

ITEM	DESCRIPTION	COLOUR/ FINISH
1.01	AGC - PYROBEL MONOLITHIC INTERNAL/EXTERNAL SINGLE / DOUBLE GLAZED -/30/30 FIRE RESISTANT (REFER TO FIGURE 4)	
1.02	AGC - PYROBEL MONOLITHIC INTERNAL/EXTERNAL SINGLE / DOUBLE GLAZED -/60/60 FIRE RESISTANT (REFER TO FIGURE 4)	
2.01	CS-77 FIRE PROOF -/30/30 ALUMINIUM JOINERY	
2.02	CS-77 FIRE PROOF -/60/60 ALUMINIUM JOINERY	
2.03	GLAZING BEAD	
2.04	INNER GLAZING GASKET (SEE TABLE 1)	
2.05	OUTER GLAZING GASKET (SEE TABLE 1)	
2.06	PROPRIETARY PANIC LOCK DOOR HANDLE	
2.07	PROPRIETARY DOOR HINGE	
2.08	CS-77 CONNECTOR PROFILE	
2.09	CS-77 FINISHING PROFILE	
2.10	CS-77 FLOOR PROFILE	
2.11	CS-77 SUPPORTING PROFILE	
2.12	DOOR CLOSER	
2.13	40X40 SILL FLASHING SUPPORT ANGLE	
2.14	4.8MM X 15.2MM SINGLE SIDED BLACK FOAM TAPE	
2.15	SILL TAPE OVER FLASHINGS	
3.01	6.0X80 NANO GALV STAR WASHER CONSTRUCTION SCREW @ 700MM MAX CTRS, 50MM MIN EMBEDMENT	
3.02	METAL FIXING LUGS SPACED @ 200MM FROM CORNERS AND AT EACH SIDE OF MULLIONS AND 700MM TYPICAL CTRS	
3.03	FIRE RESISTANT LABELS - TO BE ATTACHED ON THE INTERIOR-LEFT HAND CORNER OF THE FRR FRAME	
3.04	HILTI - 6X120 HUS SCREW ANCHOR @ 700MM MAX CTRS, 50 MM MIN EMBEDMENT	
4.01	HI-DENSITY MINERAL WOOL	
4.02	PROPRIETARY ENDOTHERMIC COOLING BLOCKS	
4.03	SIKA 400 FIRE SEALANT, AIRSEAL CONTINUOUS AROUND THE PERIMETER; SEALANT RATIO (>10MM = 2:1, =<10MM =1:1)	
4.04	2MM THK SWELLING GASKET	
4.05	6X34MM DRAIN SLOT WITH COVER	
4.06	ACOUSTIC GASKET	
4.07	SILL FLASHING BED SEALED WITH FRR SEALANT	
5.01	GIB FYRELINE (BY OTHERS)	
5.02	TIMBER (BY OTHERS)	
5.03	PRE-CAST (BY OTHERS)	
5.04	FLASHING (BY ACMF)	
5.05	FLASHING (BY OTHERS)	
5.06	CUSTOM DOOR SILL PLATE (BY OTHERS)	
GENERAL NOTE		
ALL DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO MANUFACTURE		

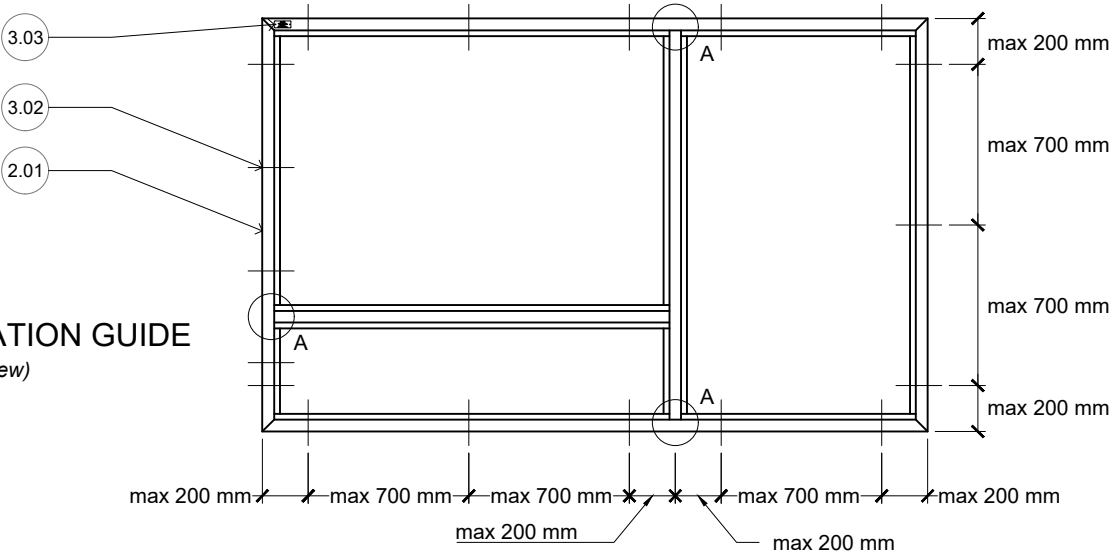
GIB SYSTEMS SUMMARY TABLE					
FIRE RATED WALL - TWO WAY FRR (TIMBER FRAME)					
SPECIFICATION NUMBER	LB/ NLB	STC/ RW	FRR	LINING REQUIREMENTS	DETAIL
GBTL 30b	LB	35/35	30/30/30	1 LAYER 13MM GIB® STANDARD	
GBTL 60	LB	36/36	60/60/60	1 LAYER 13MM GIB FYRELINE®	
FIRE RATED WALL - TWO WAY FRR (STEEL FRAME)					
GBTL 30a	LB	40/40	30/30/30	1 LAYER 16MM GIB FYRELINE®	
GBTL 60b	LB	48/48	60/60/60	2 LAYERS 13MM GIB FYRELINE ®	
FIRE RATED WALL - ONE WAY FRR (TIMBER OR STEEL FRAME)					
GBUW 30a	LB/ NLB		30/30/30	1 LAYER 16MM GIB FYRELINE®	
GBUW 30b	LB/ NLB		30/30/30	2 LAYERS 10MM GIB FYRELINE ®	
GBUW 60	LB/ NLB		60/60/60	2 LAYERS 13MM GIB FYRELINE ®	

NOTE:

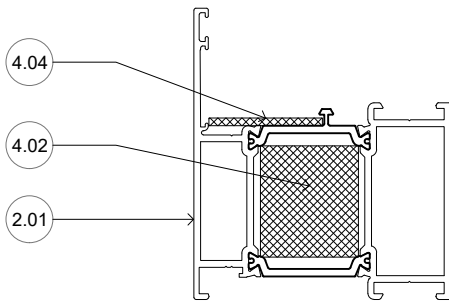
GB	-	GIB® PLASTERBOARD
T	-	TIMBER FRAME WALL
L	-	LOAD BEARING SYSTEM
a/b	-	ALTERNATIVE SYSTEM - GIB RAIL®
UW	-	UNIVERSAL WALL
LB	-	LOAD BEARING
NLB	-	NON-LOAD BEARING
STC	-	SOUND TRANSMISSION CLASS
RW	-	WEIGHTED SOUND REDUCTION INDEX

FIRE SEALANT
SIKAFLEX -400 FIRE GREY - FIRE SEALANT
DOWSIL FIRESTOP 700 BLACK - FIRE SEALANT
SOUDAL SOUDASEAL FIRESTOP GREY - FIRE SEALANT

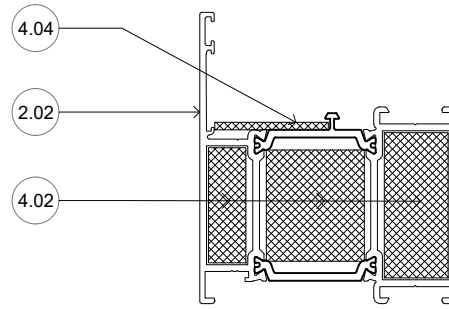
FIGURE 1



FIXING INSTALLATION GUIDE
(interior view)



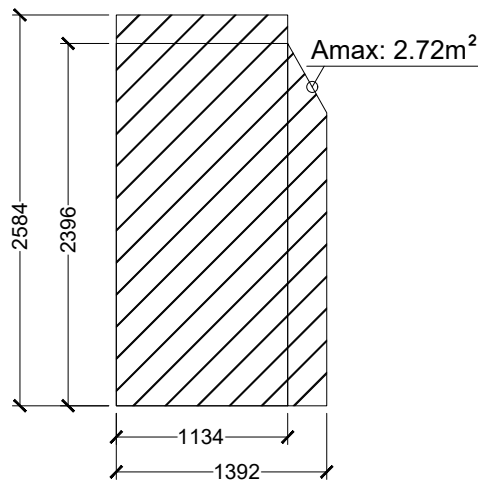
FRR -/30/30



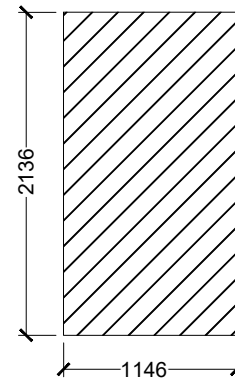
FRR -/60/60

FIGURE 2

COOLING BLOCK CONFIGURATION INSIDE CS-77 PROFILE



PYROBEL 17EG



PYROBEL 25EG

FIGURE 3

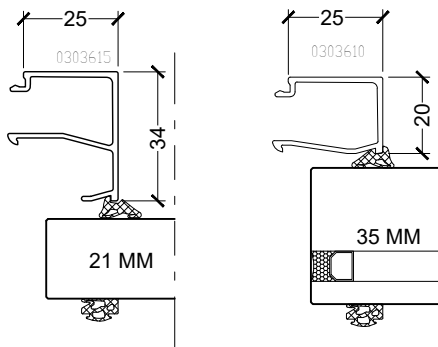
MAXIMUM GLASS SIZE

TABLE 1

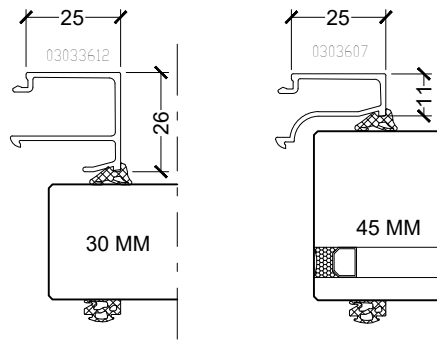
GLASS THK	GLAZING BEAD	INSIDE GASKET	OUTSIDE GASKET
21 MM	030.3615.XX	080.9124.SY	080.9114.SY
30 MM	030.3612.XX	080.9124.SY	080.9114.SY
35 MM	030.3610.XX	080.9125.SY	080.9114.SY
45 MM	030.3607.XX	080.9124.SY	080.9114.SY

PYROBEL 17EG = 21MM | DGU = 35MM
PYROBEL 25EG = 30MM | DGU = 45MM

GLAZING TABLE



PYROBEL 17EG = 21MM | DGU = 35MM



PYROBEL 25EG = 30MM | DGU = 45MM

FIGURE 4

GLAZING BEAD PROFILE



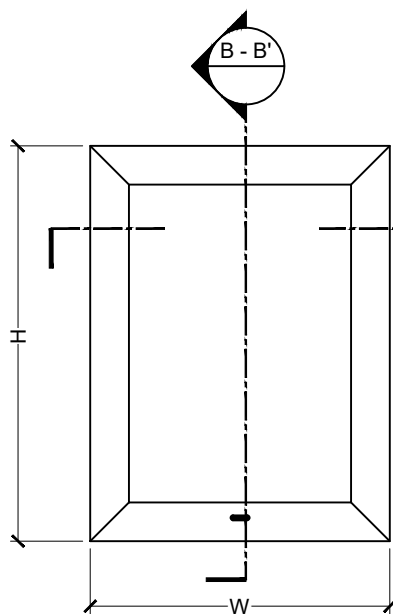
ACMF - SOLAR EDGE
PO BOX 101 760 NORTH SHORE 0745
TEL: 09 214 3236 FAX: 09 444 2142
68 ELLICE ROAD, GLENFIELD

FRR - NOTES

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DATE : SEPTEMBER 2024

SCALE : 1 : 2 A4



WINDOW ELEVATION

EXTERIOR

FRAME

GLASS

INTERIOR

SECTION B - B'

2.15

A - A'

3.01

3.01

5.05

4.01

4.03

2.14

5.04

4.04

2.01

2.03

2.05

1.01

2.04

4.05

2.01

4.02

5.04

15 MM

2.13

4.07

4.01

4.03

5.01

15 MM

77

2510/700

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

6.0X80 NANO GALV
GS-10X32

50 MIN

HEAD DETAIL

SILL DETAIL

6.0X80 NANO GALV

50 MIN



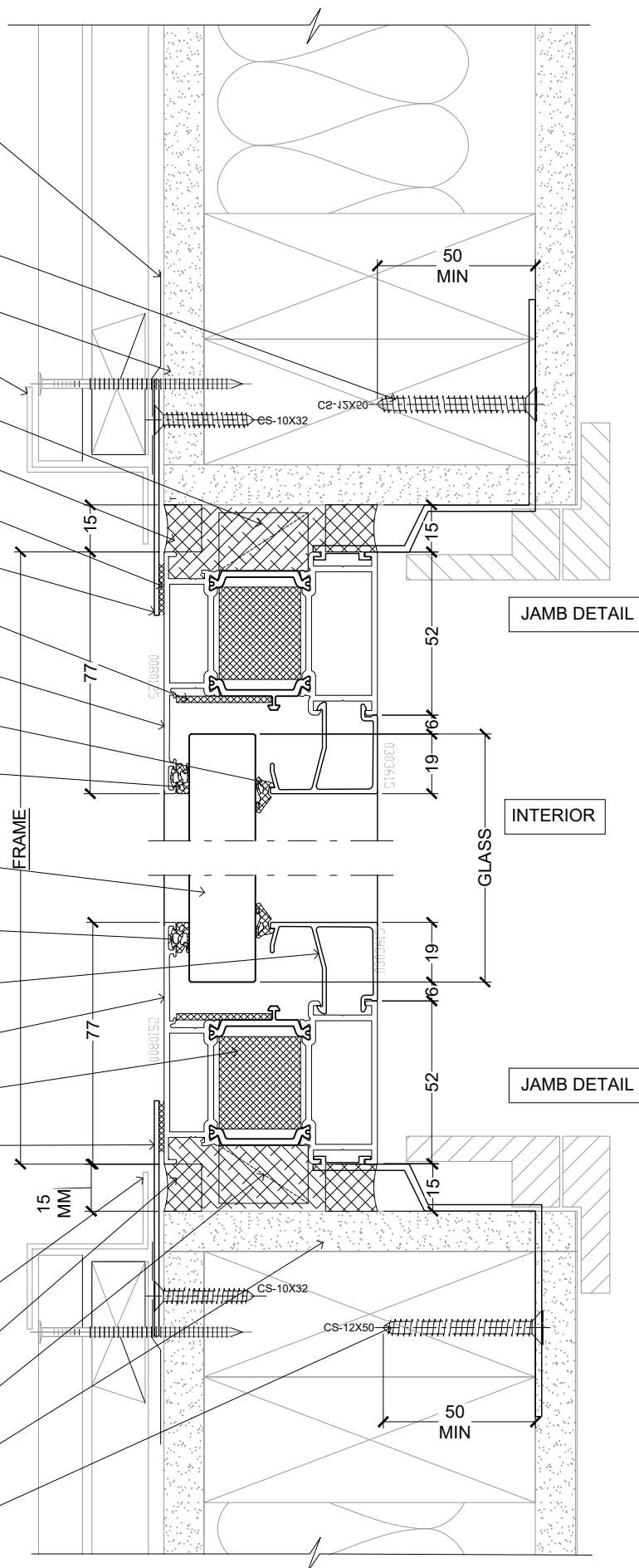
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FRR - FIXED WINDOW TYPICAL SECTION DETAILS

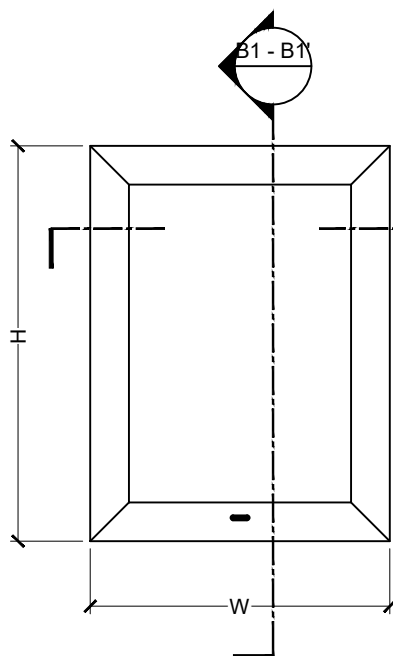
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SECTION A - A'



WINDOW ELEVATION

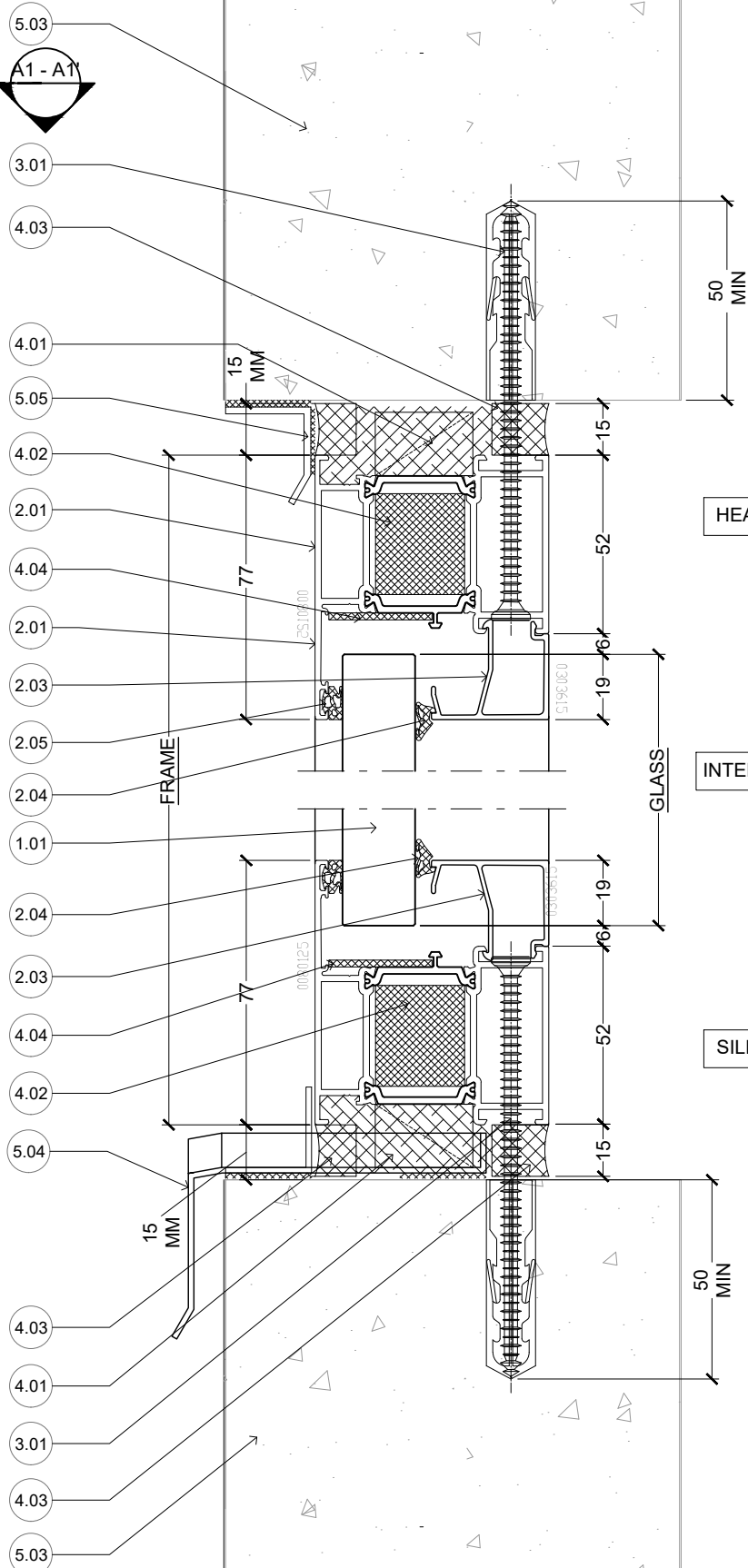
EXTERIOR

HEAD DETAIL

INTERIOR

SILL DETAIL

SECTION B1 - B1'



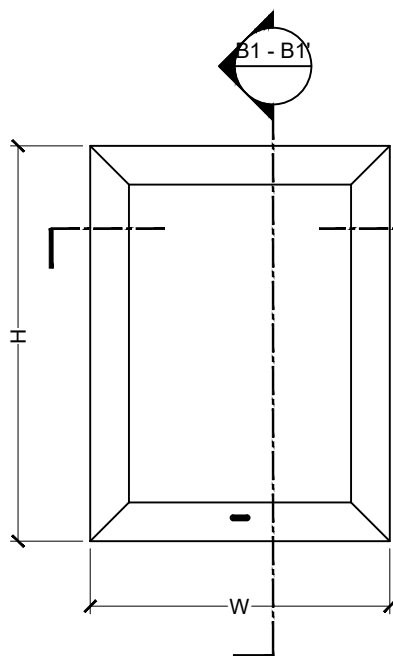
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FRR - FIXED WINDOW TYPICAL SECTION DETAILS

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SCALE : 1 : 2 A4

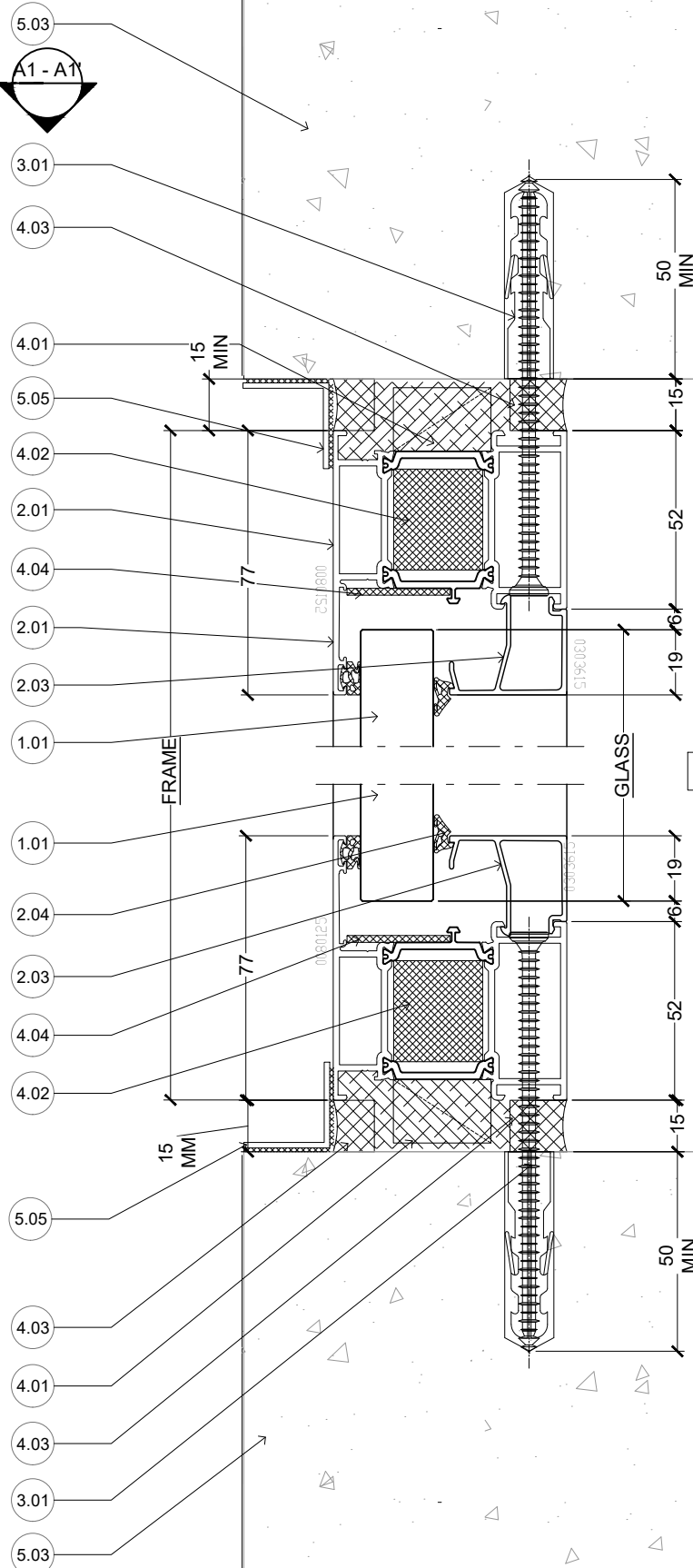


WINDOW ELEVATION

EXTERIOR

INTERIOR

SECTION A1 - A1'



JAMB DETAIL

JAMB DETAIL



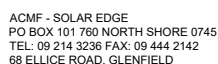
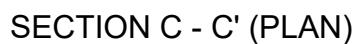
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FRR - FIXED WINDOW TYPICAL SECTION DETAILS

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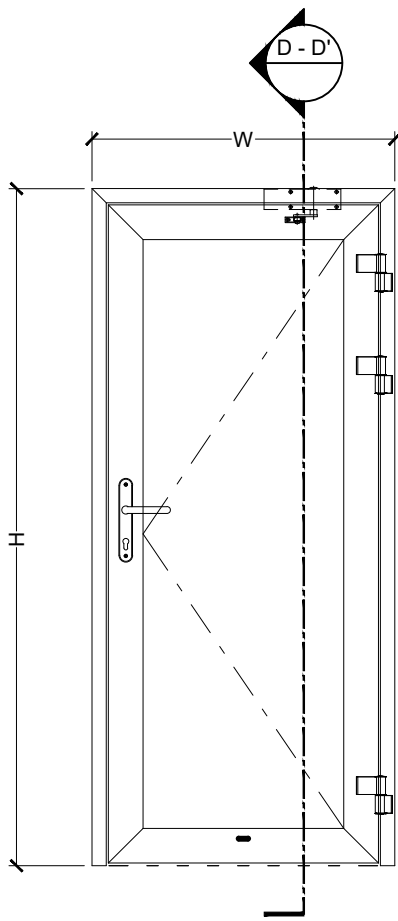


FRR - WITH CENTER MULLION TYPICAL SECTION DETAILS

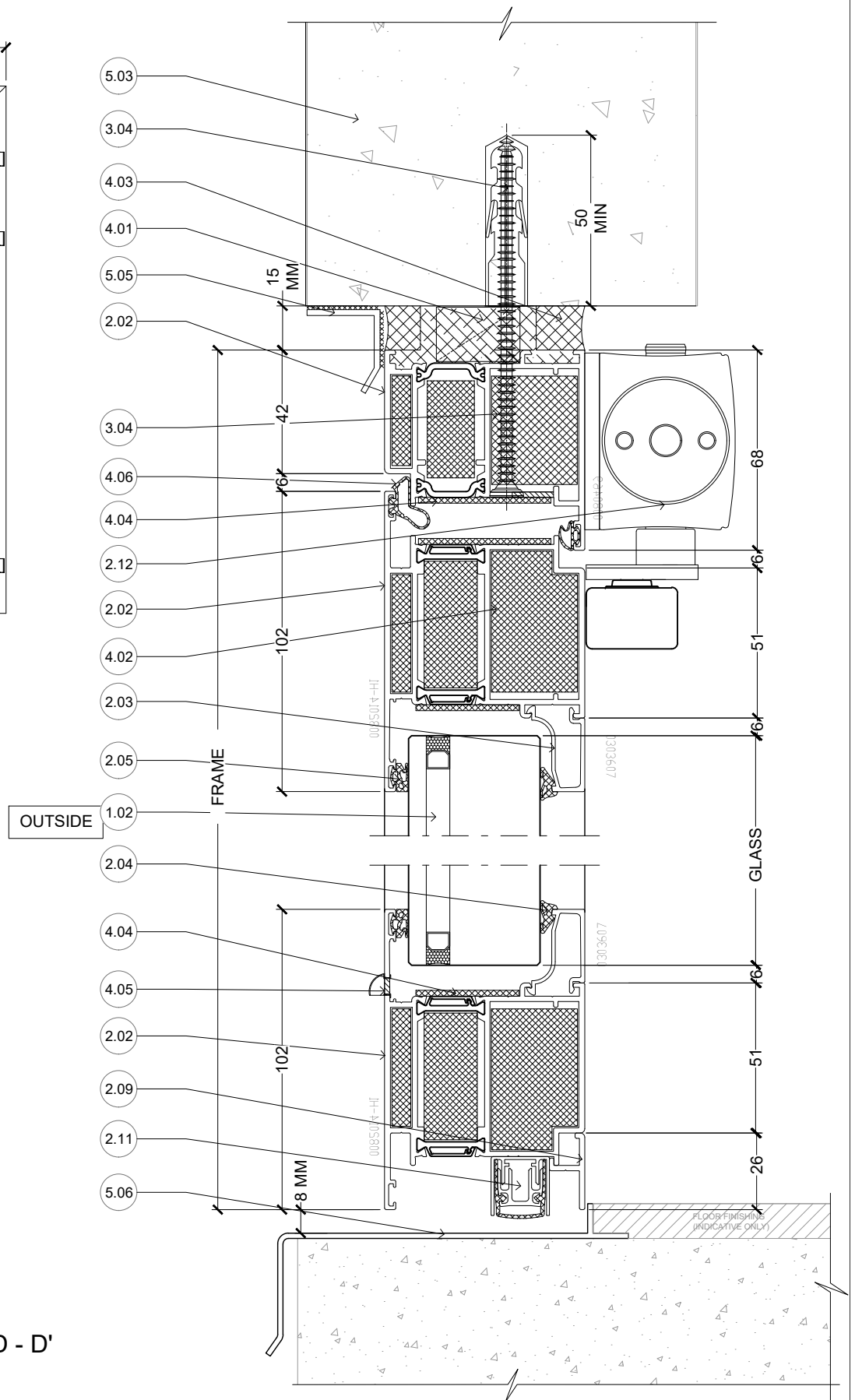
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SCALE : 1 : 2 A4



DOOR ELEVATION



SECTION D - D'



ACMF - SOLAR EDGE
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TEL: 09 214 3236 FAX: 09 444 2142
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FRR - SINGLE DOOR TYPICAL VERTICAL SECTION DETAIL

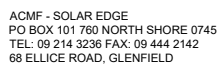
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SCALE : 1 : 2 A4



SECTION E - E' (PLAN)

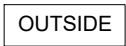


FRR - SINGLE DOOR
TYPICAL HORIZONTAL SECTION DETAIL

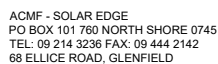
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SCALE : 1 : 2 A4



SECTION E - E' (PLAN)

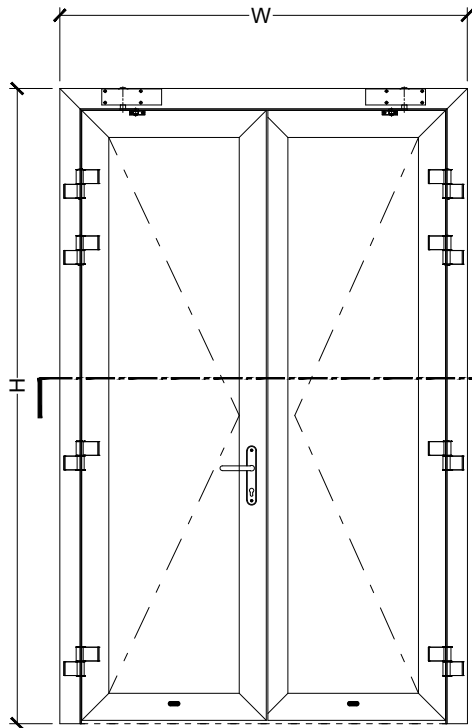


FRR - SINGLE DOOR
TYPICAL HORIZONTAL SECTION DETAIL

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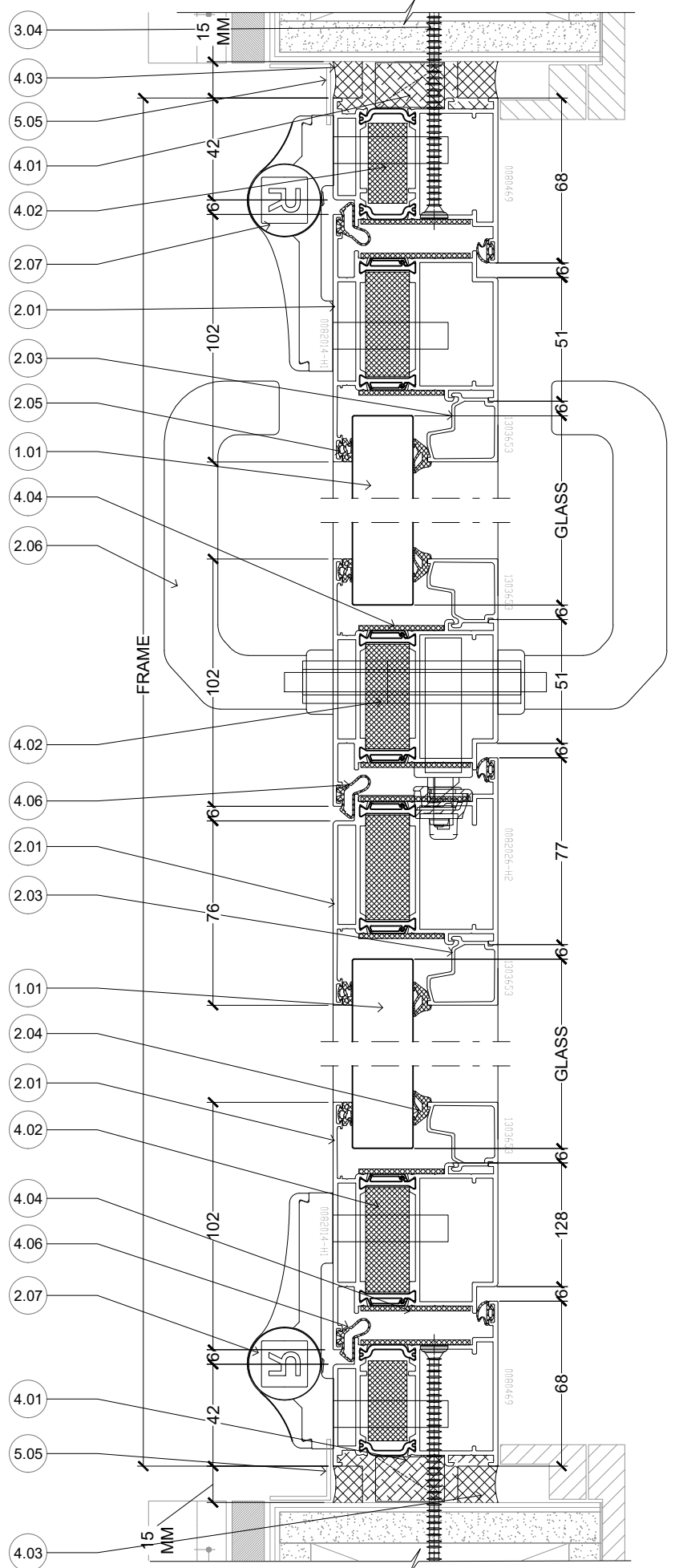
SCALE : 1 : 2 A4



DOOR ELEVATION

OUTSIDE

SECTION E - E' (PLAN)



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FRR - DOUBLE DOOR TYPICAL HORIZONTAL SECTION DETAIL

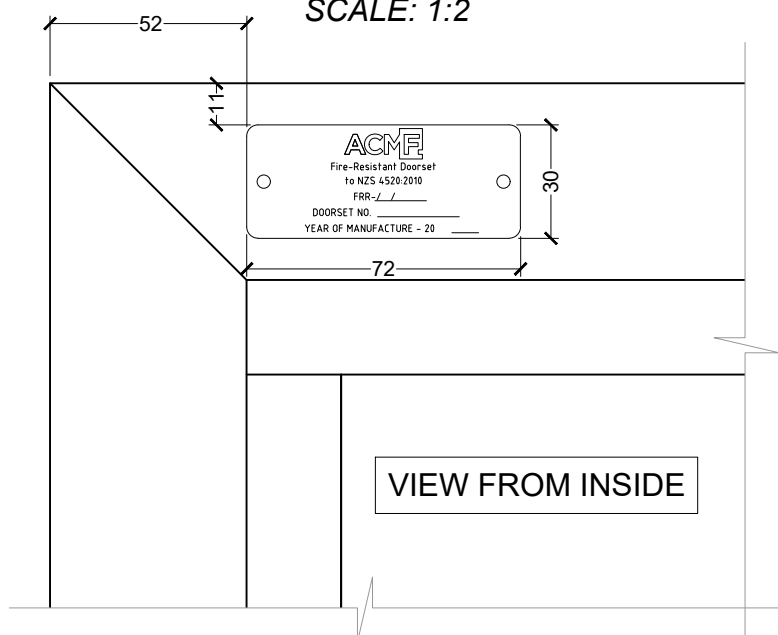
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SCALE : 1 : 2.5 A4

LABEL FIXING INSTALLATION GUIDE

SCALE: 1:2



3.03



Fire-Resistant Doorset
to NZS 4520:2010
FRR- / **XX XX**
DOORSET NO. **XXX - XX**
YEAR OF MANUFACTURE - 20 **XX**

3.03



Fire-Resistant Glazing Systems
to NZS 4232:- Part 2: 1988
FRR- / **XX XX**
WINDOW NO. **XXX - XX**
YEAR OF MANUFACTURE - 20 **XX**

**FIRE RESISTANT LABELS
TO BE ATTACHED ON THE INTERIOR-LEFT
HAND CORNER OF THE FRR FRAME**



ACMF - SOLAR EDGE
PO BOX 101 760 NORTH SHORE 0745
TEL: 09 214 3236 FAX: 09 444 2142
68 ELLICE ROAD, GLENFIELD

FIRE RESISTANT LABELS

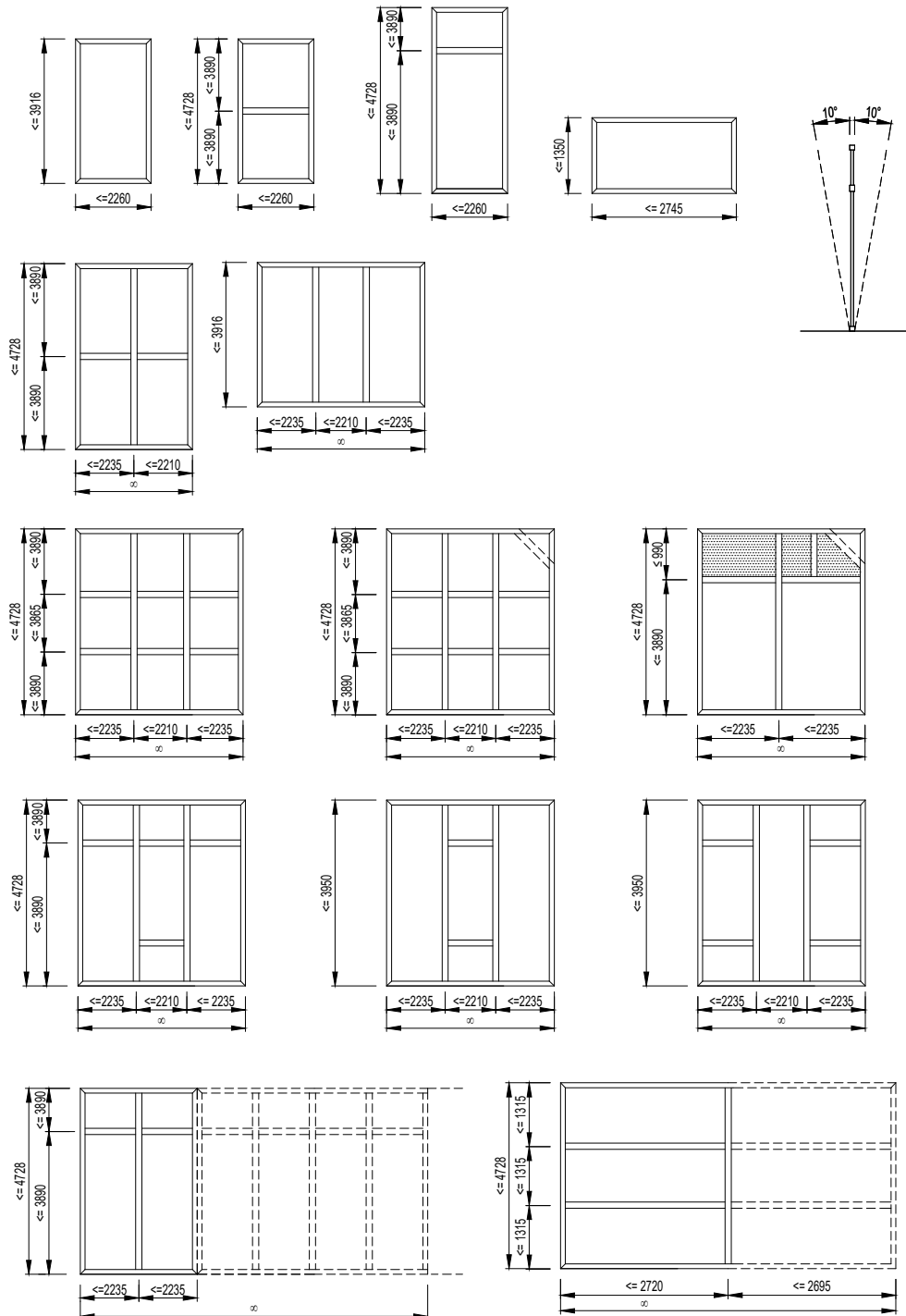
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DATE : SEPTEMBER 2024

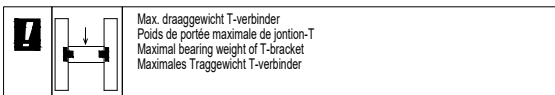
SCALE : 2:1

BUITEN- EN BINNENOPLOSSING
SOLUTION POUR EXTERIEUR ET INTERIEUR
USE OUTSIDE AND INSIDE
AUSSENLÖSUNG UND INNENLÖSUNG

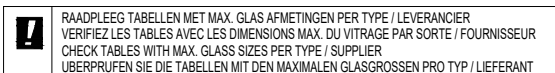
Fire classification following EN 13501-2
glazed partitions : 2008- Efectis- R0935 [Rev.2]



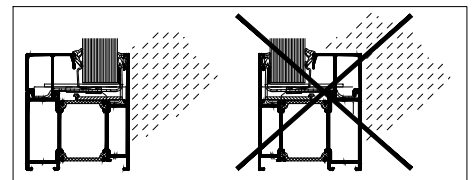
TOEGESTANE INSTALLATIEHOEK
ANGLE D'INSTALLATION AUTORISE
ALLOWED INSTALLATION ANGLE
ZUGELASSEN INSTALLATIONSWINKEL



Max. draaggewicht T-verbinder
Poids de portée maximale de jonction-T
Maximal bearing weight of T-bracket
Maximales Traggewicht T-verbinder



RAADPLEEG TABELLEN MET MAX. GLAS AFMETINGEN PER TYPE / LEVERANCIER
VERIFIEZ LES TABLES AVEC LES DIMENSIONS MAX. DU VITRAGE PAR SORTE / FOURNISSEUR
CHECK TABLES WITH MAX. GLASS SIZES PER TYPE / SUPPLIER
ÜBERPRÜFEN SIE DIE TABELLEN MIT DEN MAXIMALEN GLASGRÖSSEN PRO TYP / LIEFERANT

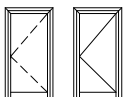
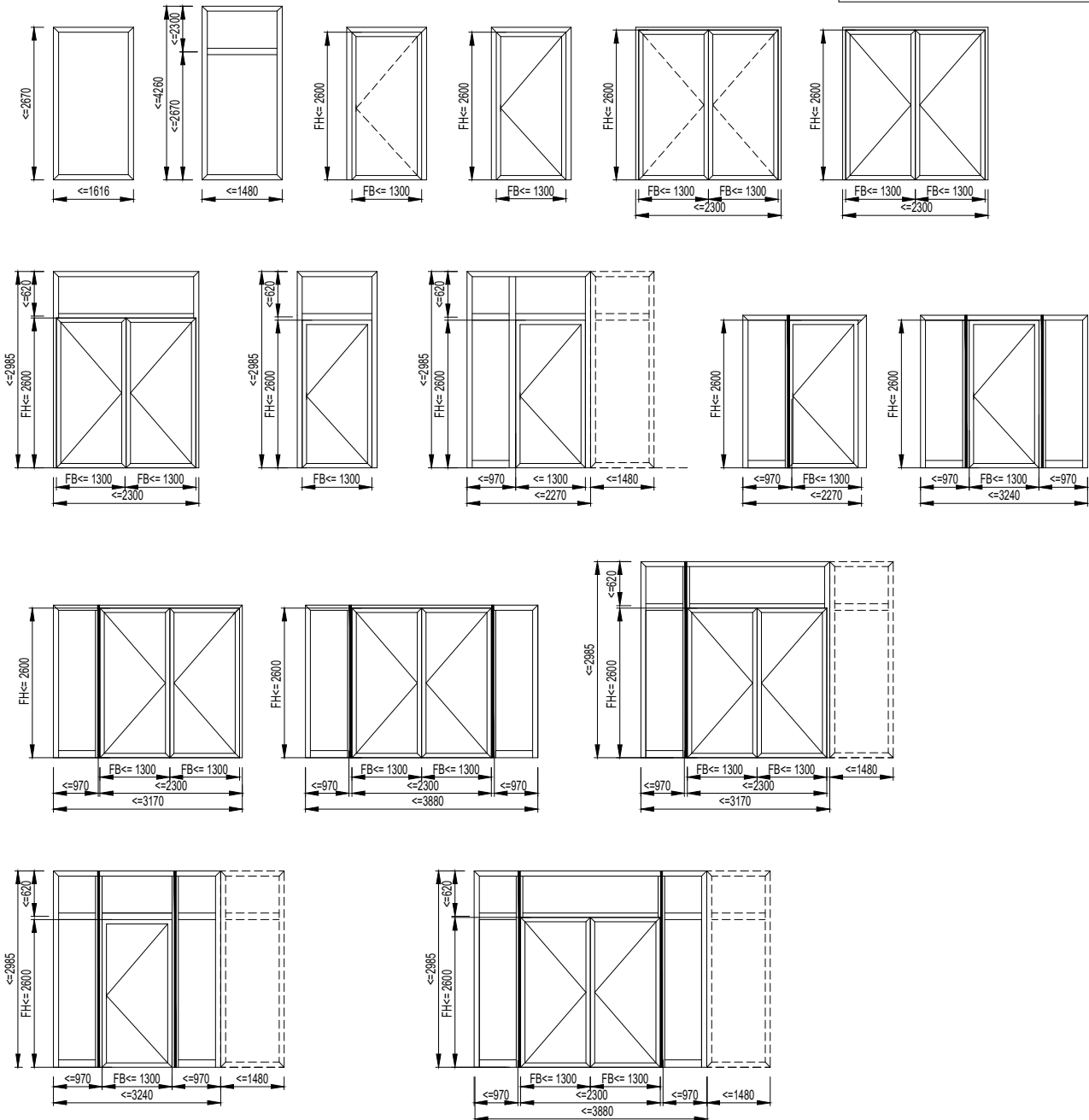


CS 77-FP EI1 30/SP

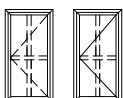
* Smoke control doors following DIN 18095-2 and EN 13501-2
 * Fire classification following EN 13501-2
 doors : 2008- Efectis- R0936 [Rev.2]



ZIE CATALOGUS CS77-SP
 AVOIR CATALOGUE CS77-SP
 SEE CATALOG CS77-SP
 SIEHE KATALOG CS77-SP



ALLE DEUREN MOGELIJK MET SOKKELPROFIEL
 TOUTES PORTES AVEC PLINTE BAS DE PORTE
 ALL DOORS POSSIBLE WITH BOTTOM RAIL SOLUTION
 ALLE TÜREN MIT SOCKELPROFIL MÖGLICH



ALLE DEUREN BESCHIKBAAR MET T-PROFIEL
 ALL DOORS AVAILABLE WITH TRANSOMS AND MILLIONS
 TOUTES PORTES POSSIBLE AVEC TRAVERSE
 ALLE TÜREN MIT T-PROFIL MÖGLICH



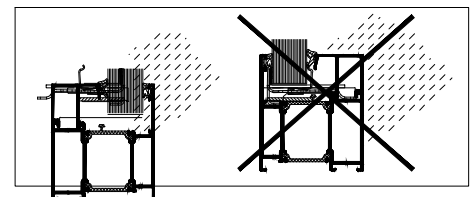
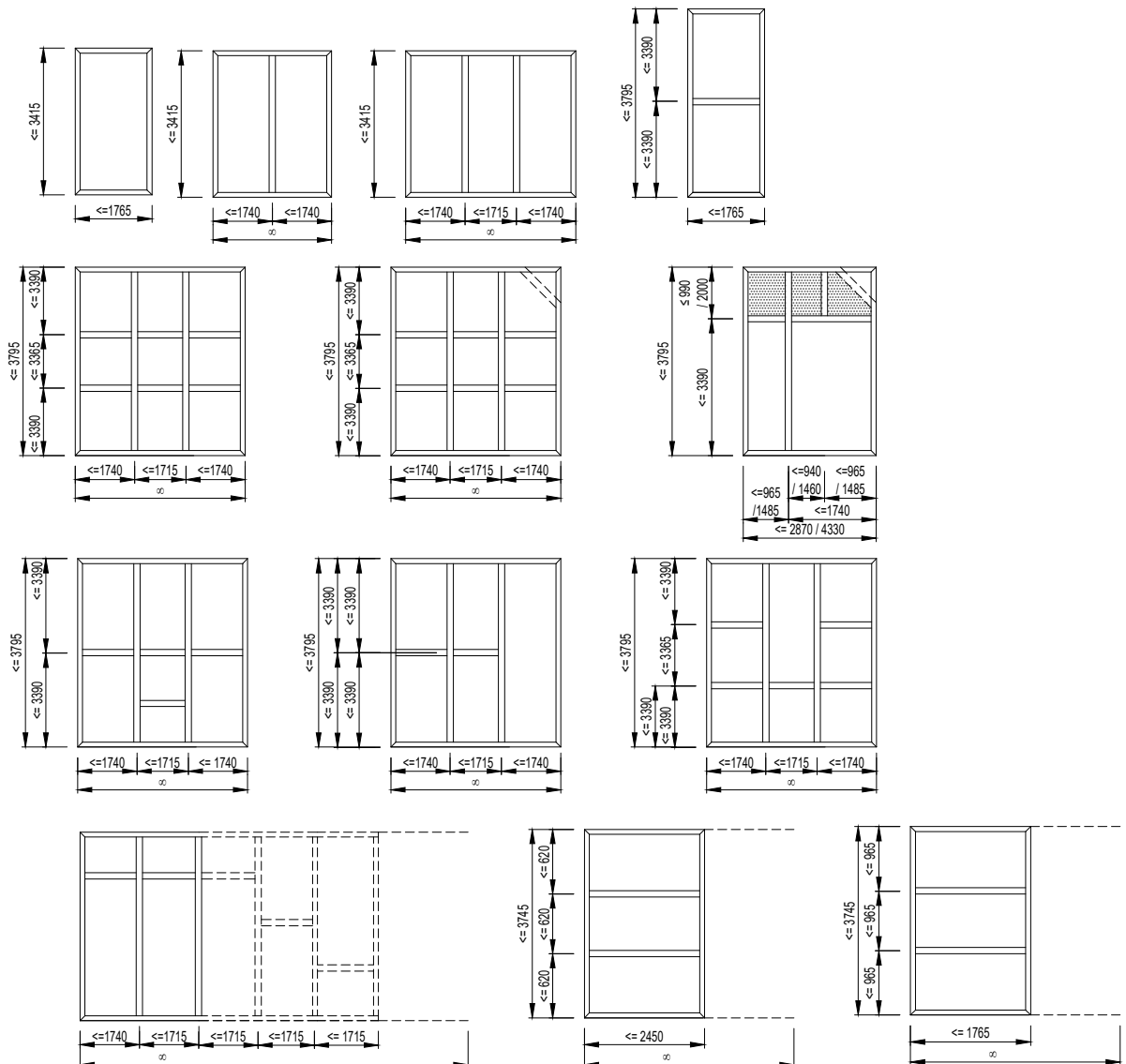
INCLUSIEF PANIEKOPLOSSING VOLGENS EN 179 & EN 1125 - FH BEPERKT TOT 3000MM / FB MIN. HOOFDSTUK F OPENING DOORS
 SOLUTION PANIQUE SUIVANT EN 179 & EN 1125 - FH LIMITÉE À TOT 3000MM / FB MIN. CHAPITRE F OPENING DOORS
 INCLUSIVE PANIC SOLUTIONS FOLLOWING EN 179 & EN 1125 - FH LIMITED TO 3000MM / FB MIN. CHAPTER F OPENING DOORS
 EINSCHLIESSLICH PANIKLÖSUNG LAUT EN 179 & EN 1125 - FH LIMITED BIS 3000MM / FB MIN. KAPITEL F OPENING DOORS



ENKEL BINNENOPLOSSING
 SOLUTION POUR INTERIEUR SEULEMENT
 ONLY USE INSIDE
 NUR INNENLÖSUNG

BUITEN- EN BINNENOPLOSSING
SOLUTION POUR EXTERIEUR ET INTERIEUR
USE OUTSIDE AND INSIDE
AUSSENLOSUNG UND INNENLOSUNG

Fire classification following EN 13501-2
glazed partitions : 2008- Efectis- R0933 [rev.2]



!	Max. draaggewicht T-verbinder Poids de portée maximale de jonction-T Maximal bearing weight of T-bracket Maximales Traggewicht T-verbinder
!	RAADPLEEG TABELLEN MET MAX. GLAS AFMETINGEN PER TYPE / LEVERANCIER VERIFIEZ LES TABLES AVEC LES DIMENSIONS MAX. DU VITRAGE PAR SORTE / FOURNISSEUR CHECK TABLES WITH MAX. GLASS SIZES PER TYPE / SUPPLIER ÜBERPRÜFEN SIE DIE TABELLEN MIT DEN MAXIMALEN GLASGRÖßEN PRO TYP / LIEFERANT

CS 77-FP EI60/SP

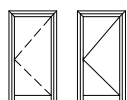
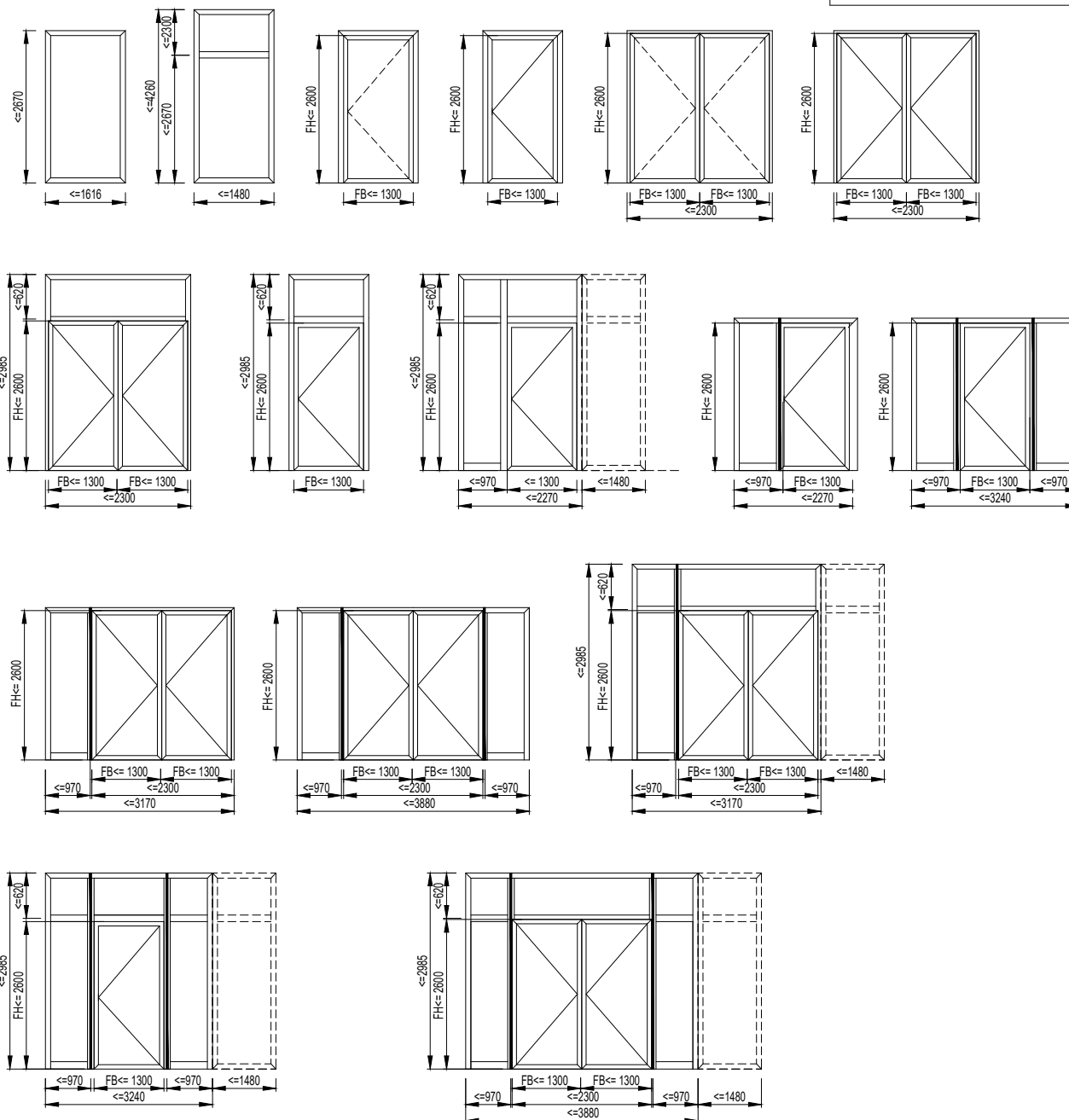
* Smoke control doors following DIN 18095 and EN 13501-2

* Fire classification following EN 13501-2

doors : 2008- Efectis- R0934 [Rev.3]



ZIE CATALOGUS CS77-SP
 AVOIR CATALOGUE CS77-SP
 SEE CATALOG CS77-SP
 SEHE KATALOG CS77-SP



ALLE DEUREN MOGELIJK MET SOKKELPROFIEL
 TOUTES PORTES AVEC PLINTE BAS DE PORTE
 ALL DOORS POSSIBLE WITH BOTTOM RAIL SOLUTION
 ALLE TÜREN MIT SOCKELPROFIL MÖGLICH



INCLUSIEF PANIEKOPLOSSING VOLGENS EN 179 & EN 1125 - FH BEPERKT TOT 3000MM / FB MIN HOOFDSTUK F OPENING DOORS
 SOLUTION PANIQUE SUIVANT EN 179 & EN 1125 - FH LIMITÉE À TOT 3000MM / FB MIN CHAPITRE F OPENING DOORS
 INCLUSIVE PANIC SOLUTIONS FOLLOWING EN 179 & EN 1125 - FH LIMITED TO 3000MM / FB MIN. CHAPTER F OPENING DOORS
 EINSCHLIESSLICH PANIKLÖSUNG LAUT EN 179 & EN 1125 - FH LIMITED BIS 3000MM / FB MIN. KAPITEL F OPENING DOORS



ENKEL BINNENOPLOSSING
 SOLUTION POUR INTERIEUR SEULEMENT
 ONLY USE INSIDE
 NUR INNENLÖSUNG