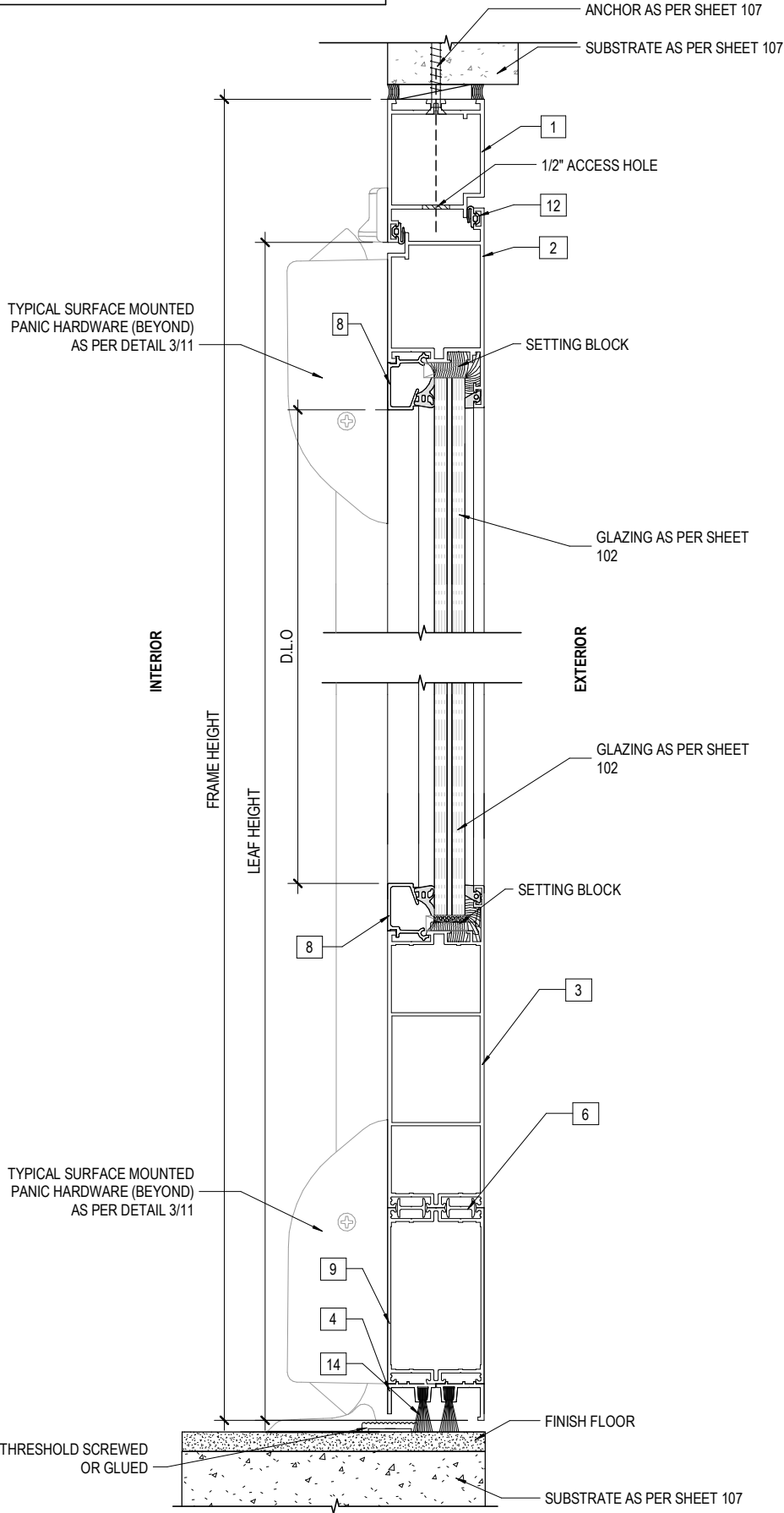
check by: MK

Drawing no. JA-1233-24

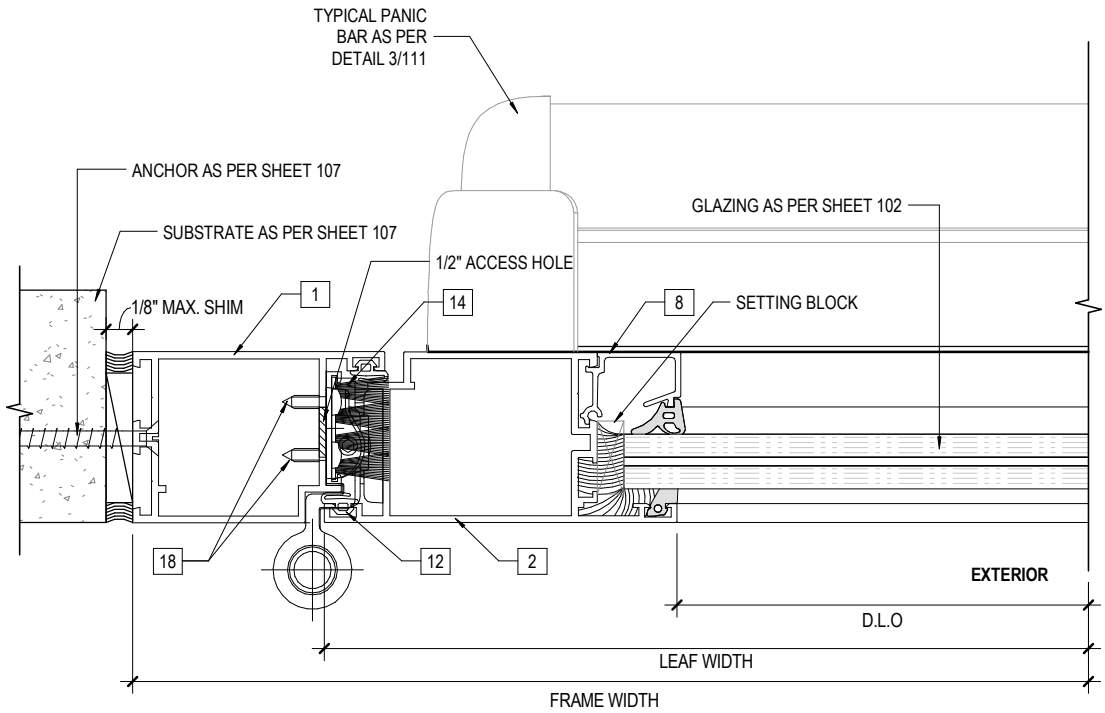
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



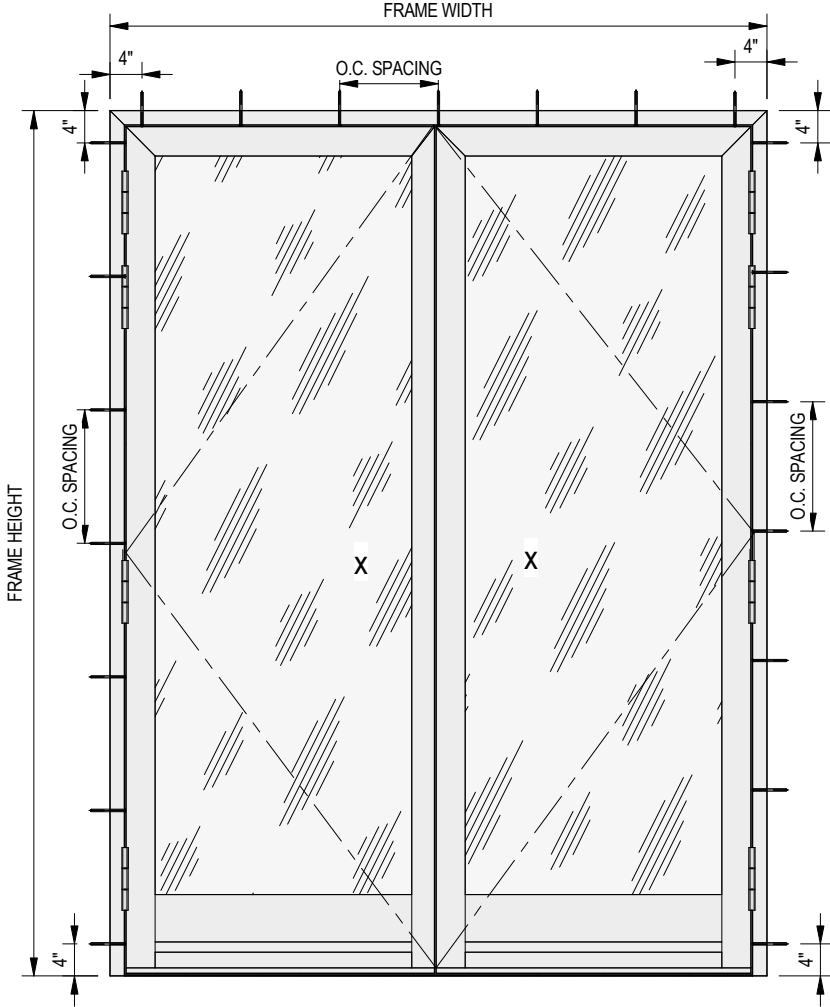
08/26/2024



1
106
HEAD AND SILL DETAIL WITH PANIC BAR
N.T.S



2
106
JAMB DETAIL WITH PANIC BAR
N.T.S



1
107 DOUBLE DOOR (X-X) ANCHOR LAYOUT
N.T.S.

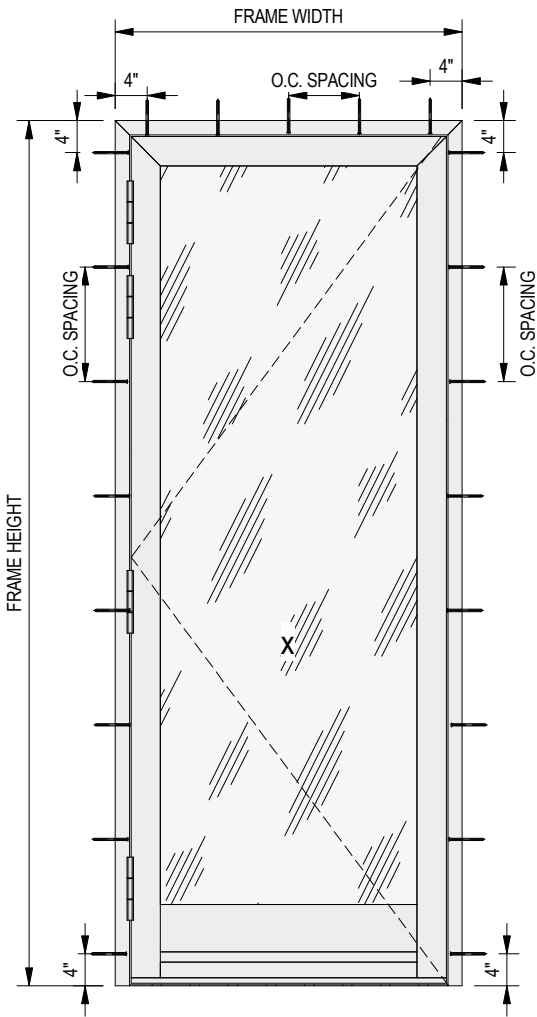
TYPICAL ANCHOR TYPES
(APPLIES TO ALL ANCHORS GOING THROUGH THE DOOR FRAME):

TYPE A -1/4" DEWALT ULTRACON+ (Fu = 177,000 PSI, Fy = 155,000 PSI)

- DIRECTLY INTO CONCRETE, OR GROUT FILLED MASONRY BLOCK WITH 1-3/4" EMBEDMENT, AND 2-1/2" MIN. EDGE DISTANCE AND 14" O.C. SPACING
- DIRECTLY INTO HOLLOW MASONRY BLOCK WITH 1-1/4" EMBEDMENT, AND 2-1/2" MIN. EDGE DISTANCE AND 14" O.C. SPACING
- INTO 2BY WOOD WITH 1-1/2" MIN PENETRATION, AND 1-1/4" MIN EDGE DISTANCE AND 14" O.C. SPACING

TYPE B -1/4-20 SS SCREWS (MIN. Fy = 30000 PSI)

- INTO 1/8" MIN. THK. ALUMINUM / STEEL WITH MIN. (3) THREADS EXTENDED BEYOND METAL THICKNESS, 3/4" MIN.EDGE DISTANCE AND 14" O.C. SPACING
- INTO APPROVED MULLIONS MIN. 1/8" THK. WITH MIN. (3) THREADS EXTENDED BEYOND METAL THICKNESS, 3/4" MIN.EDGE DISTANCE AND 14" O.C. SPACING



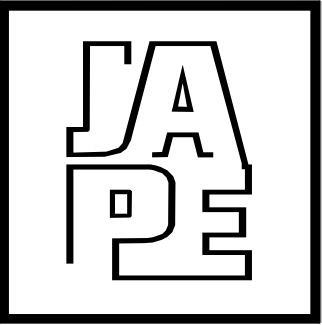
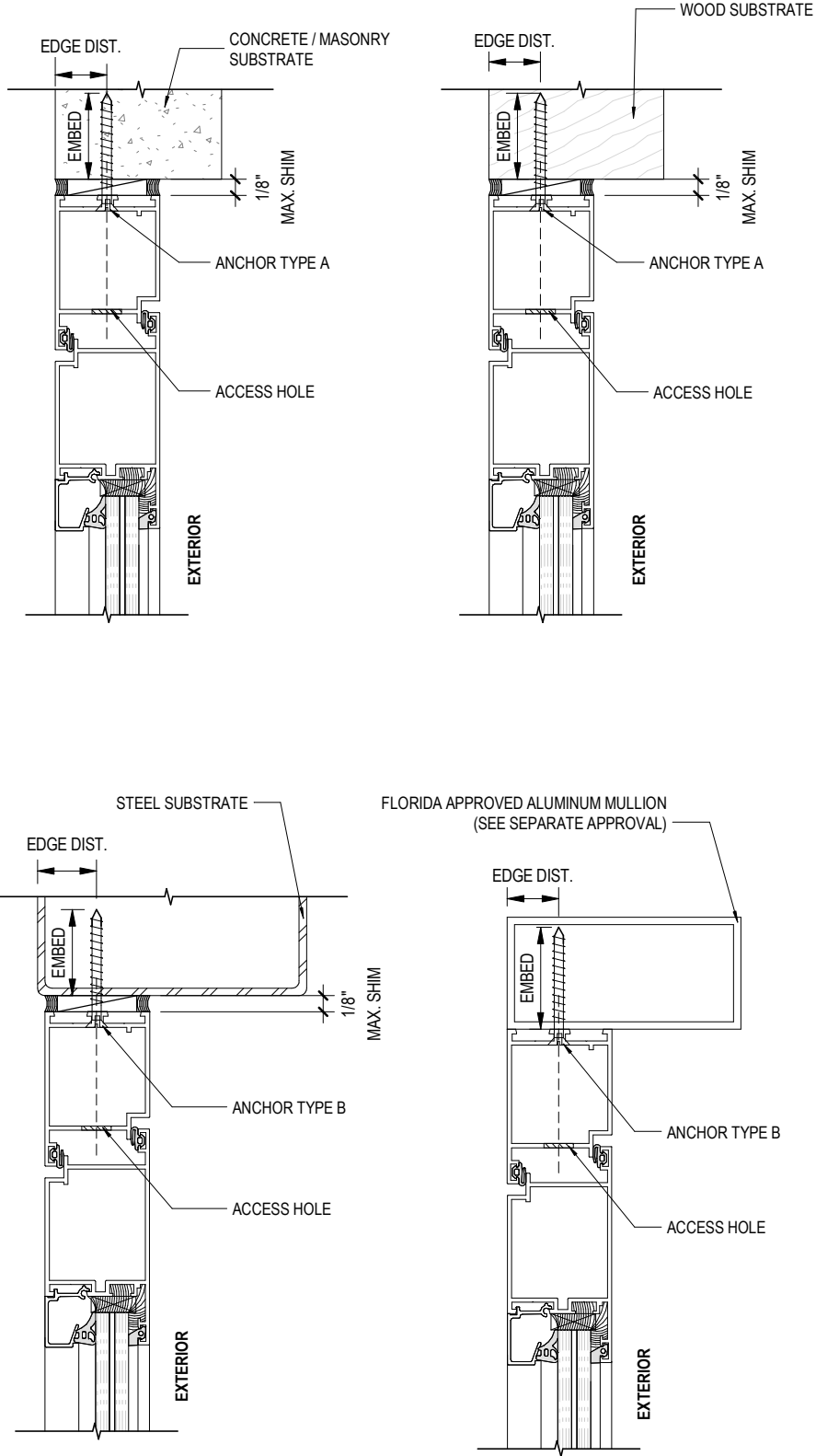
2
107 SINGLE DOOR (X) ANCHOR LAYOUT
N.T.S

ANCHOR / SUBSTRATE NOTES:

- WOOD AT HEAD, SILL OR JAMBS SHALL BE MIN. SOUTHERN YELLOW PINE #2 (G=0.55 MIN.)
- CONCRETE AT HEAD, SILL OR JAMBS SHALL BE MIN. 3000 PSI
- HOLLOW/GROUT FILLED MASONRY UNITS AT JAMBS SHALL BE MIN. 2000 PSI
- STEEL SHALL BE MIN. 1/8" THICK, A36 GRADE AT HEAD, SILL OR JAMBS
- ALUMINUM SHALL BE MIN. 1/8" THICK, A36 GRADE AT HEAD, SILL OR JAMBS
- STEEL IN CONTACT WITH ALUMINUM TO BE COVERED WITH PROTECTIVE COATING BY OTHERS

NOTE:
THE WOOD BUCKS, CONCRETE AND METAL STRUCTURE SHOWN ON THIS SHEET SHALL BE DESIGNED BY OTHERS AND ARE NOT PART OF THIS APPROVAL. THE SUPPORTING STRUCTURE MUST BE CAPABLE OF WITHSTANDING THE LOADS IMPOSED BY THE GLAZING SYSTEM.

SEALANTS:
ALL JOINTS AND FRAME CONNECTIONS SHALL BE SEALED WITH ALUMINUM COLOR SEALANT.



JAVAD AHMAD PE, inc

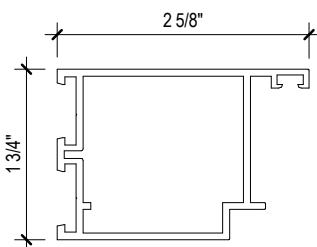
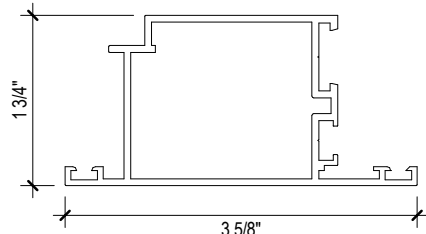
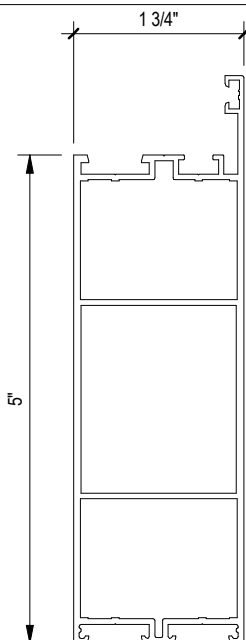
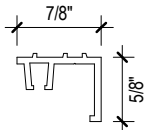
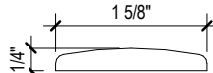
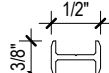
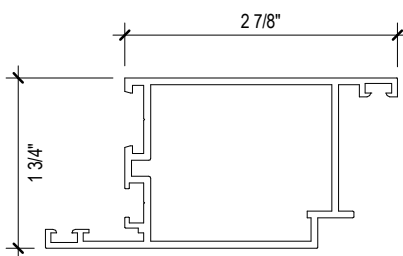
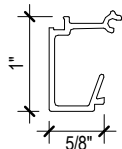
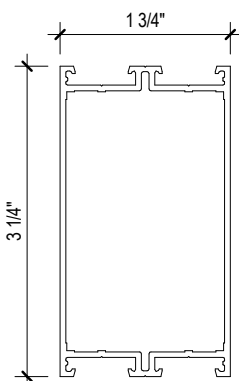
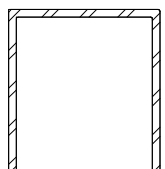
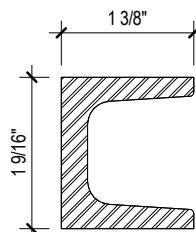
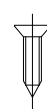
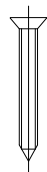
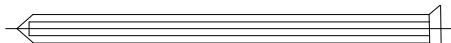
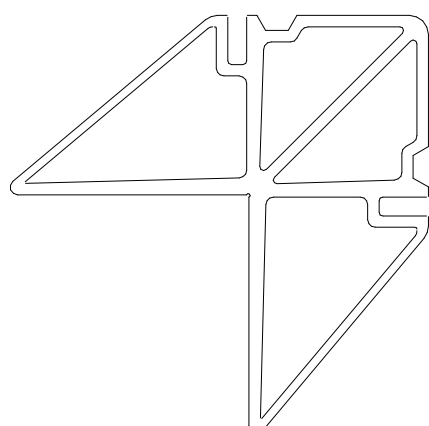
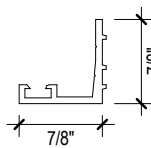
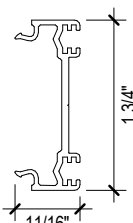
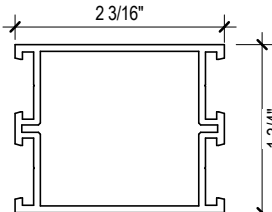
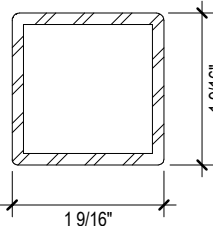
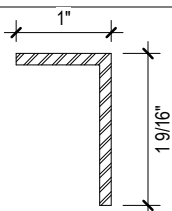
7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :			
MB 45 STOREFRONT ENTRANCE DOOR SYSTEM			
CLIENT :			
ALUPROF SA			
153 STREET, WARSZAWSKA, BIELSKO-BIALA, POLAND 43-300			
REVISION			
No.	DATE	BY	DESCRIPTION
date:		08/26/2024	
scale:		N/A	
drawn by:		SA	
check by:		MK	
Drawing no.		JA-1233-24	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 - C.A.N.34254			



08/26/2024

PARTS LIST				FL #46752.1									
 1 K415224X		 2 K415226X		 3 K430007X		 4 K415223X		 5 K411306X		 6 K4178370X			
 7 K415225X		 8 K431621X				 9 K430055X		 10 AI COVER		 11 8G00431X		 12 120454	
 15 STEEL REINFORCEMENT		 16 7107L410		 17 87123305		 18 87222505		 19 87222509		 20 74000006		 21 CORNER KEY	
 22 74000006		 23 87123305		 24 K417898X		 25 87252203		 26 87252203					
								 28 SQUARE STEEL REINFORCEMENT		 29 L-SHAPE STEEL REINFORCEMENT			

JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 45 STOREFRONT ENTRANCE DOOR SYSTEM

CLIENT :

ALUPROF SA

153 STREET, WARSZAWSKA, BIELSKO-BIALA, POLAND 43-300

REVISION

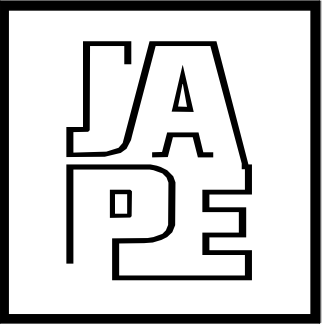
No.	DATE	BY	DESCRIPTION
date:	08/26/2024		
scale:	N/A		
drawn by:	SA		
check by:	MK		
Drawing no.	JA-1233-24		
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 - C.A.N.34254			

JAVAD AHMAD
LICENSE
No 70592
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

08/26/2024

108

OF 112



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 45 STOREFRONT
ENTRANCE DOOR
SYSTEM

CLIENT :

ALUPROF SA

153 STREET, WARSZAWSKA,
BIELSKO-BIALA, POLAND 43-300

REVISION

No.	DATE	BY	DESCRIPTION

date: 08/26/2024

scale: N/A

drawn by: SA

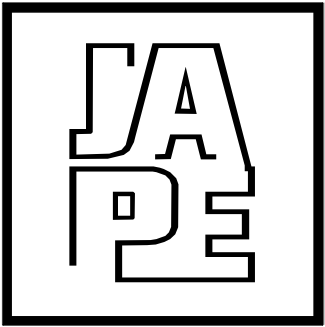
check by: MK

Drawing no. JA-1233-24

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



08/26/2024



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 45 STOREFRONT
ENTRANCE DOOR
SYSTEM

CLIENT :

ALUPROF SA

153 STREET, WARSZAWSKA,
BIELSKO-BIALA, POLAND 43-300

REVISION

No.	DATE	BY	DESCRIPTION

date: 08/26/2024

scale: N/A

drawn by: SA

check by: MK

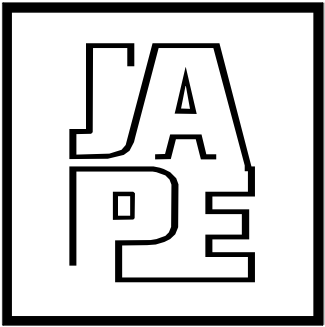
Drawing no. JA-1233-24

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



08/26/2024

ITEM NO.	PART NO.	REQD.	DESCRIPTION	MATERIAL
1	K4125224X	AS REQD.	FRAME HEAD / JAMB MULLION	AW6060-T66
2	K4125226X	AS REQD.	PANEL HEAD / JAMB MULLION	AW6060-T66
3	K430007X	AS REQD.	SILL MULLION	AW6060-T66
4	K415223X	AS REQD.	-	AW6060-T66
5	K411306X	AS REQD.	-	AW6060-T66
6	K4178370X	AS REQD.	-	AW6060-T66
7	K415225X	AS REQD.	MEETING STILE	AW6060-T66
8	K431621X	AS REQD.	GLASS STOP	AW6060-T66
9	K430055X	AS REQD.	SILL MULLION	AW6060-T66
10	-	AS REQD.	ALUMINUM COVER	-
11	8G00431X	AS REQD.	GASKET	-
12	120454	AS REQD.	GASKET	-
13	120542	AS REQD.	GASKET	-
14	120444	AS REQD.	WEATHER STRIP	-
15	-	AS REQD.	STEEL REINFORCEMENT	STEEL
16	7107L410	AS REQD.	-	S.S
17	87123305	AS REQD.	-	S.S
18	87222505	AS REQD.	-	S.S
19	87222509	AS REQD.	-	S.S
20	74000006	AS REQD.	-	S.S
21	-	AS REQD.	CORNER KEY	AW6060-T66
22	-	AS REQD.	-	AW6060-T66
23	-	AS REQD.	-	AW6060-T66
24	K417898X	AS REQD.	-	AW6060-T66
25	-	AS REQD.	-	S.S
26	87252203	AS REQD.	-	S.S
27	87222206	AS REQD.	-	S.S
28	-	AS REQD.	STEEL SQUARE PROFILE	STEEL
29	-	AS REQD.	STEEL L-SHAPE PROFILE	STEEL



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 45 STOREFRONT
ENTRANCE DOOR
SYSTEM

CLIENT :

ALUPROF SA

153 STREET, WARSZAWSKA,
BIELSKO-BIALA, POLAND 43-300

REVISION

No.	DATE	BY	DESCRIPTION

date: 08/26/2024

scale: N/A

drawn by: SA

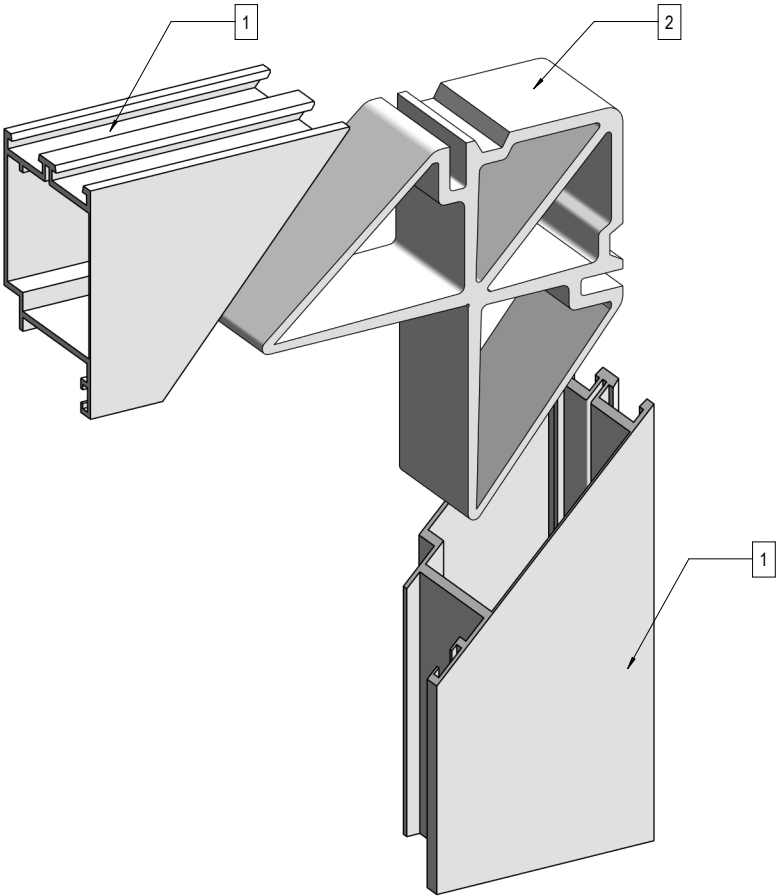
check by: MK

Drawing no. JA-1233-24

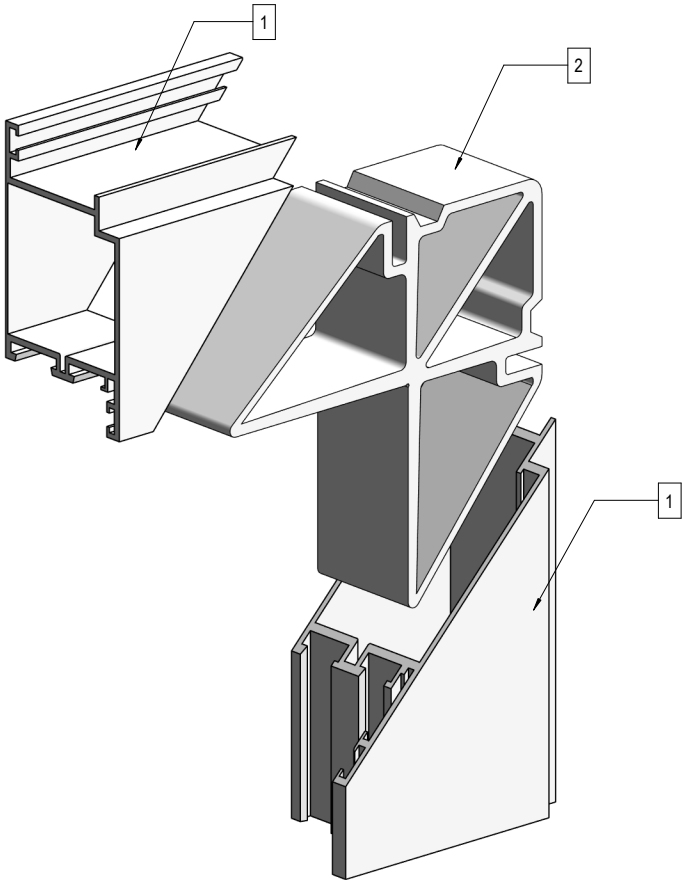
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



08/26/2024

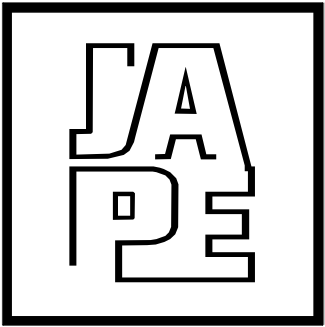


1
110 TYPICAL FRAME CORNER ASSEMBLY
N.T.S.



2
110 TYPICAL PANEL CORNER ASSEMBLY
N.T.S.

1	2
K415224X	80124260
K415225X	80124263
K415226X	



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 45 STOREFRONT
ENTRANCE DOOR
SYSTEM

CLIENT :

ALUPROF SA

153 STREET, WARSZAWSKA,
BIELSKO-BIALA, POLAND 43-300

REVISION

No.	DATE	BY	DESCRIPTION

date: 08/26/2024

scale: N/A

drawn by: SA

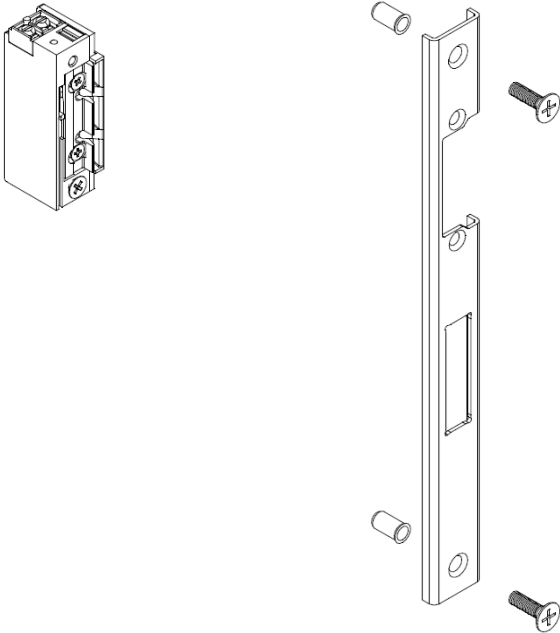
check by: MK

Drawing no. JA-1233-24

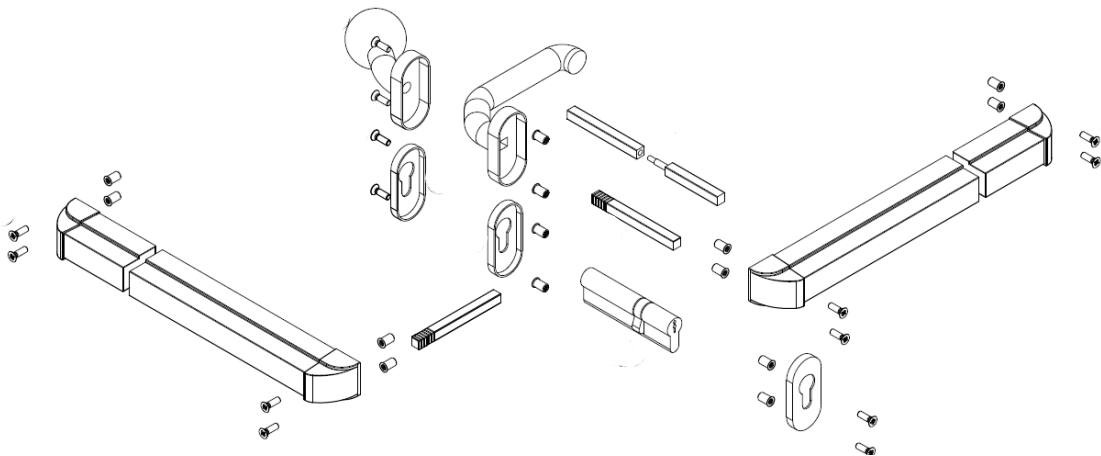
Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



08/26/2024

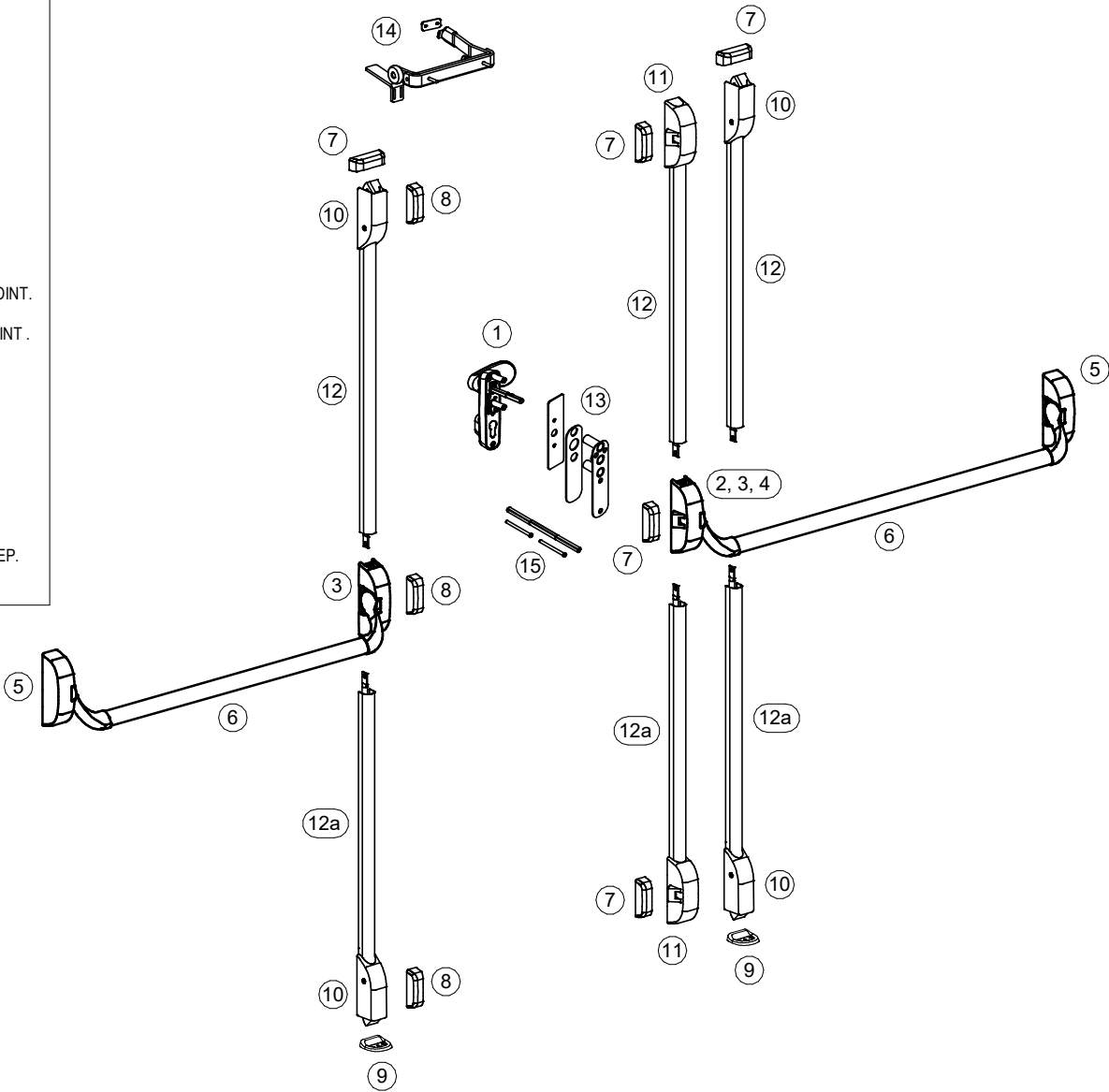


1
111
ELECTRIC STRIKE DETAILS
N.T.S.



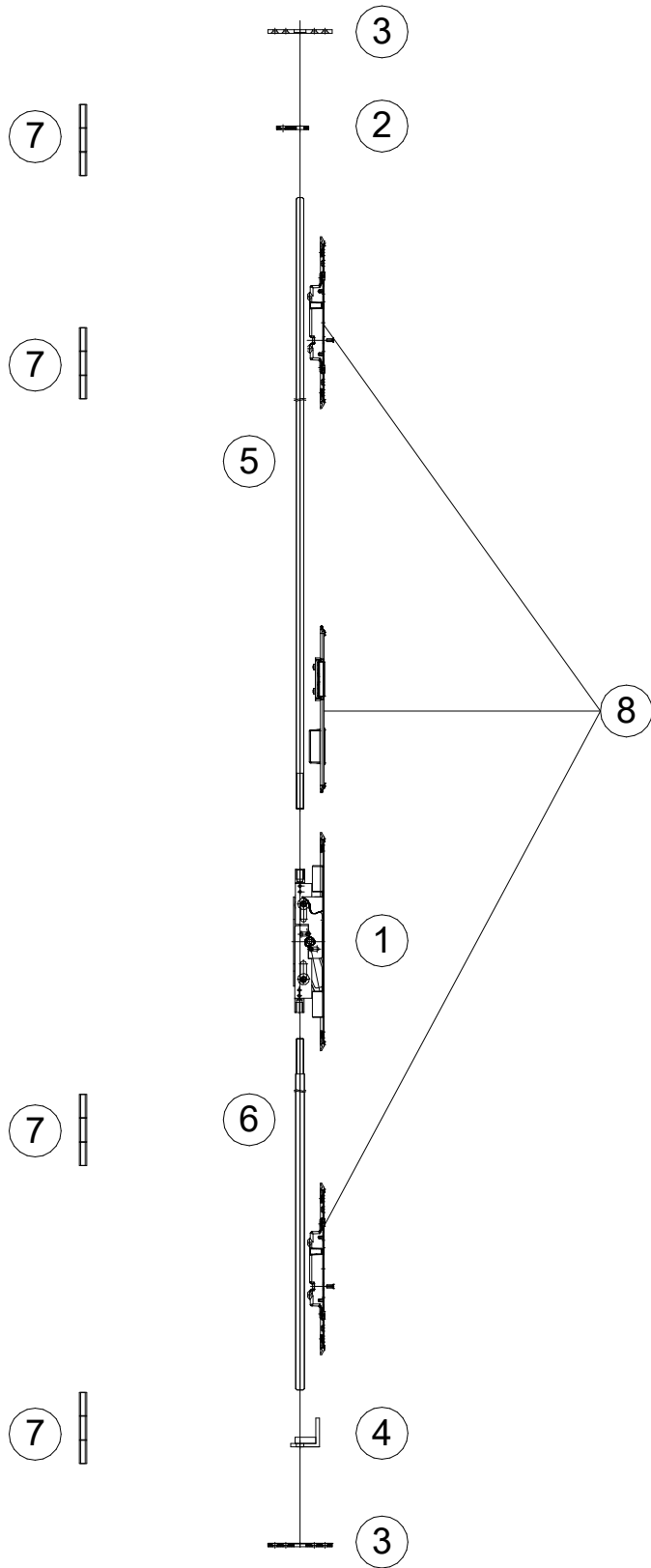
2
111
TYPICAL PANIC BAR FOR SINGLE ACTIVE SASH DOOR
N.T.S.

ITEM NO.	ELEMENT DESCRIPTION
①	a) WIDE HANDLE WITH A CYLINDER b) NARROW HANDLE WITH A CYLINDER / c) KNOB WITH A CYLINDER.
②	CENTRAL LOCK - ONE LOCKING POINT
③	CENTRAL LOCK - TWO LOCKING POINTS
④	CENTRAL LOCK - THREE LOCKING POINTS
⑤	CENTRAL BRACKET
⑥	ROD a) L=830 mm b) L=1130 mm c) L=1430 mm
⑦	KEEPER (ELECTRIC KEEPER)
⑧	KEEPER FOR DOUBLE DOOR
⑨	FLOOR KEEPER
⑩	ADDITIONAL VERTICAL LOCKING POINT.
⑪	ADDITIONAL LATERAL LOCKING POINT .
⑫	CONNECTING BAR, WITH A COVER. a) L=950 mm b) L=1365 mm c) L=2300 mm
⑬	SET FOR THE FIREPROF DOOR.
⑭	CLOSING ORDER ADJUSTER.
⑮	PIVOT FOR PROFILES 65-85 MM DEEP.



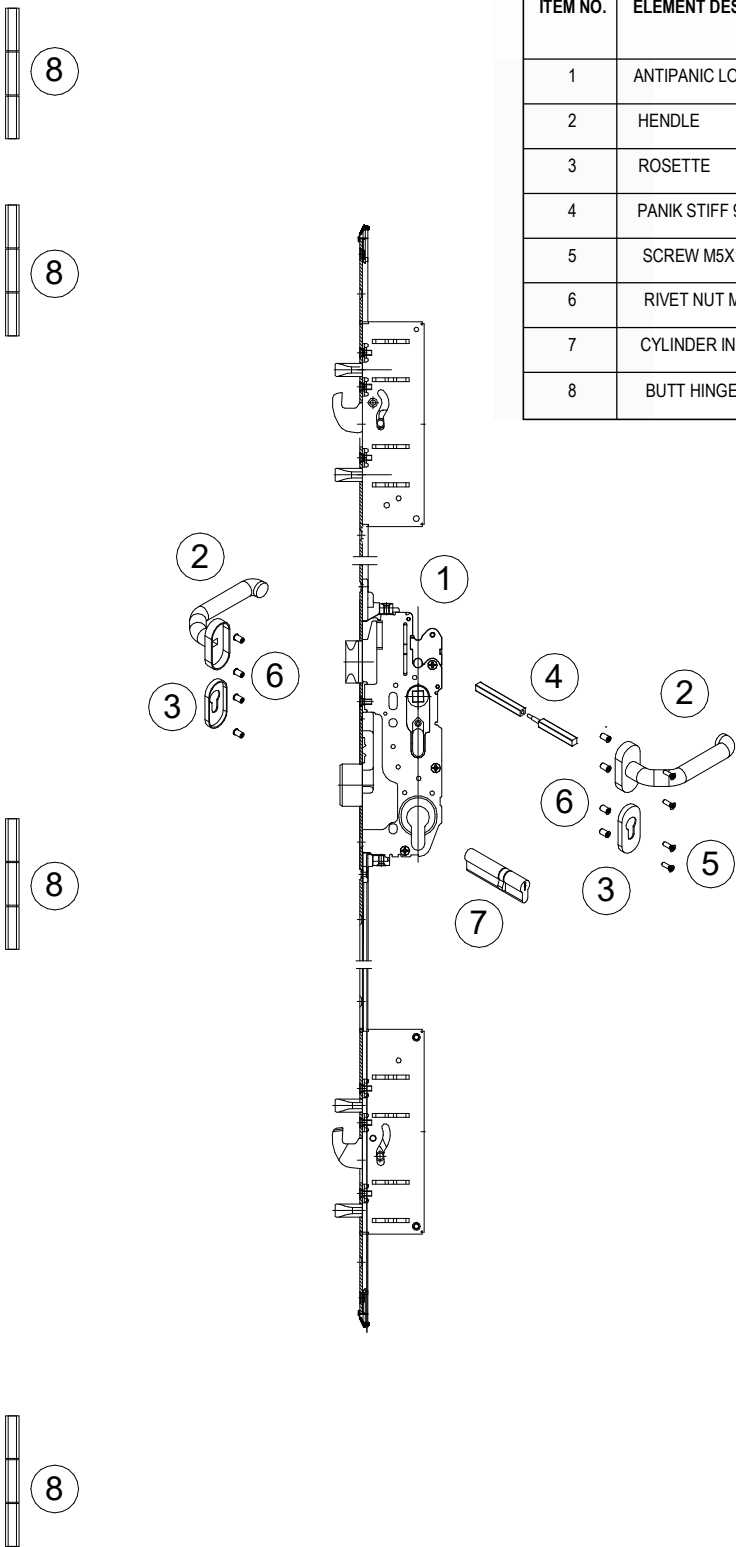
3
111
TYPICAL PANIC HARDWARE FOR DOUBLE ACTIVE DOOR
N.T.S.

HARDWARE DETAILS



1 112 FITTINGS - PASSIVE DOOR LEAF
N.T.S

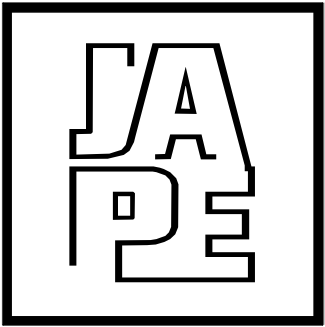
FITTING-PASSIVE DOOR LEAF		
ITEM NO.	ELEMENT DESCRIPTION	CODE NUMBER
1	BOLT	80009434
2	ROUND BOLT PLATE	8A01439X
3	STRIKER PLATE FOR SILL	8A01442X
4	INSERT WITH A ROD GUIDE	8A01441X
5	ROUND ROD Ø10	
6	ROUND ROD Ø12	
7	BUTT HINGES	K8H000710
8	ANTIPANIC LOCK	K80009956



2 112 FITTING-ACTIVE DOOR LEAF
N.T.S

FL #46752.1

FITTING-ACTIVE DOOR LEAF		
ITEM NO.	ELEMENT DESCRIPTION	CODE NUMBER
1	ANTIPANIC LOCK	K80009956
2	HENDLE	K80009598
3	ROSETTE	K80009678
4	PANIK STIFF 9X9X50/80	K80009552
5	SCREW M5X14 A2	
6	RIVET NUT M5	
7	CYLINDER INSERT	KL4150030
8	BUTT HINGES	K8H000710



JAVAD AHMAD PE, inc

7875 NW 12 Street, Suite 102
Doral, FL 33126
Ph: (305) 424-8001
support@ja-pe.com

CONSULTING • STRUCTURAL DESIGN • FACADES • BUILDING
ENVELOPE • SYSTEM DESIGN • PRODUCT APPROVALS

PROJECT :

MB 45 STOREFRONT
ENTRANCE DOOR
SYSTEM

CLIENT :

ALUPROF SA

153 STREET, WARSZAWSKA,
BIELSKO-BIALA, POLAND 43-300

REVISION

No.	DATE	BY	DESCRIPTION

date: 08/26/2024

scale: N/A

drawn by: SA

check by: MK

Drawing no. JA-1233-24

Eng: JAVAD AHMAD, PE
CIVIL FLA. PE # 70592 - C.A.N.34254



08/26/2024