

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	FIRE RATED 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	CLADDING (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)	
5.07	13MM GIB FYRELINE (BY OTHERS)	
5.08	SCRIBER (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

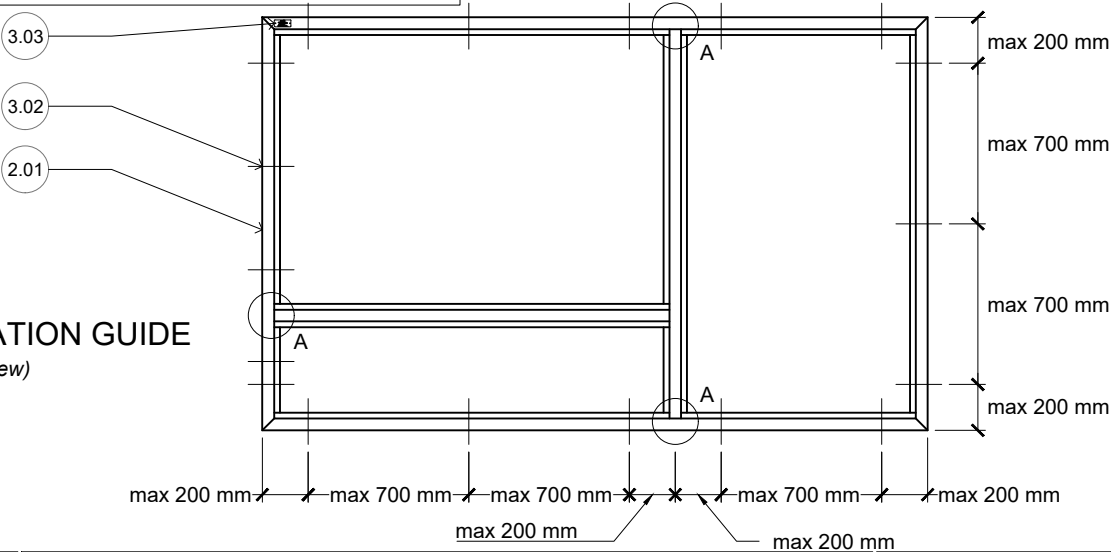
RW

-

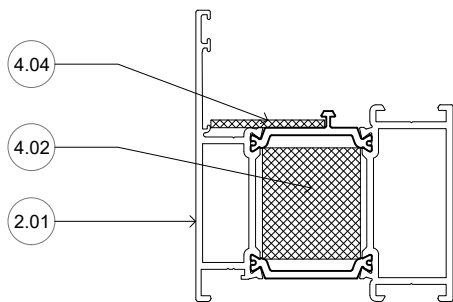
WEIGHTED SOUND REDUCTION INDEX

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

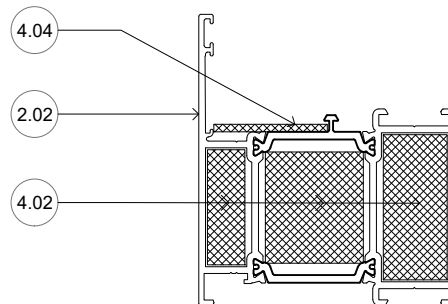
FIGURE 1



FIXING INSTALLATION GUIDE
(interior view)



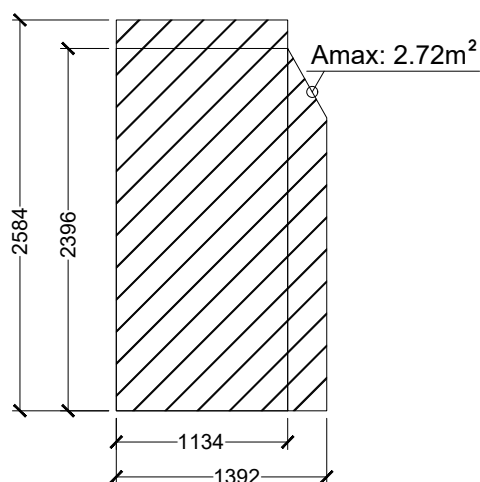
FRR -/30/30



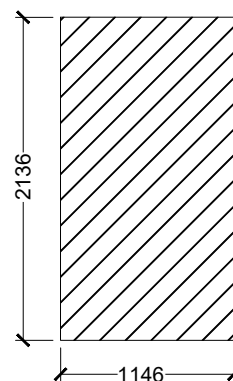
FRR -/60/60

FIGURE 2

COOLING BLOCK CONFIGURATION INSIDE CS-77 PROFILE



PYROBEL 17EG



PYROBEL 25EG

FIGURE 3

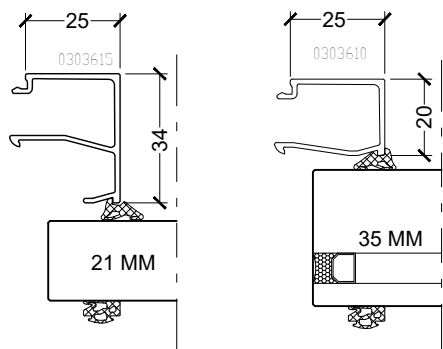
MAXIMUM GLASS SIZE

TABLE 1

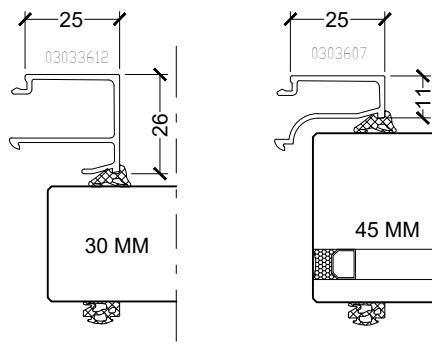
GLASS THK	GLAZING BEAD	INSIDE GASKET	OUTSIDE GASKET
21 MM	030.3615.XX	080.9124.SY	080.9114.SY
30 MM	030.3612.XX	080.9124.SY	080.9114.SY
35 MM	030.3610.XX	080.9125.SY	080.9114.SY
45 MM	030.3607.XX	080.9124.SY	080.9114.SY

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



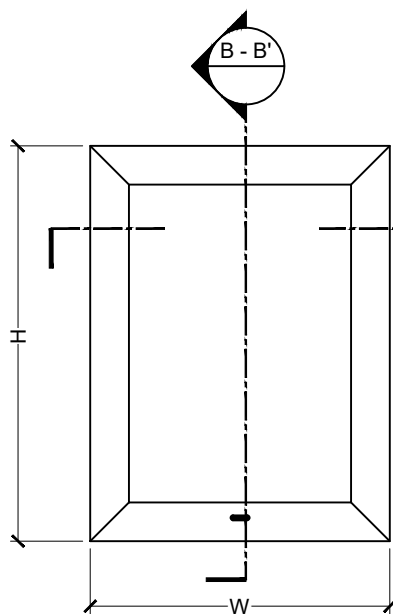
ACMF - SOLAR EDGE
PO BOX 101 760 NORTH SHORE 0745
TEL: 09 214 3236 FAX: 09 444 2142
68 ELLICE ROAD, GLENFIELD

FRR - NOTES

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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

2.13

4.07

4.01

4.03

5.01

15
MM

77

2510/700

77

2510/700

15
MM

6.0X80 NANO GALV

GS-10X32

50
MIN

15

52

16

52

52

15

50
MIN

HEAD DETAIL

SILL DETAIL



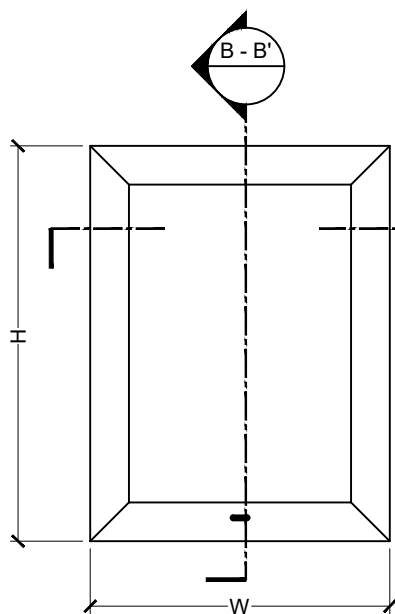
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FRR - FIXED WINDOW TYPICAL SECTION DETAILS

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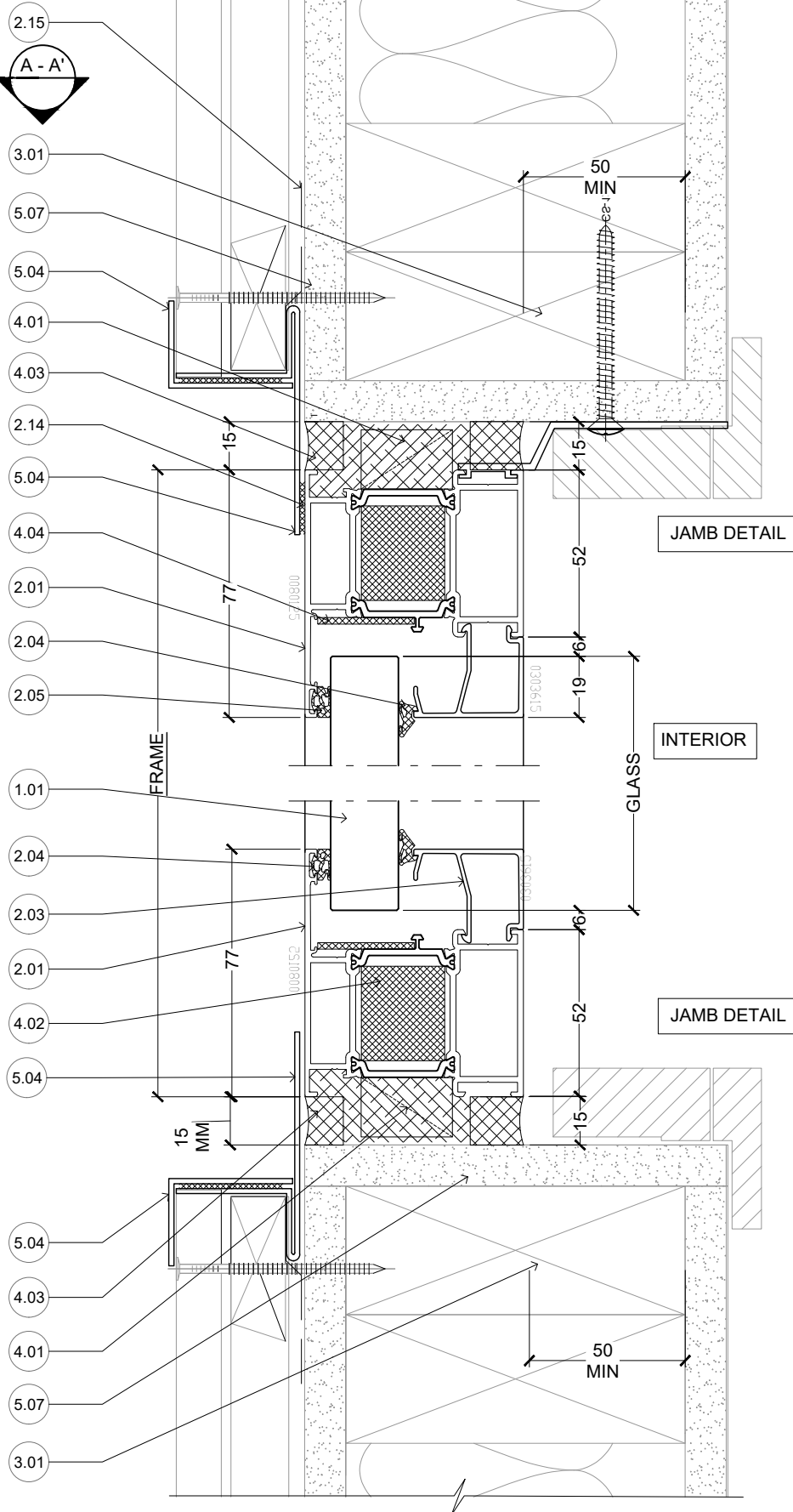


WINDOW ELEVATION

EXTERIOR

INTERIOR

SECTION A - A'



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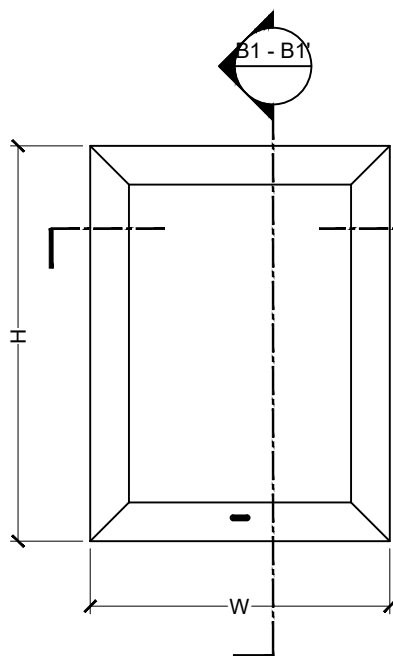
FRR - FIXED WINDOW TYPICAL SECTION DETAILS

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WINDOW ELEVATION

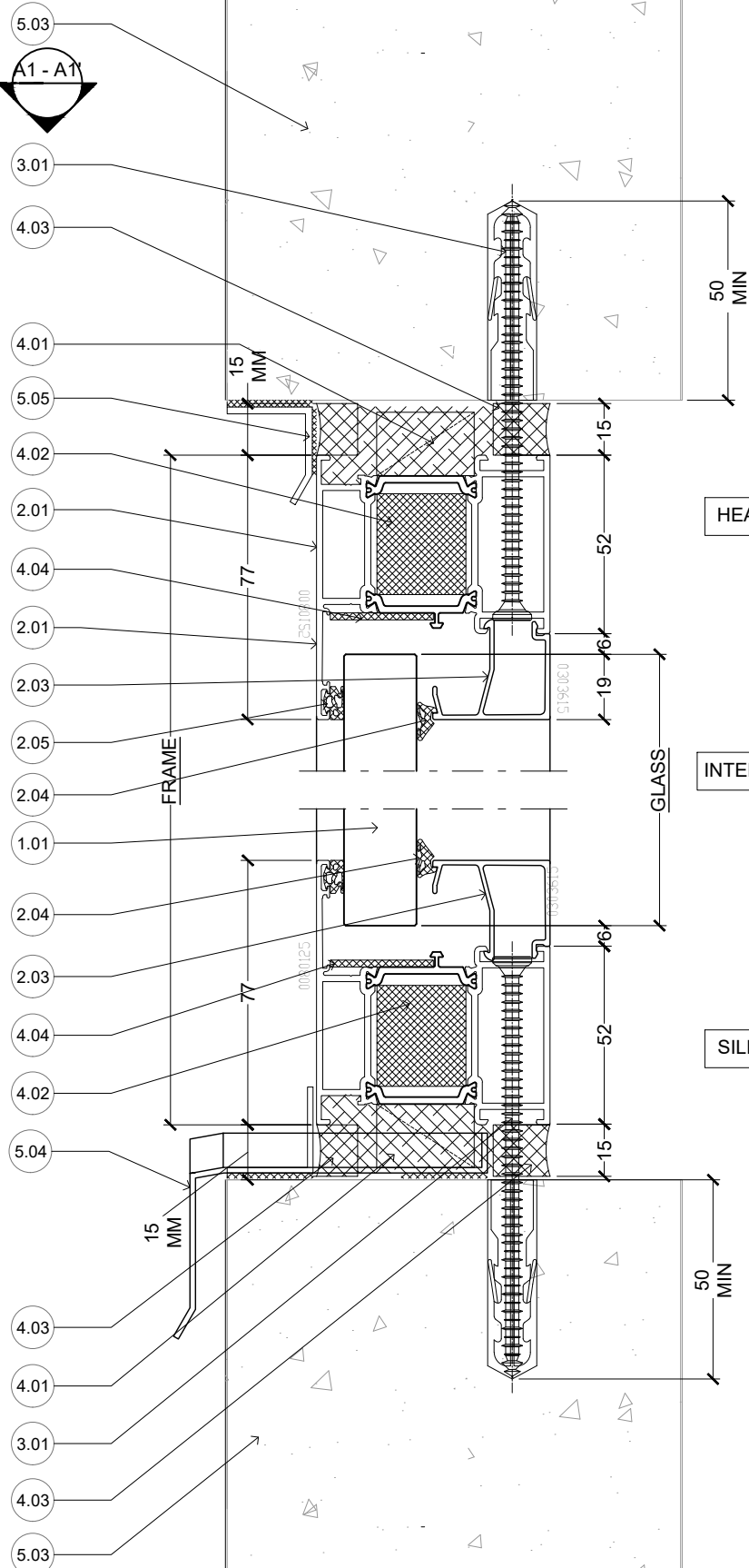
EXTERIOR

HEAD DETAIL

INTERIOR

SILL DETAIL

SECTION B1 - B1'



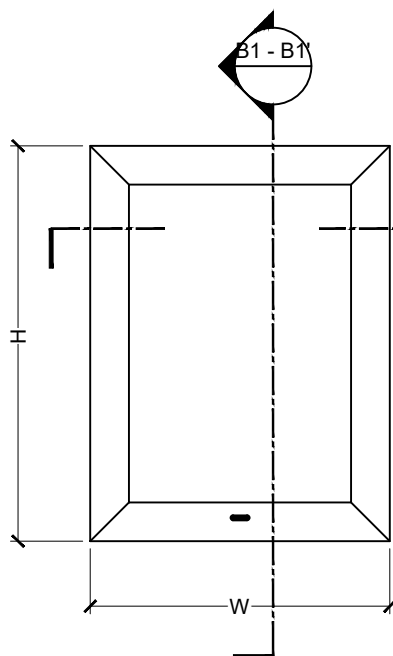
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FRR - FIXED WINDOW TYPICAL SECTION DETAILS

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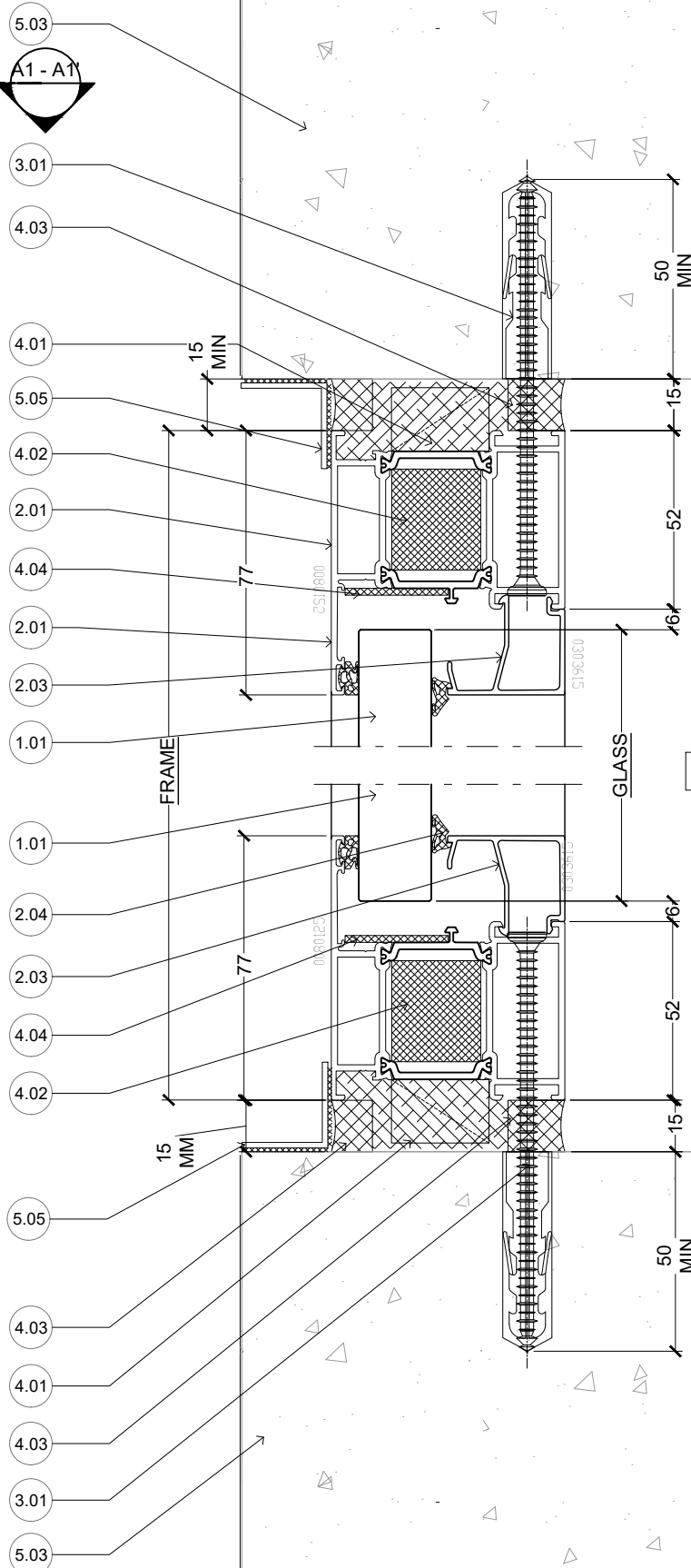


WINDOW ELEVATION

EXTERIOR

INTERIOR

SECTION A1 - A1'



JAMB DETAIL

JAMB DETAIL



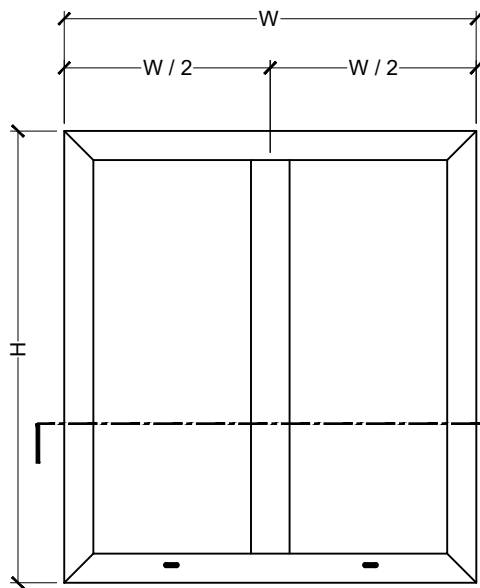
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FRR - FIXED WINDOW TYPICAL SECTION DETAILS

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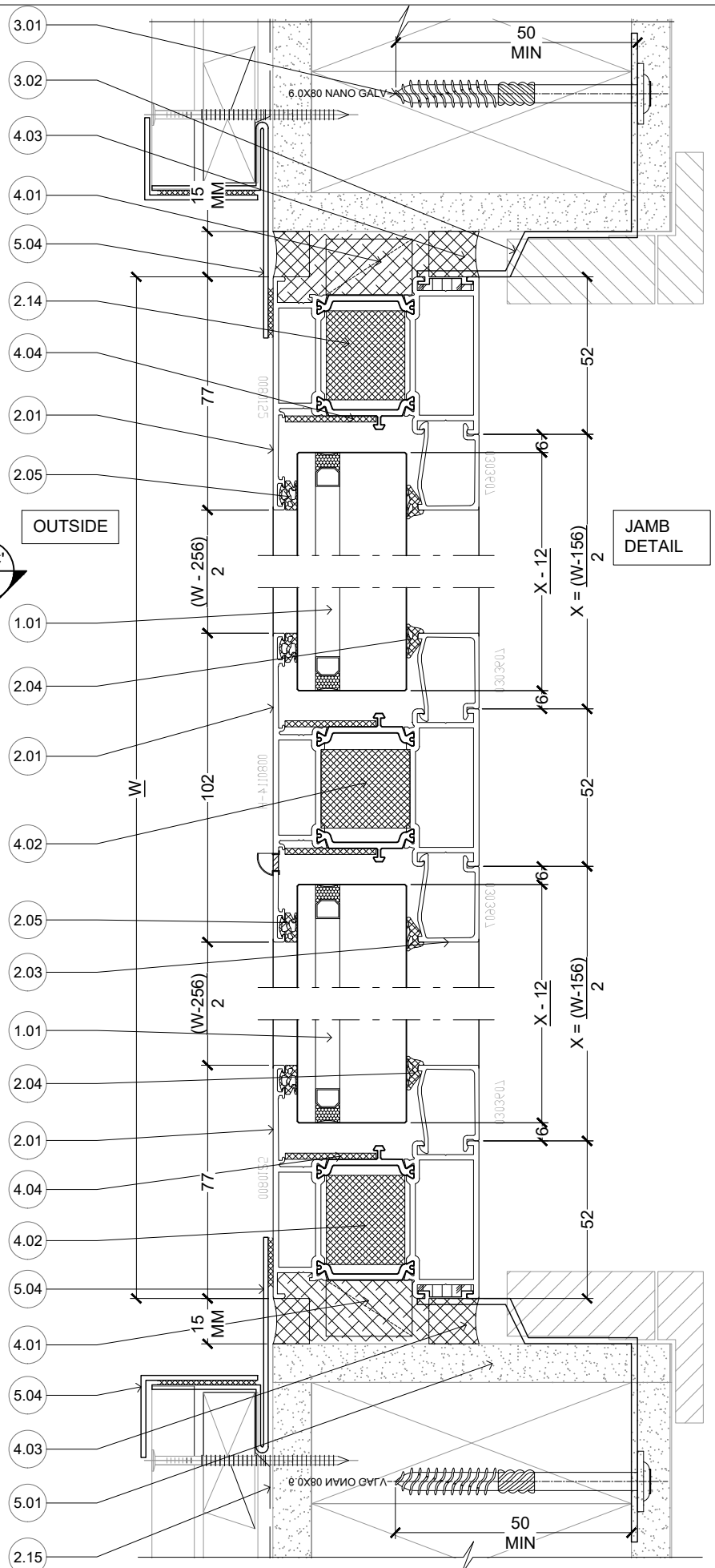
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SCALE : 1 : 2 A4



WINDOW ELEVATION

SECTION C - C' (PLAN)



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FRR - WITH CENTER MULLION TYPICAL SECTION DETAILS

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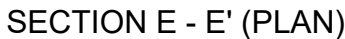


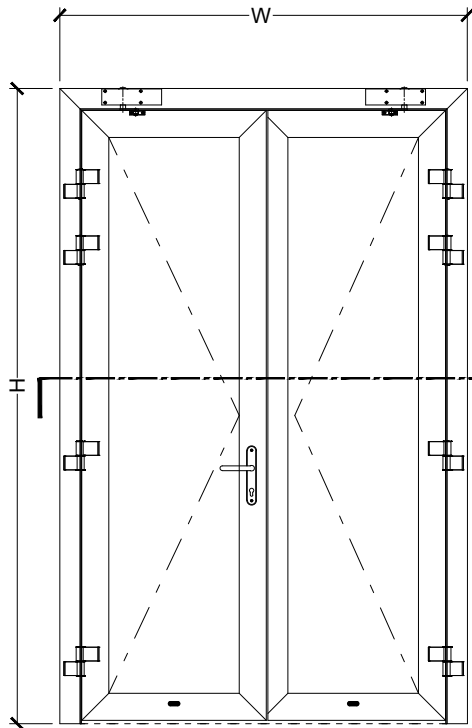


SECTION E - E' (PLAN)



SCALE : 1 : 2 A4

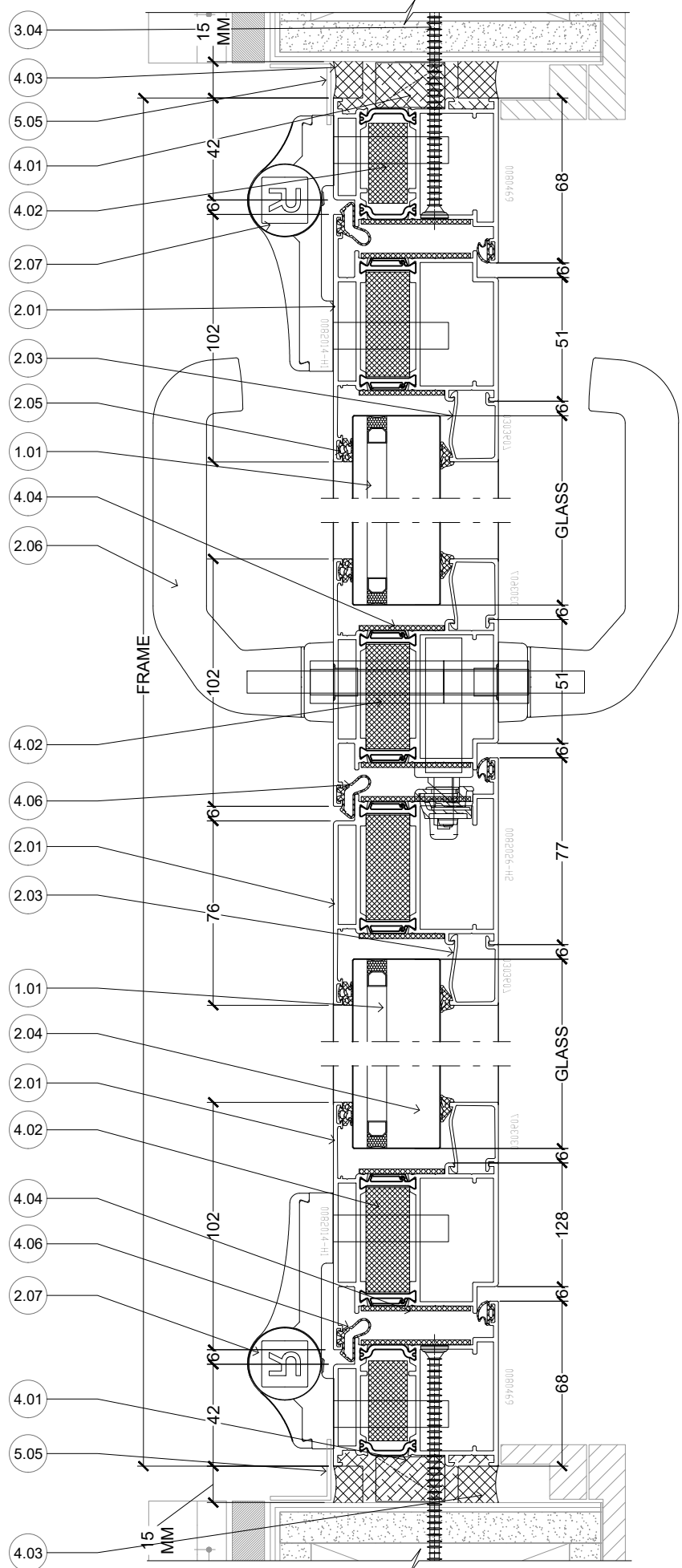




DOOR ELEVATION

OUTSIDE

SECTION E - E' (PLAN)



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FRR - DOUBLE DOOR TYPICAL HORIZONTAL SECTION DETAIL

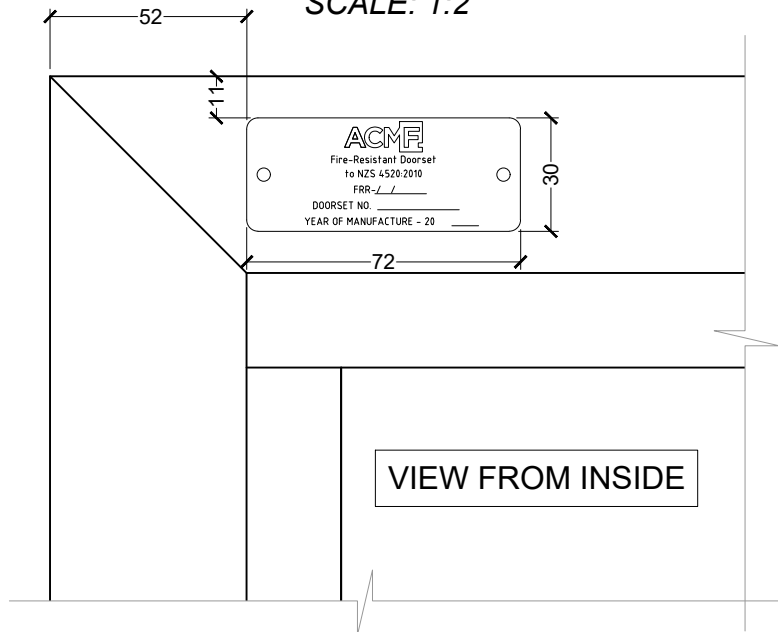
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SCALE : 1 : 2.5 A4

LABEL FIXING INSTALLATION GUIDE

SCALE: 1:2



3.03

ACME

Fire-Resistant Doorset
to NZS 4520:2010

FRR- / **XX XX**

DOORSET NO. **XXX - XX**

YEAR OF MANUFACTURE - 20 **XX**

3.03

ACME

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**



ACME - SOLAR EDGE
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FIRE RESISTANT LABELS

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SCALE : 2:1