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### At a glance

Dimension:

Height - up to 3000mm

Fire ratings:

N/A

**Acoustics:** 

Up to 39dB (Rw),

Structure:

Up to severe duty

Deflection head:

+/-15mm, +/-25mm

Door options:

Timber doors

Single glazed doors

Double glazed Sonik doors

Door frame options:

Aluminum door frame

Timber door frame

Glass type options:

10 & 12mm Toughened (Doors & Screens)

15mm Toughened (Screen)

10.8 & 12.8mm Acoustic (Screens)

# Weight (including nominal head & base)\*:

Toughened glass:

10mm = 25 kg/m2

12mm = 30 kg/m2

15mm = 37.5kg/m2

Acoustic glass:

10.8mm = 25.36 kg/m2

12.8mm = 29.80 kg/m<sup>2</sup>

### × Blinds

- Manifestations
- Graphics
- ✓ SwitchGlass
- ✓ Kross Glaze

### Paint/finishes

- ✓ Polyester powder coat
- × Satin anodised aluminium
- Special anodised finish

\*Dependent on system configuration / specification



# System Outline

Available in either straight lines, faceted or curved form, Polar Single Glazed is designed with the minimum of components, thus facilitating speed of installation without compromising structural stability and rigidity. The patented bubble joint ensures a virtually frameless system with no vertical posts between modules, corners or three-way junctions.

Door sets can be framed, frameless or sliding, single or double glazed, with door frames in either aluminium or timber to provide a wide range of design options within the system.

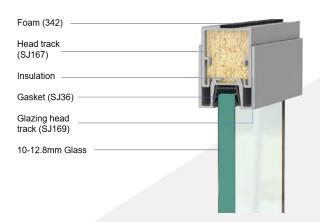


# System Specification

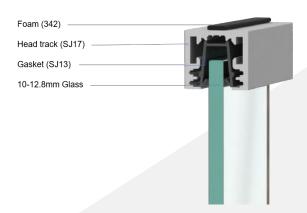
Polar Single Glazed partitioning can be integrated with solid partitioning and with other Komfort systems through the use of optional head components.

Deflection head details are designed to accommodate movement in the structural slab when live loads are applied, making them an increasingly vital component in internal partitioning. Deflection heads are available as a 2-part option with an inbuilt deflection tolerance of either +/- 15mm or +/- 25mm to accommodate most commercial interior projects.

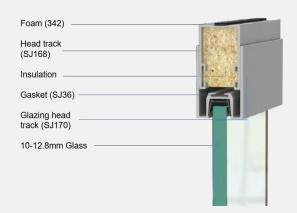
#### 2-Part +/- 15mm deflection head



#### Standard head



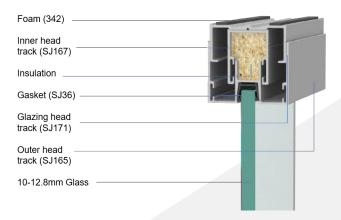
#### 2-Part +/- 25mm deflection head



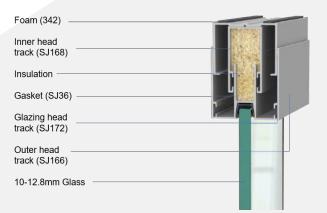
# **System Specification**

Deflection heads are also available as a 3-part option with an inbuilt deflection tolerance of either +/- 15mm or +/- 25mm to accommodate most commercial interior projects.

### 3-Part +/- 15mm deflection head



### 3-Part +/- 25mm deflection head



# System Performance

## **Acoustic Performance**

Test Specimen Description	Test Standard	Test Result	Certificate no.
Polar Single glazed using 10mm toughened glass with bubble joint construction	Sound Reduction (to BS EN ISO 140-3)	33 dB (Rw)	P0_S2
Polar Single glazed using 10.8mm acoustic glass with bubble joint construction	Sound Reduction (to BS EN ISO 140-3)	38 dB (Rw)	P0_S11
Polar Single glazed using 12mm toughened glass with silicone or bubble joint construction	Sound Reduction (to BS EN ISO 140-3)	33 dB (Rw)	P0_S1
Polar Single glazed using 12.8mm acoustic glass with bubble joint construction	Sound Reduction (to BS EN ISO 140-3)	38 dB (Rw)	P0_S25
Polar Single glazed using 15mm toughened glass with silicone joint construction	Sound Reduction (to BS EN ISO 140-3)	35 dB (Rw)	P0_S10

It should be noted that in an on-site acoustic test. A partition or doorset a 3dB to 8dB lesser performance than under laboratory conditions. This can be further affected by ambient noise levels on the receiving side of the test sample and by poorly insulated abutments / voids above and below the partition which will result in a 'flanking' path for audible sound.

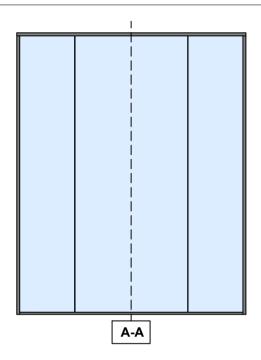


# System Performance

# Structural Performance

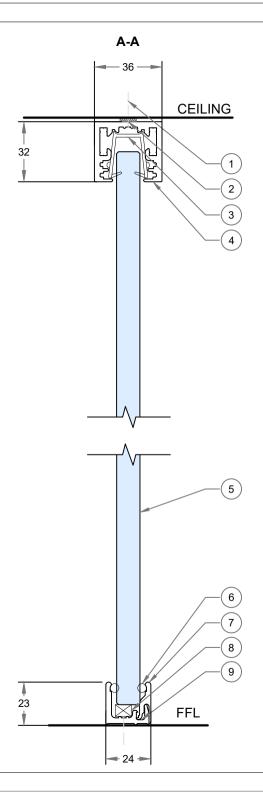
Test Specimen Description	Test Standard	Test Result	Certificate no.
Polar Single glazed using 10mm toughened glass – dry joint	Strength & Robustness (to BS 5234)	Heavy	P0_STR2
Polar Single glazed using 10mm toughened glass – bubble joint	Strength & Robustness (to BS 5234)	Heavy	P0_STR9
Polar Single glazed using 12mm toughened glass – dry joint	Strength & Robustness (to BS 5234)	Severe	P0_STR1
Polar Single glazed using 12mm toughened glass – bubble joint	Strength & Robustness (to BS 5234)	Severe	P0_STR8





FOR ALTERNATIVE HEAD TRACK OPTIONS SEE DRAWINGS 'PSG-VS-03 & 'PSG-VS-04'.

Maximum Glazed Module Possible:			
Unit Height Width			
Module Size	3000 mm*	1200 mm	
Glass Size	2973 mm	1196 mm	





## **POLAR SG**

COMPONENT KEY:

1	SUITABLE STRUCTURAL FIXING
2	342 FOAM
3	SJ13
4	SJ17
5	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS
6	SJ11 FOR 12-12.8mm GLASS SJ12 FOR 10-10.8mm GLASS
7	SJ3
8	PSUN15 GLAZING PACKER

#### NOTES:

9 SJ2

\*3300mm MAXIMUM HEIGHT CAN BE ACHIEVED USING 15mm TOUGHENED SAFETY GLASS WITH SILICONE JOINT (SJ2 COMPONENT WILL NEED TO BE REPLACED WITH SJ2L FOR THIS, AND SJ13 COMPONENT IS NOT REQUIRED AT ALL IN THIS CONFIGURATION)

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed



Vertical Screen



0 min Integrity 0 min Insulation

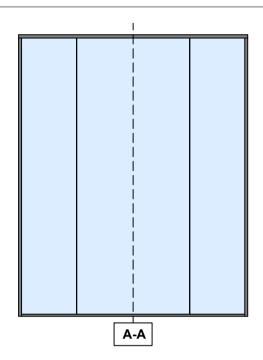


0 mm Deflection

DRAWING NO:	
PSG-VS-01	

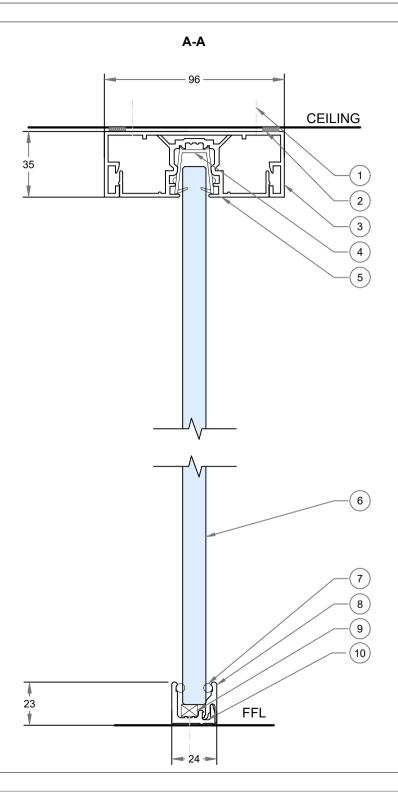
DATE: 16.05.18

SCALE: 1:2



FOR ALTERNATIVE HEAD TRACK OPTIONS SEE DRAWINGS 'PSG-VS-03 & 'PSG-VS-04'.

Maximum Glazed Module Possible:			
Unit	Height	Width	
Module Size	3000 mm*	1200 mm	
Glass Size	2970 mm	1196 mm	





## **POLAR SG**

COMPONENT KEY:

1	SUITABLE STRUCTURAL FIXING
2	342 FOAM
3	821
4	SJ13
5	SJ8
6	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS
7	SJ11 FOR 12-12.8mm GLASS SJ12 FOR 10-10.8mm GLASS
8	SJ3
9	PSUN15 GLAZING PACKER
10	SJ2

#### NOTES:

\*3300mm MAXIMUM HEIGHT CAN BE ACHIEVED USING 15mm TOUGHENED SAFETY GLASS WITH SILICONE JOINT (SJ2 COMPONENT WILL NEED TO BE REPLACED WITH SJ2L FOR THIS, AND SJ13 COMPONENT IS NOT REQUIRED AT ALL IN THIS CONFIGURATION)

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed



Vertical Screen



0 min Integrity 0 min Insulation



0 mm Deflection

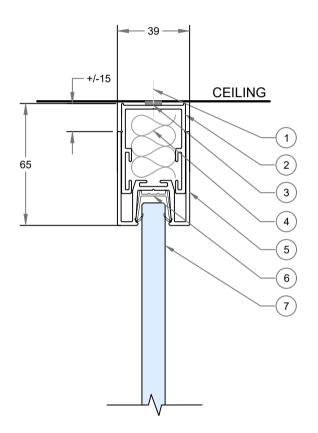
DRAWING NO:
PSG-VS-02

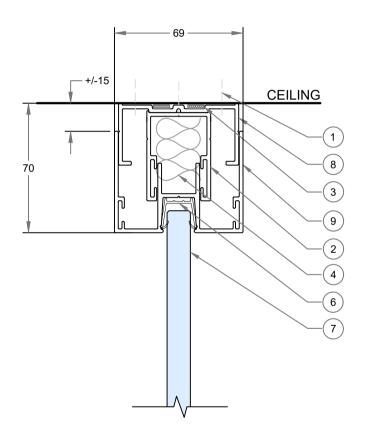
DATE: 16.05.18

SCALE: 1:2

### 2-PART +/- 15mm DEFLECTION HEAD

### 3-PART +/- 15mm DEFLECTION HEAD







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## **POLAR SG**

COMPONENT KEY:	
1	SUITABLE STRUCTURAL FIXING
2	SJ167
3	342 FOAM
4	881S50
5	SJ169
6	SJ36L
7	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS
8	SJ165

### NOTES:

THE DEFLECTION HEAD OPTIONS SHOWN CAN ALSO BE USED IN CONJUNCTION WITH SJ35 ALUMINIUM DOORFRAME WITH FULL HEIGHT GLAZED, TIMBER & SONIK DOORS. THEY CAN ALSO BE USED WITH SJ35 WITH GLAZED DOORS WITH A GLAZED OVERPANEL AND TIMBER DOOR WITH A TIMBER OVERPANEL.

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:

SJ171



Single Glazed



Head Track Options



0 min Integrity 0 min Insulation



+/-15mm Deflection

DRAWING NO:	DATE:
PSG-VS-03	16.05.18
SCALE:	ISSUE NO:



## POLAR SG

COMPONENT KEY:		
1	SUITABLE STRUCTURAL FIXING	
2	342 FOAM	
3	884	
4	SJ21	
5	XK142	
6	SJ39	
7	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS	
8	SJ168	
9	881S50	
10	SJ170	
11	SJ36L	
12	SJ166	

## 13 NOTES

THE DEFLECTION HEAD OPTIONS SHOWN CAN ALSO BE USED IN CONJUNCTION WITH SJ35 ALUMINIUM DOORFRAME WITH FULL HEIGHT GLAZED, TIMBER & SONIK DOORS. THEY CAN ALSO BE USED WITH SJ35 WITH GLAZED DOORS WITH A GLAZED OVERPANEL AND TIMBER DOOR WITH A TIMBER OVERPANEL.

### JUNCTION CATEGORY:

SJ172



Single Glazed



Head Track Options



0 min Integrity 0 min Insulation

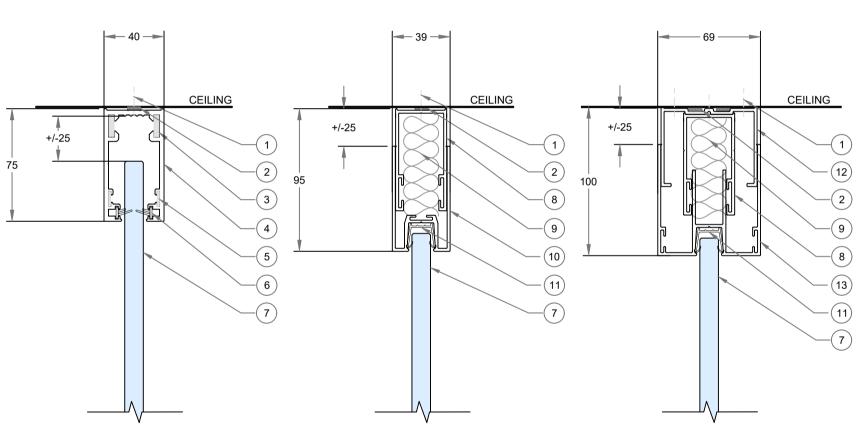


+/-25mm Deflection

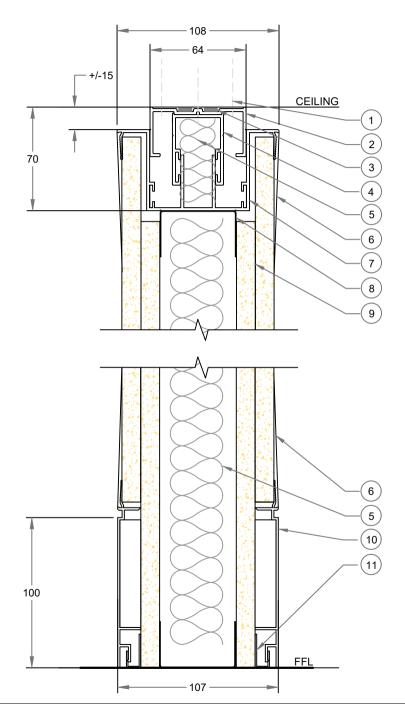
DRAWING NO: PSG-VS-04	DATE: 17.05.18
SCALE: 1:2.5	ISSUE NO:

## 1-PART +/- 25mm DEFLECTION HEAD 2-PART +/- 25mm DEFLECTION HEAD

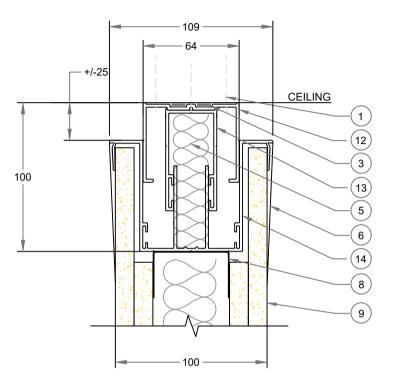
## 3-PART +/- 25mm DEFLECTION HEAD



## 3-PART +/- 15mm DEFLECTION HEAD



## 3-PART +/- 25mm DEFLECTION HEAD





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# **POLAR SG**

COMPONENT KEY:		
1	SUITABLE STRUCTURAL FIXING	
2	SJ165	
3	342 FOAM	
4	SJ167	
5	881S50	
6	PLASTER SKIM	
7	PSQ60	
8	835	
9	12.5mm PLASTERBOARD	
10	PSQ3	
11	PSQ36	
12	SJ166	
13	SJ168	
14	PSQ61	

NOTES:

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Solid Partition



Vertical Solid with Head Track Options.



0 min Integrity 0 min Insulation

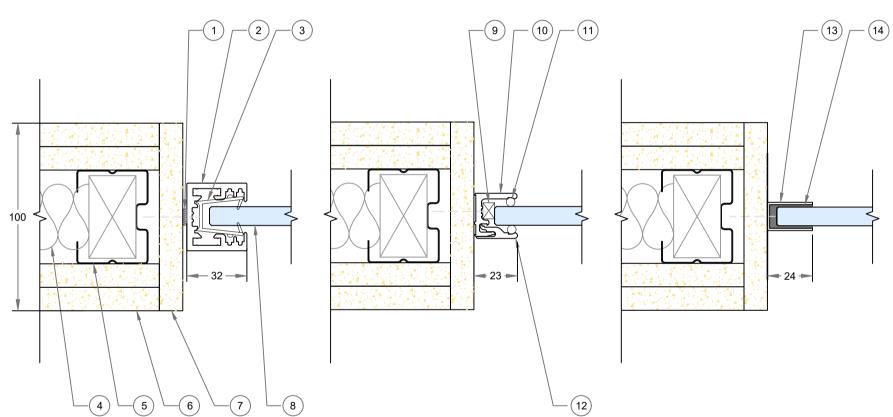


+/-15mm & +/-25mm Deflection

DRAWING NO:	DATE:
PSG-VS-05	17.05.18

SCALE: 1:2.5





STANDARD WALL ABUTMENT

2-PART WALL ABUTMENT

WALL ABUTMENT TO SUIT 1-PART DEFLECTION HEAD



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# **POLAR SG**

COMPONENT KEY:		
1	342 FOAM	
2	SJ17	
3	SJ13	
4	881S50	
5	853	
6	12.5mm PLASTERBOARD	
7	WALL	
8	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS	
9	GLAZING PACKER	
10	SJ2	
11	SJ11 FOR 12-12.8mm GLASS SJ12 FOR 10-10.8mm GLASS	
12	SJ3	
13	SJ44	
14	SILICONE SEAL	

NOTES:

SAME COMPONENTS USED IN EACH PLASTERBOARD SECTION SHOWN

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Wall Abutments



Horizontal Screen



0 min Integrity 0 min Insulation

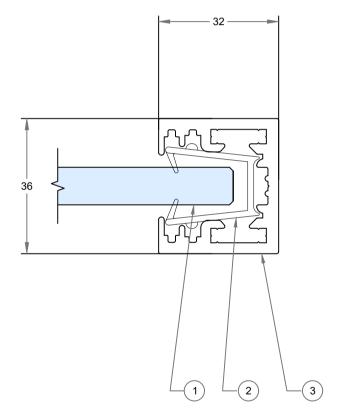


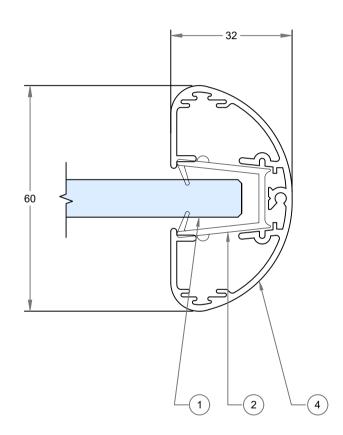
0 mm Deflection

DRAWING NO:	DATE:
PSG-HS-01	18.05.18
	100115 110

SCALE: ISSUE NO: 1:2 1

## **FAIR END DETAILS**







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# **POLAR SG**

COMPONENT KEY:

1	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS
2	SJ13
3	SJ17
4	SJ10

NOTES:

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Fair End Details



Horizontal Screen



0 min Integrity 0 min Insulation

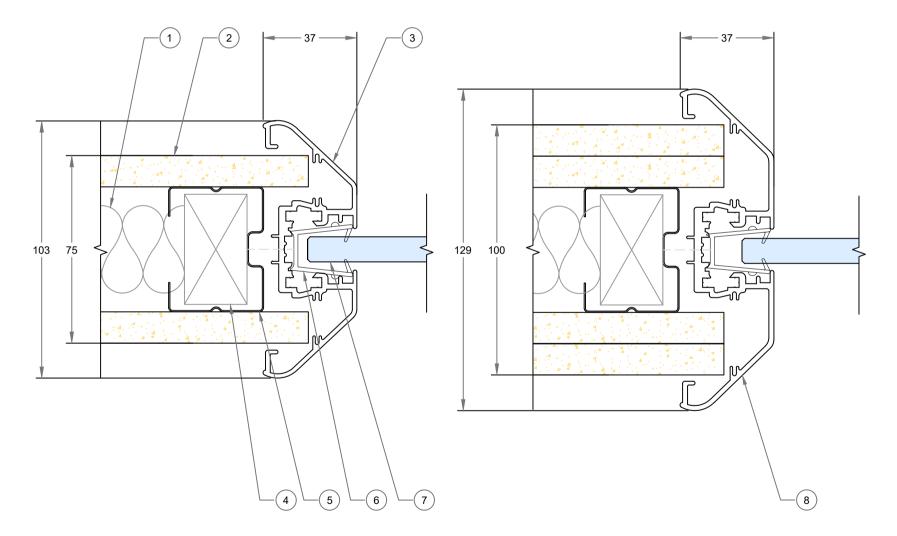


0 mm Deflectio

PSG-HS-02	18.05.1
DRAWING NO:	DATE:

SCALE: 1:1

# ANGLED WRAP-AROUND SOLID/GLASS REDUCERS: (75mm & 100mm)





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# **POLAR SG**

COMPONENT KEY:		
1	881S50	
2	12.5mm PLASTERBOARD	
3	SJ4	
4	331	
5	853	
6	SJ13	
7	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS	
8	SJ45	

NOTES:

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Solid/Glass Reducer



Horizontal Screen



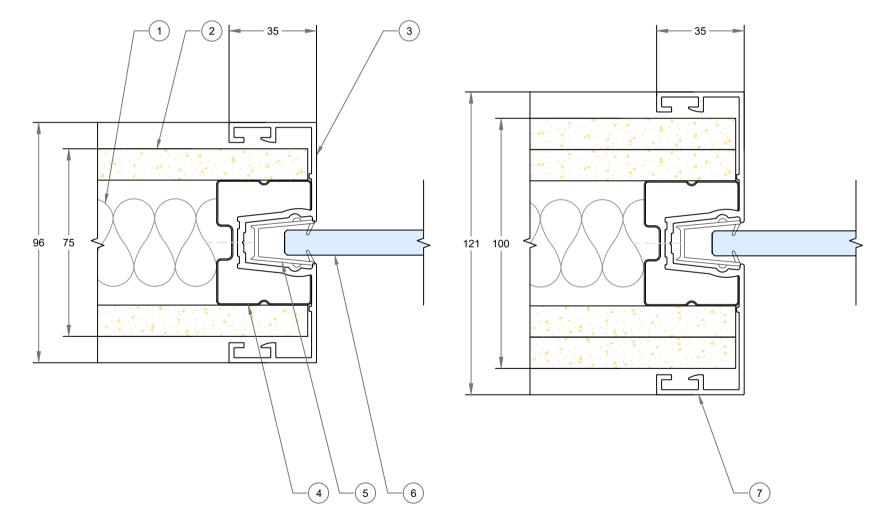
0 min Integrity 0 min Insulation



0 mm Deflectio

DRAWING NO:	DATE:	
PSG-HS-03	18.05.18	
SCALE:	ISSUE NO:	







# **POLAR SG**

COMPONENT KEY:		
1	881S50	
2	12.5mm PLASTERBOARD	
3	SJ75	
4	853	
5	SJ13	
6	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS	
7	SJ76	

NOTES:

ALL DIMENSIONS ARE NOMINAL & IN  $\ensuremath{\mathsf{mm}}$ 

JUNCTION CATEGORY:



Solid/Glass Reducer



Horizontal Screen



0 min Integrity 0 min Insulation

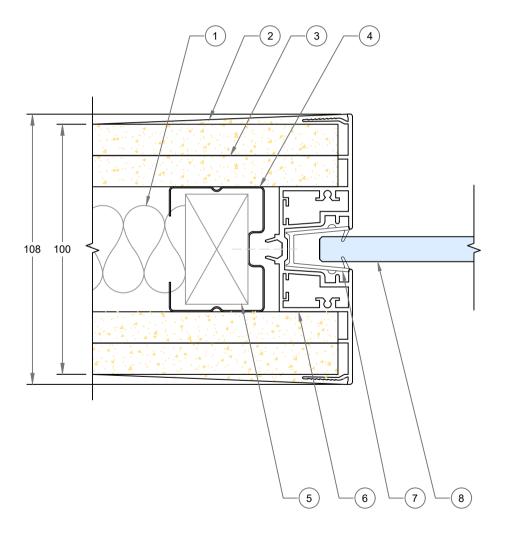


0 mm
Deflection

DRAWING NO:	DATE:
PSG-HS-04	22.05.18
CCALE.	ICCLIE NO

SCALE: ISSUE NO: 1:1.5 1

# TAPE AND JOINT SOLID/GLASS REDUCER: (100mm)





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# **POLAR SG**

COMPONENT KEY:		
1	881S50	
2	PLASTER SKIM	
3	12.5mm PLASTERBOARD	
4	853	
5	331	
6	PSQ5	
7	SJ13	
8	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS	

NOTES:

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Solid/Glass Reducer



Horizontal Screen



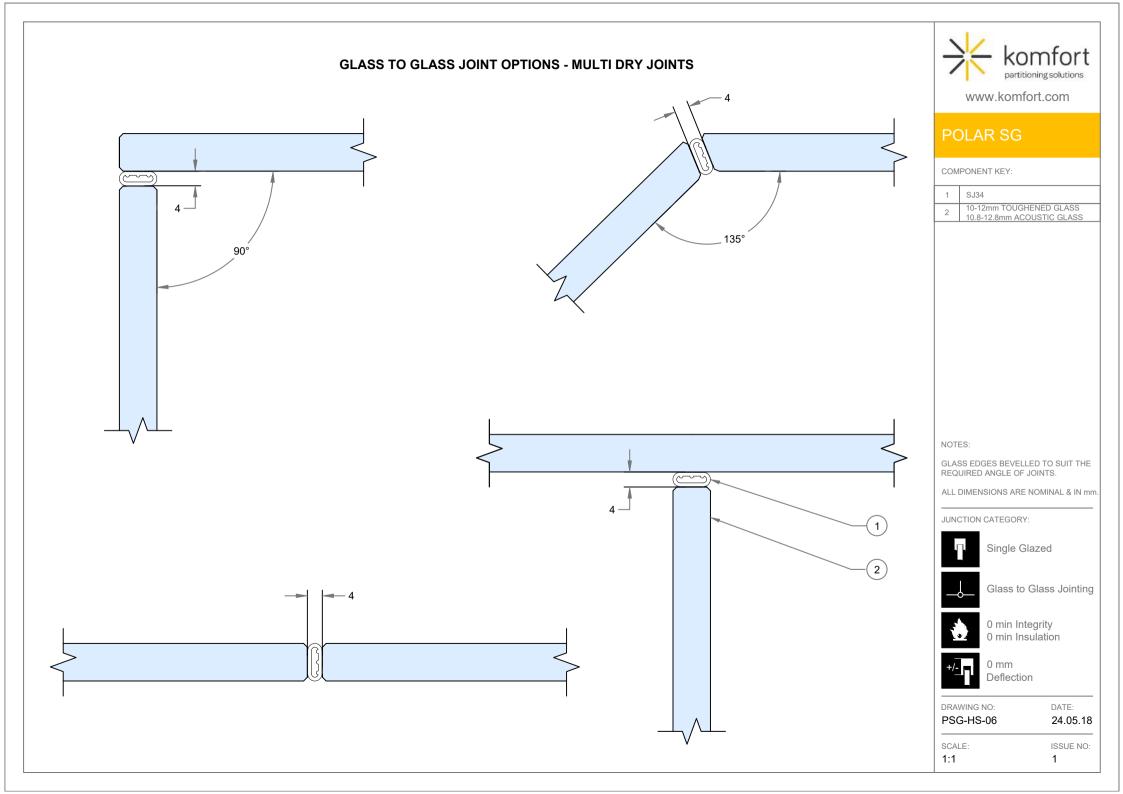
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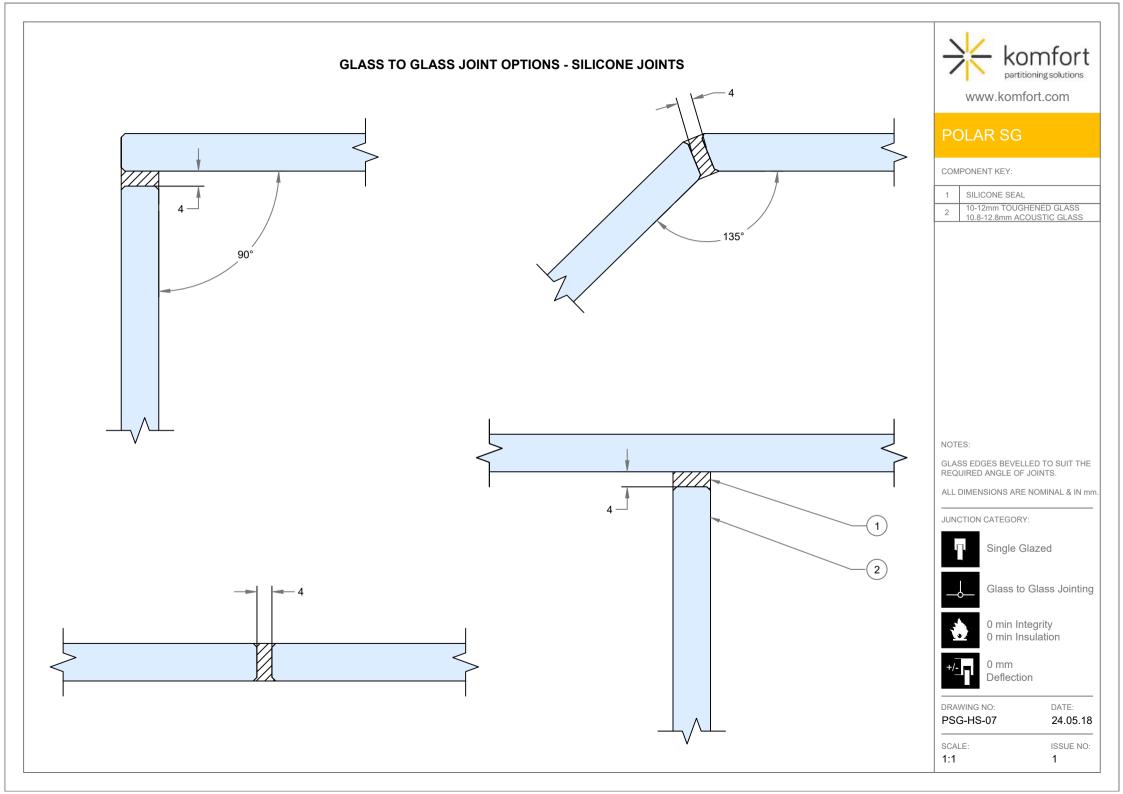


0 mm Deflection

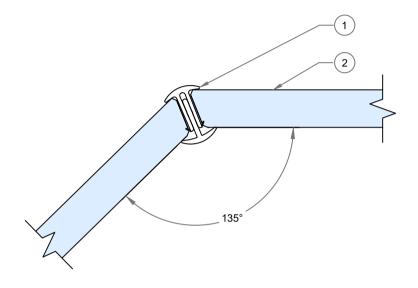
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PSG-HS-05	22.05.18
SCALE:	ISSUE NO:

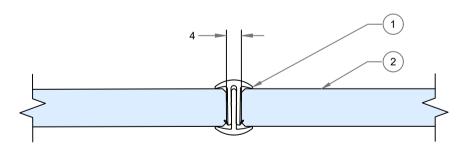
1:1.5 1





## **GLASS TO GLASS JOINT OPTIONS - NARROW DRY JOINTS**







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# **POLAR SG**

COMPONENT KEY:

SJ31/SJ32

2 10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS

NOTES:

GLASS EDGES BEVELLED TO SUIT THE REQUIRED ANGLE OF JOINTS.

ALL DIMENSIONS ARE NOMINAL & IN mm.

JUNCTION CATEGORY:



Single Glazed



Glass to Glass Jointing



0 min Integrity 0 min Insulation

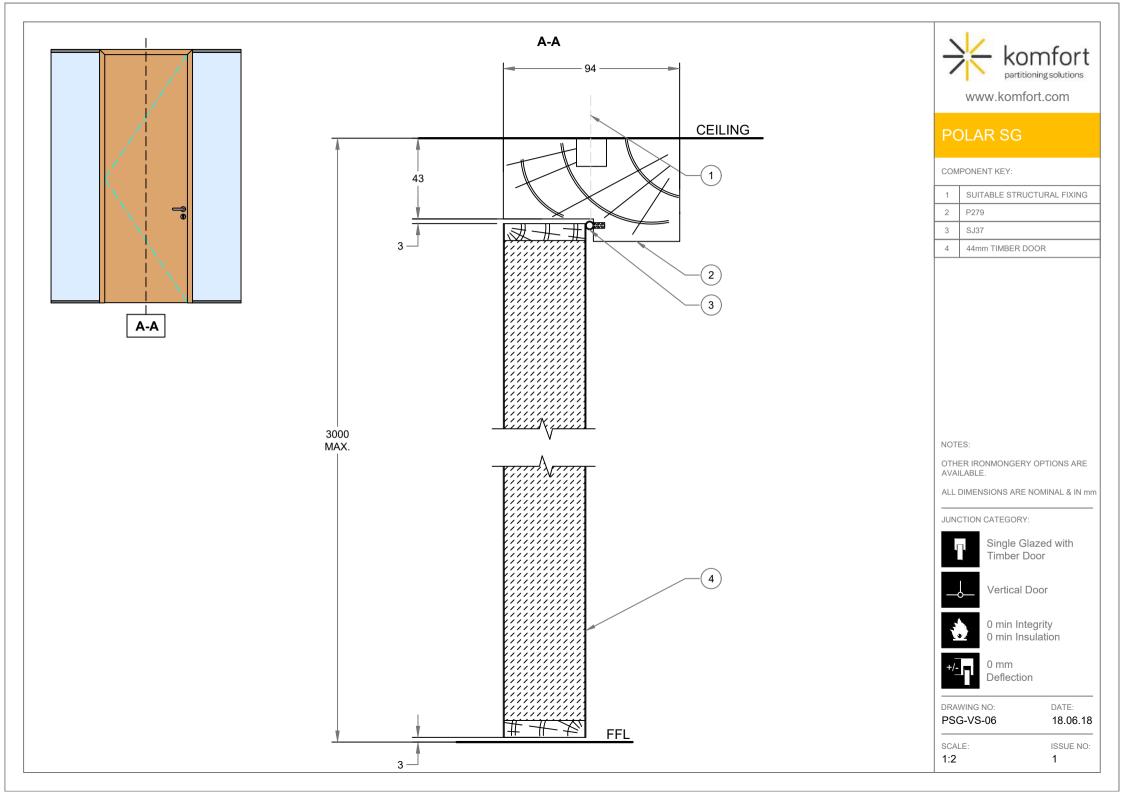


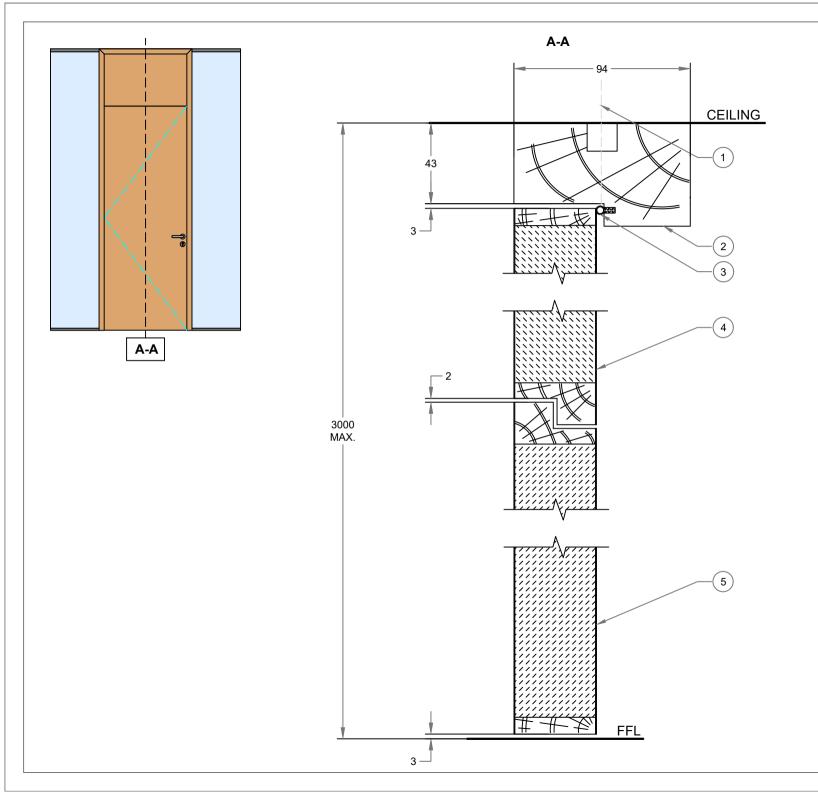
0 mm Deflection

DRAWING NO: PSG-HS-08 DATE: 18.02.19

SCALE: 1:1 ISSUE NO:

2







# **POLAR SG**

COMPONENT KEY:

1 SUITABLE STRUCTURAL FIXING

2 P2/

3 SJ37

4 44mm TIMBER OVERPANEL

5 44mm TIMBER DOOR

NOTES:

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed with Timber Door & O/Panel



Vertical Door



0 min Integrity 0 min Insulation



0 mm Deflection

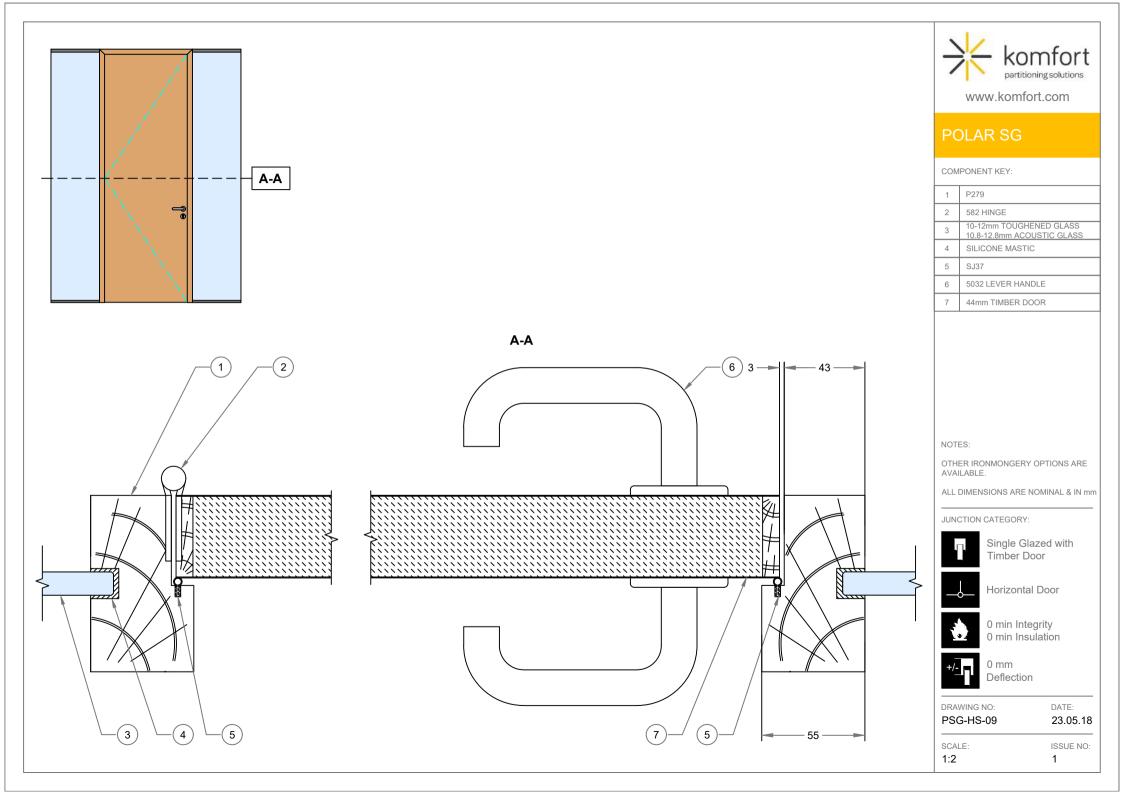
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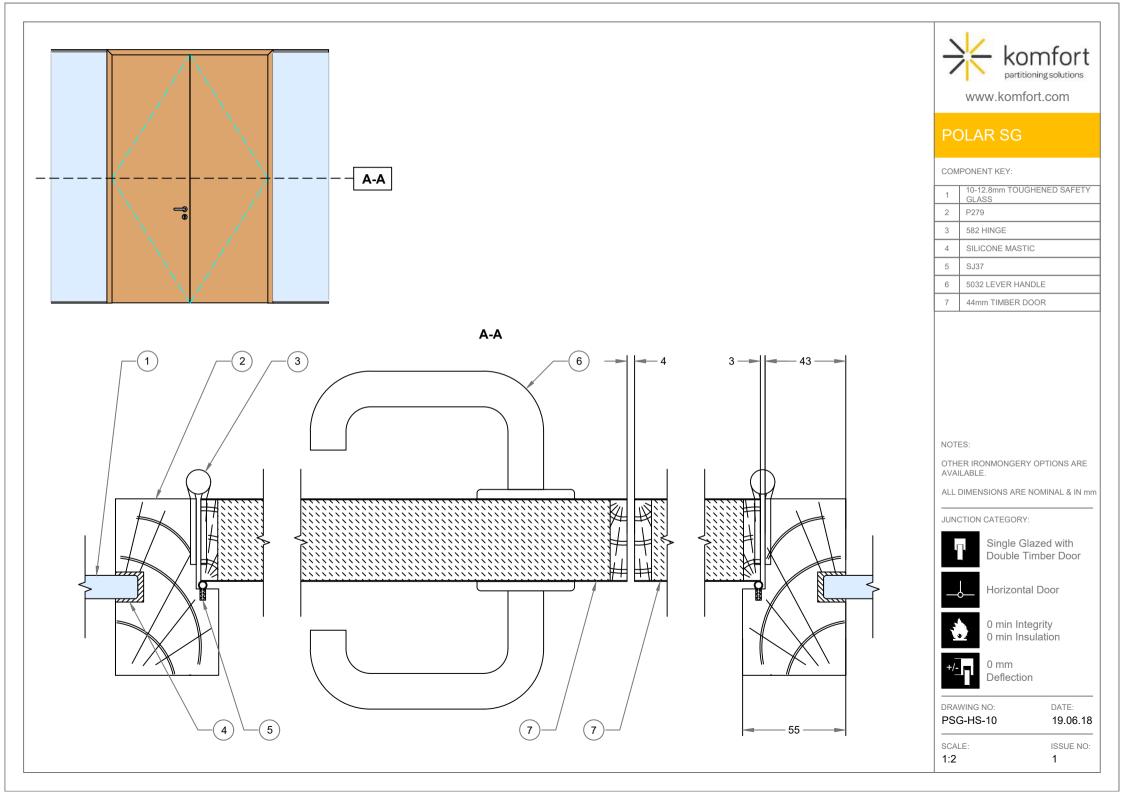
SCALE: 1:2 ISSUE NO:

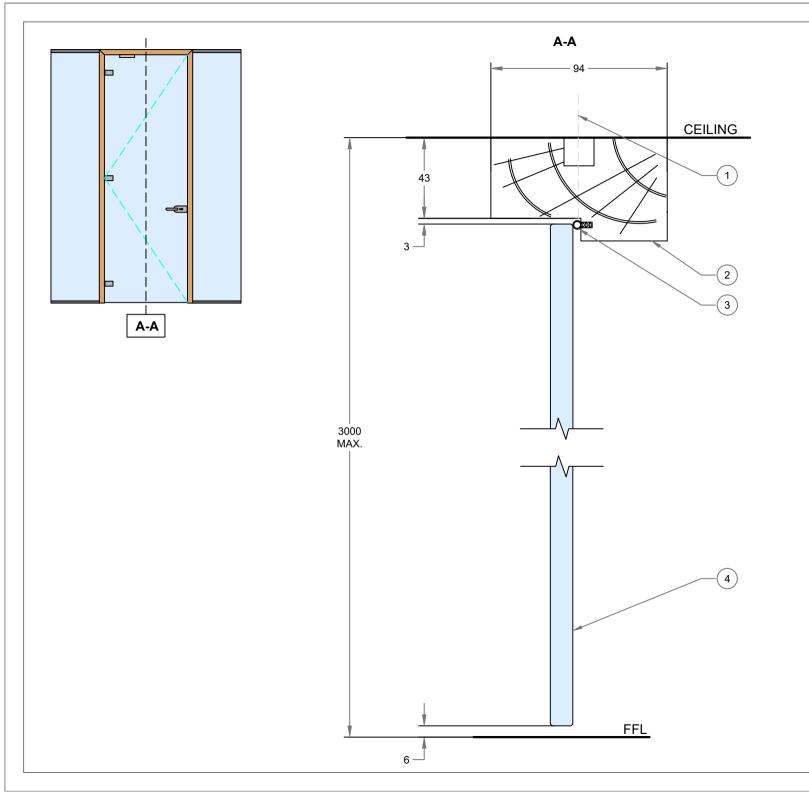
19.06.18

DATE:

1









# **POLAR SG**

COMPONENT KEY:

SUITABLE STRUCTURAL FIXING

2 P279

SJ37

4 10-12mm TOUGHENED GLASS DOOR

NOTES:

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed with Glazed Door



Vertical Door



0 min Integrity 0 min Insulation



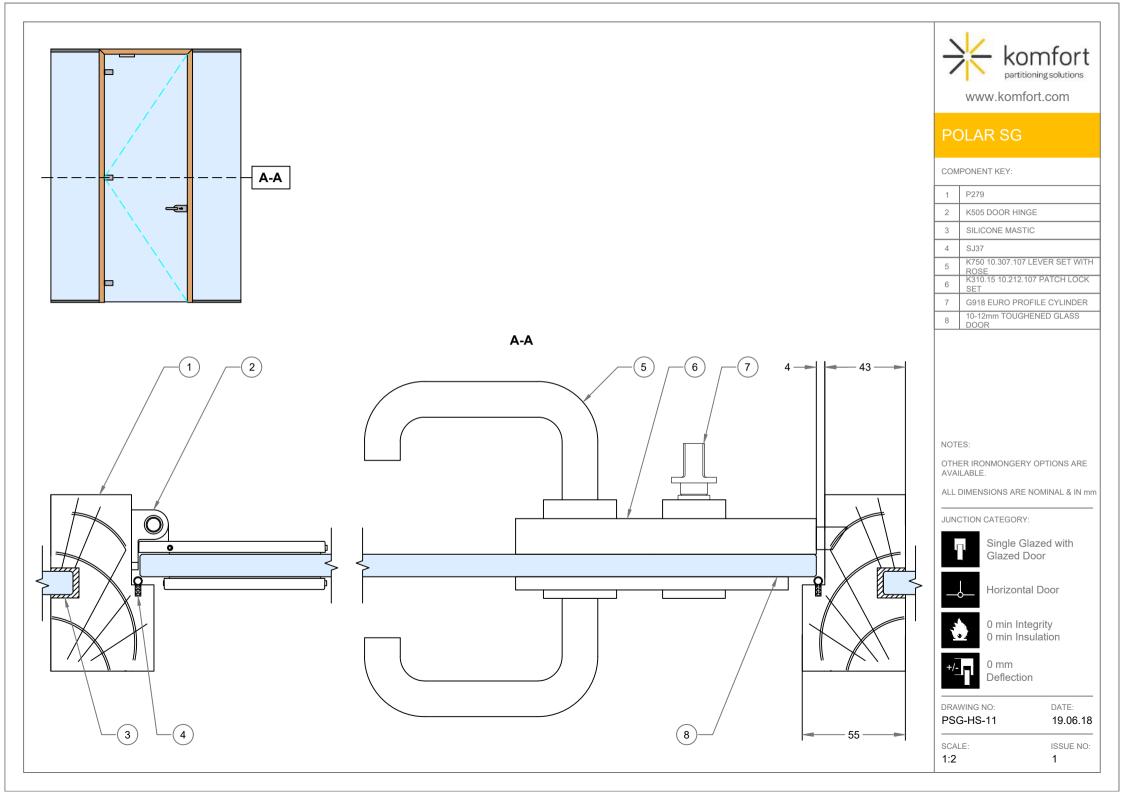
0 mm Deflection

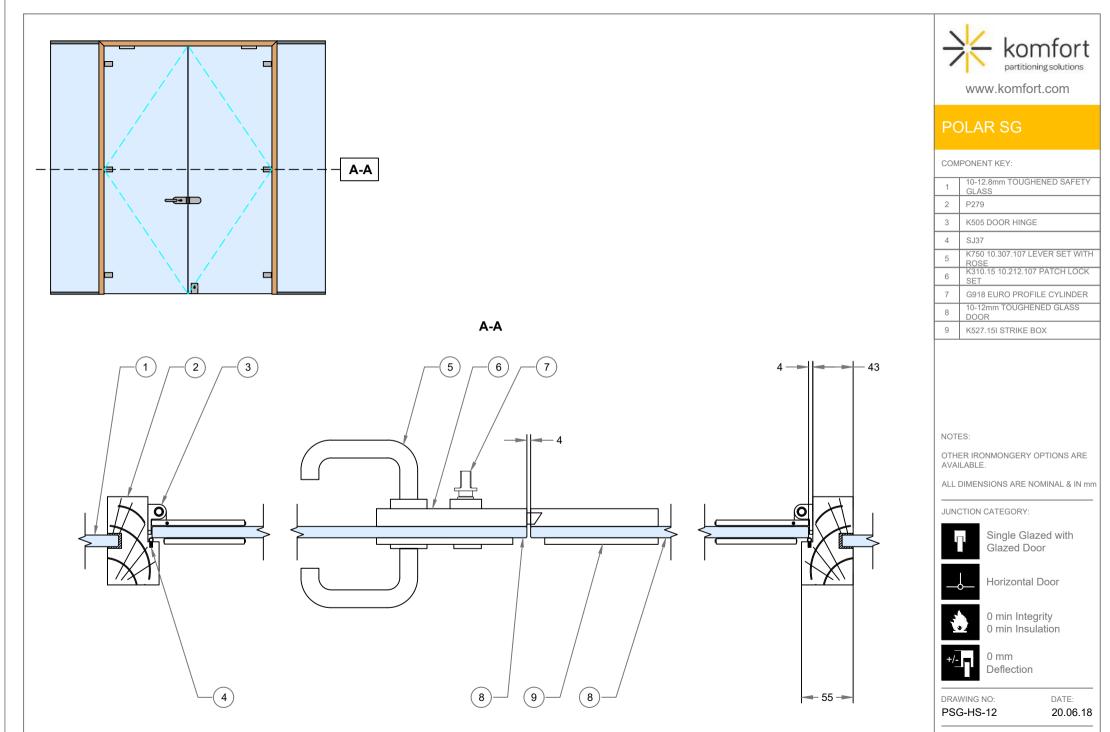
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SCALE: 1:2 ISSUE NO:

19.06.18

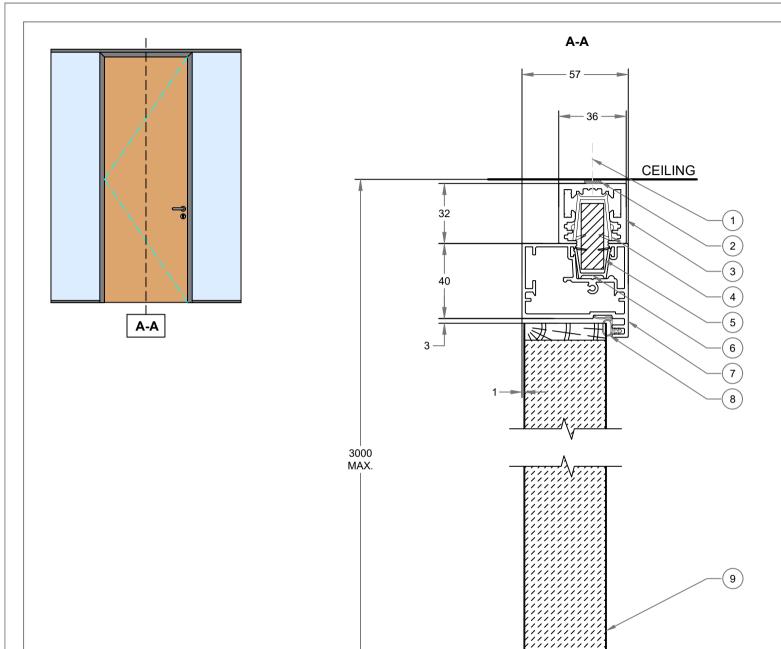
DATE:





SCALE: 1:4 ISSUE NO:

1



3 —

FFL



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# **POLAR SG**

COMPONENT KEY:		
1	SUITABLE STRUCTURAL FIXING	
2	342 FOAM	
3	SJ17*	
4	SJ13	
5	SJ69	
6	SJ36	
7	SJ35	
	D0004	

NOTES:

\*821 WITH SJ8 CAN BE USED AS AN ALTERNATIVE TO SJ17 (SEE PSG-VS-02).

44mm TIMBER DOOR

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed with Timber Door



Vertical Door



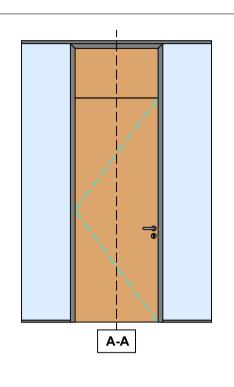
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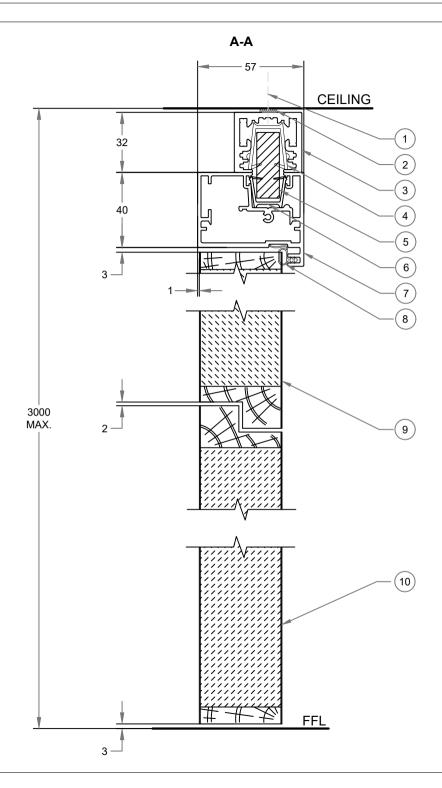


0 mm Deflection

DRAWING NO:	DATE:
PSG-VS-09	18.06.18

SCALE: 1:2







# **POLAR SG**

COMPONENT KEY:

1	SUITABLE STRUCTURAL FIXING
2	342 FOAM
3	SJ17*
4	SJ13
5	SJ69
6	SJ36
7	SJ35
8	PSQ21
9	44mm TIMBER OVERPANEL
10	44mm TIMBER DOOR

### NOTES:

\*821 WITH SJ8 CAN BE USED AS AN ALTERNATIVE TO SJ17 (SEE PSG-VS-02).

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

### JUNCTION CATEGORY:



Single Glazed with Timber Door & Overpanel



Vertical Door



0 min Integrity 0 min Insulation



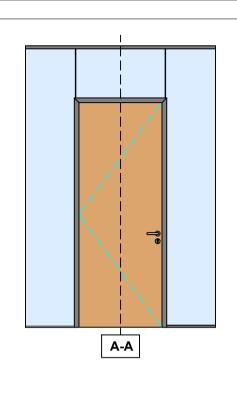
0 mm Deflection

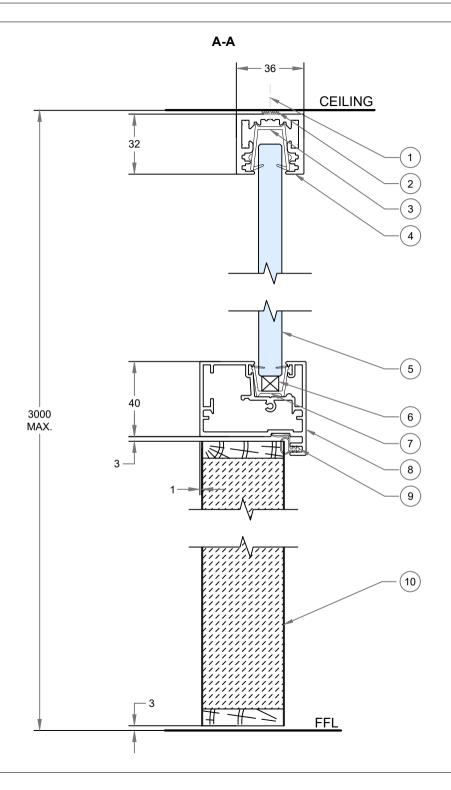
DRAWING NO:

PSG-VS-10

DATE: 21.06.18

SCALE: 1:2







# **POLAR SG**

COM	PONENT KEY:
1	SUITABLE STRUCTURAL FIXING
2	342 FOAM
3	SJ13
4	SJ17*
5	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS
6	PSUN15 GLAZING PACKER
7	SJ36
8	SJ35
9	PSQ21
10	44mm TIMBER DOOR

NOTES:

\*821 WITH SJ8 CAN BE USED AS AN ALTERNATIVE TO SJ17 (SEE PSG-VS-02).

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed with Timber Door & Overpanel



Vertical Door



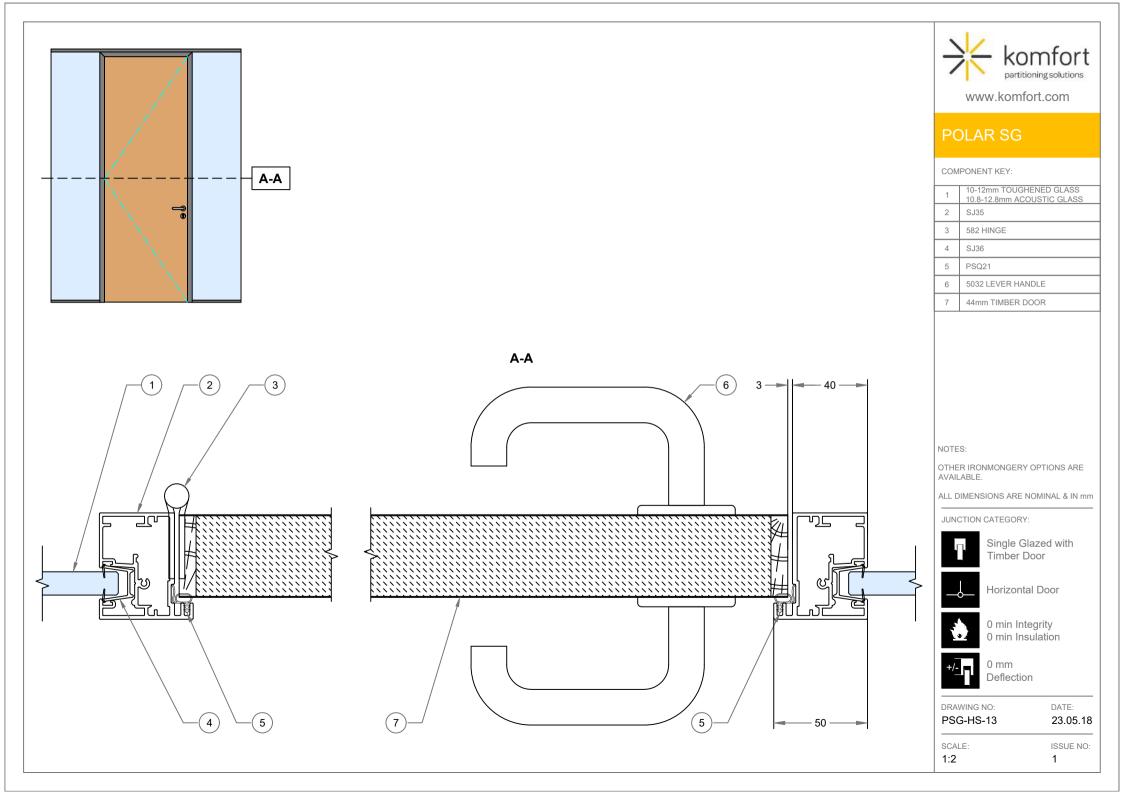
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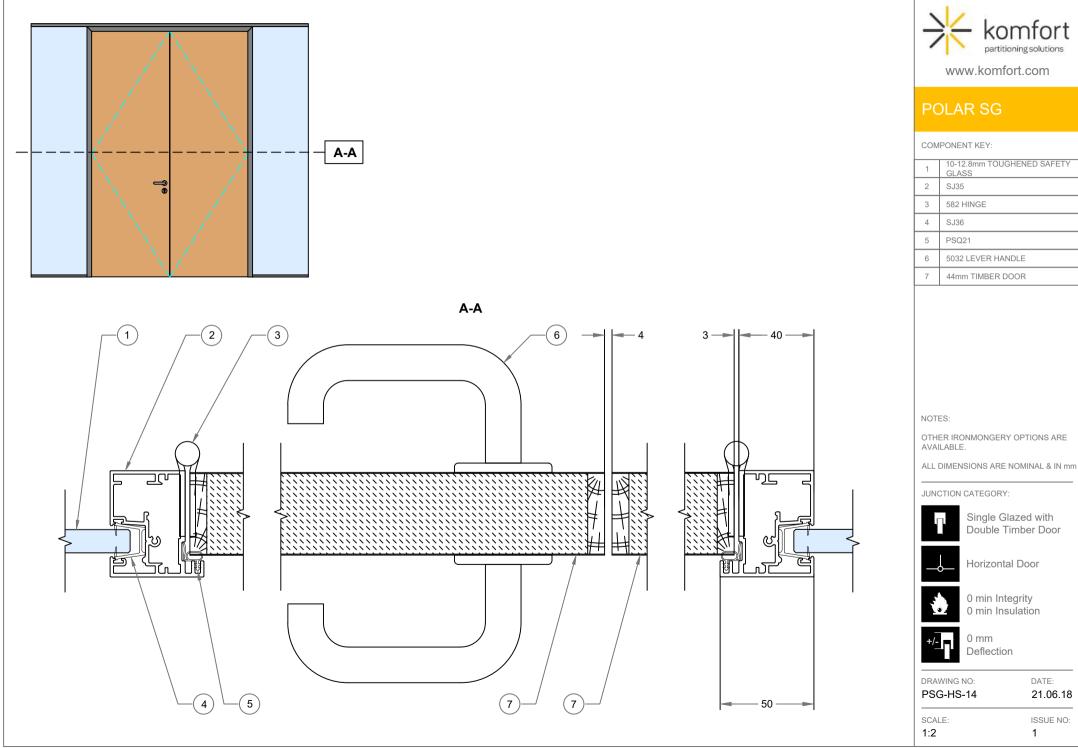


0 mm Deflection

DRAWING NO: PSG-VS-11 DATE: **21.06.18** 

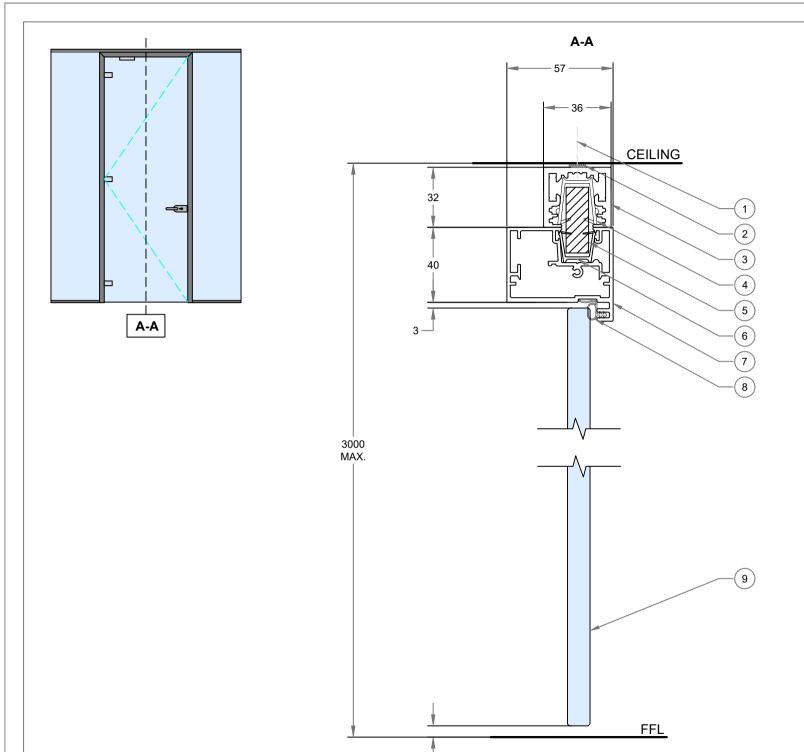
SCALE: 1:2







1	10-12.8mm TOUGHENED SAFETY GLASS
2	SJ35
3	582 HINGE
4	SJ36
5	PSQ21
6	5032 LEVER HANDLE
7	44mm TIMBER DOOR





# **POLAR SG**

COMPONENT KEY:

1	SUITABLE STRUCTURAL FIXING
2	342 FOAM
3	SJ17*
4	SJ13
5	SJ69
6	SJ36
7	SJ35
8	PSQ21
9	10-12mm TOUGHENED GLASS DOOR

NOTES:

\*821 WITH SJ8 CAN BE USED AS AN ALTERNATIVE TO SJ17 (SEE PSG-VS-02).

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed with Glazed Door



Vertical Door



0 min Integrity 0 min Insulation



0 mm Deflection

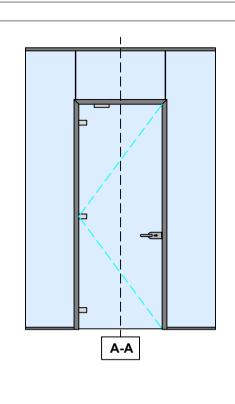
DRAWING NO:

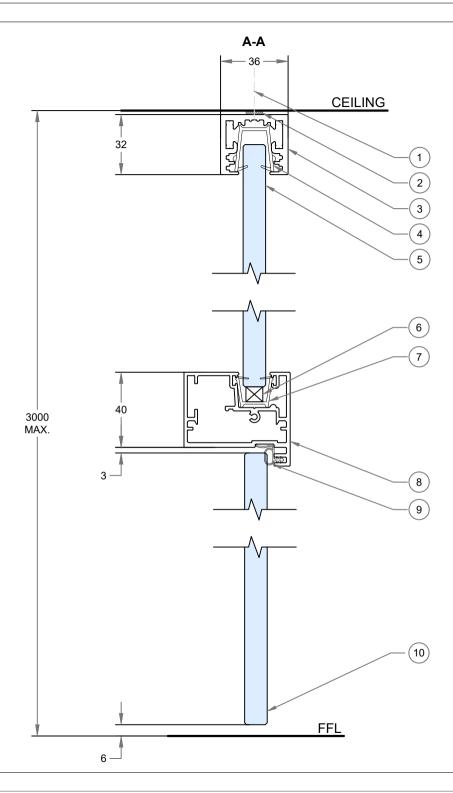
PSG-VS-12

SCALE: 1:2 ISSUE NO:

22.06.18

DATE:







# **POLAR SG**

COMPONENT KEY:

1	SUITABLE STRUCTURAL FIXING
2	342 FOAM
3	SJ17*
4	SJ13
5	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS
6	PSUN15 GLAZING PACKER
7	SJ36
8	SJ35
9	PSQ21
10	10-12mm TOUGHENED GLASS DOOR

### NOTES:

\*821 WITH SJ8 CAN BE USED AS AN ALTERNATIVE TO SJ17 (SEE PSG-VS-02).

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

### JUNCTION CATEGORY:



Single Glazed with Glazed Door & Overpanel



Vertical Door



0 min Integrity 0 min Insulation



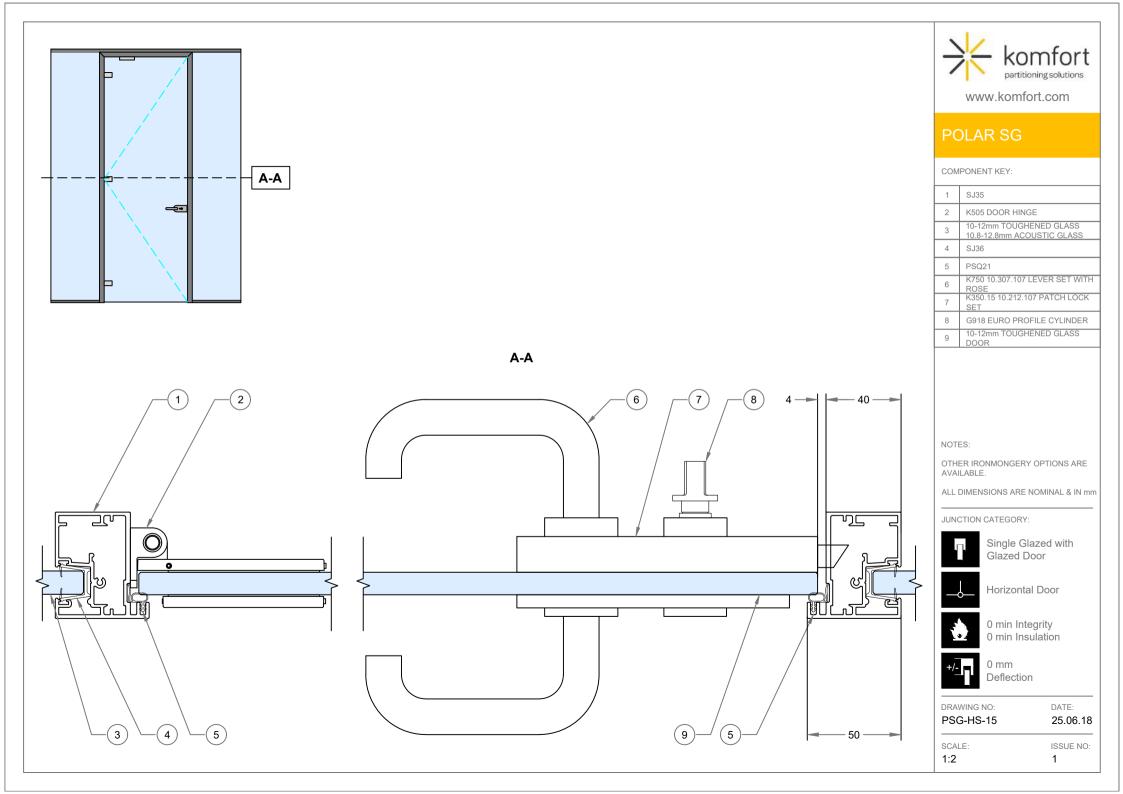
0 mm Deflection

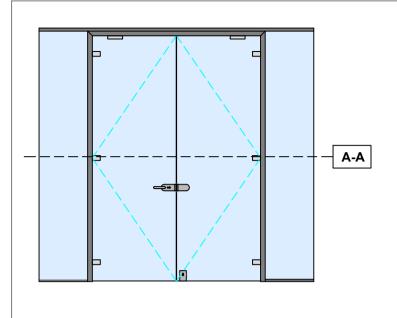
DRAWING NO: PSG-VS-13

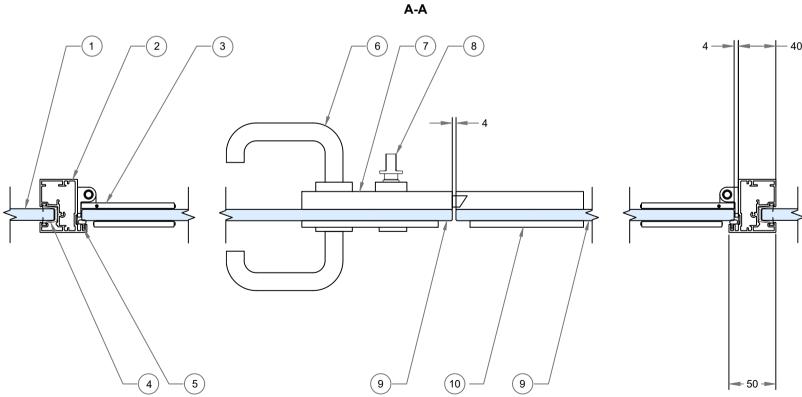
G-VS-13 22.06.18

SCALE: 1:2 ISSUE NO:

DATE:









# **POLAR SG**

COMPONENT	KEY:	

1	10-12.8mm TOUGHENED SAFETY GLASS
2	SJ35
3	K505 DOOR HINGE
4	SJ36
5	PSQ21
6	K750 10.307.107 LEVER SET WITH ROSE
7	K310.15 10.212.107 PATCH LOCK SET
8	G918 EURO PROFILE CYLINDER
9	10-12mm TOUGHENED GLASS

K527.15I STRIKE BOX

### NOTES:

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

#### JUNCTION CATEGORY:



Single Glazed with Glazed Double Door



Horizontal Door



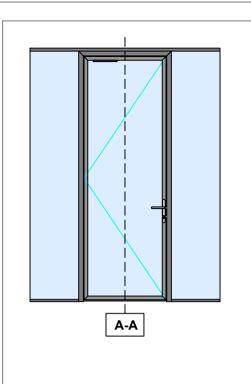
0 min Integrity 0 min Insulation

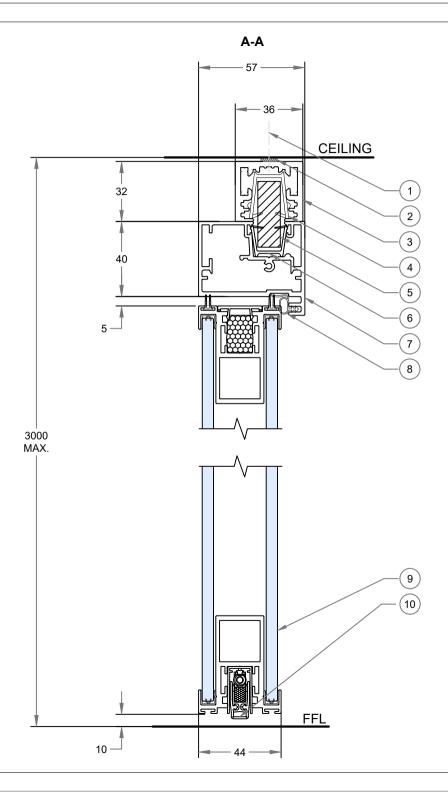


0 mm Deflection

DRAWING NO:	DATE:
PSG-HS-16	25.06.18

SCALE: 1:4 ISSUE NO:







### **POLAR SG**

COMPONENT KEY:

1	SUITABLE STRUCTURAL FIXING
2	342 FOAM
3	SJ17*
4	SJ13
5	SJ69
6	SJ36
7	SJ35
8	PSQ21
9	44mm DOUBLE GLAZED SONIK DOOR (DGD52)
10	DROPDOWN THRESHOLD SEAL

#### NOTES:

\*821 WITH SJ8 CAN BE USED AS AN ALTERNATIVE TO SJ17 (SEE PSG-VS-02).

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed with Sonik Door



Vertical Door



0 min Integrity 0 min Insulation



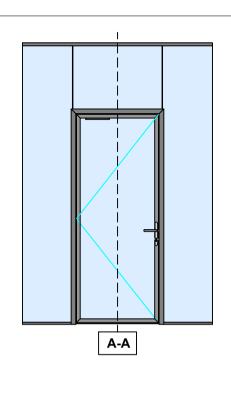
0 mm Deflection

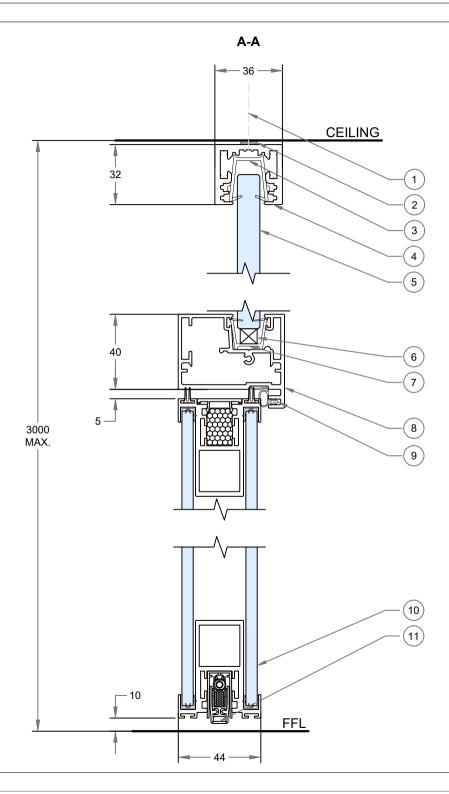
DRAWING NO: PSG-VS-14

SCALE: 1:2 25.06.18

ISSUE NO:

DATE:







# **POLAR SG**

COM	COMPONENT KEY:		
1	SUITABLE STRUCTURAL FIXING		
2	342 FOAM		
3	SJ13		
4	SJ17**		
5	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS		
6	PSUN15 GLAZING PACKER		
7	SJ36		
8	SJ35		
9	PSQ21		
10	44mm DOUBLE GLAZED SONIK DOOR (DGD52)		
11	DROPDOWN THRESHOLD SEAL		

#### NOTES:

\*MAXIMUM OVERPANEL HEIGHT IS BASED ON IT BEING NO MORE THAN 25% OF THE ACTUAL DOOR HEIGHT.

\*\*821 WITH SJ8 CAN BE USED AS AN ALTERNATIVE TO SJ17 (SEE PSG-VS-02).

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed with Sonik Door & Overpanel



Vertical Door



0 min Integrity 0 min Insulation

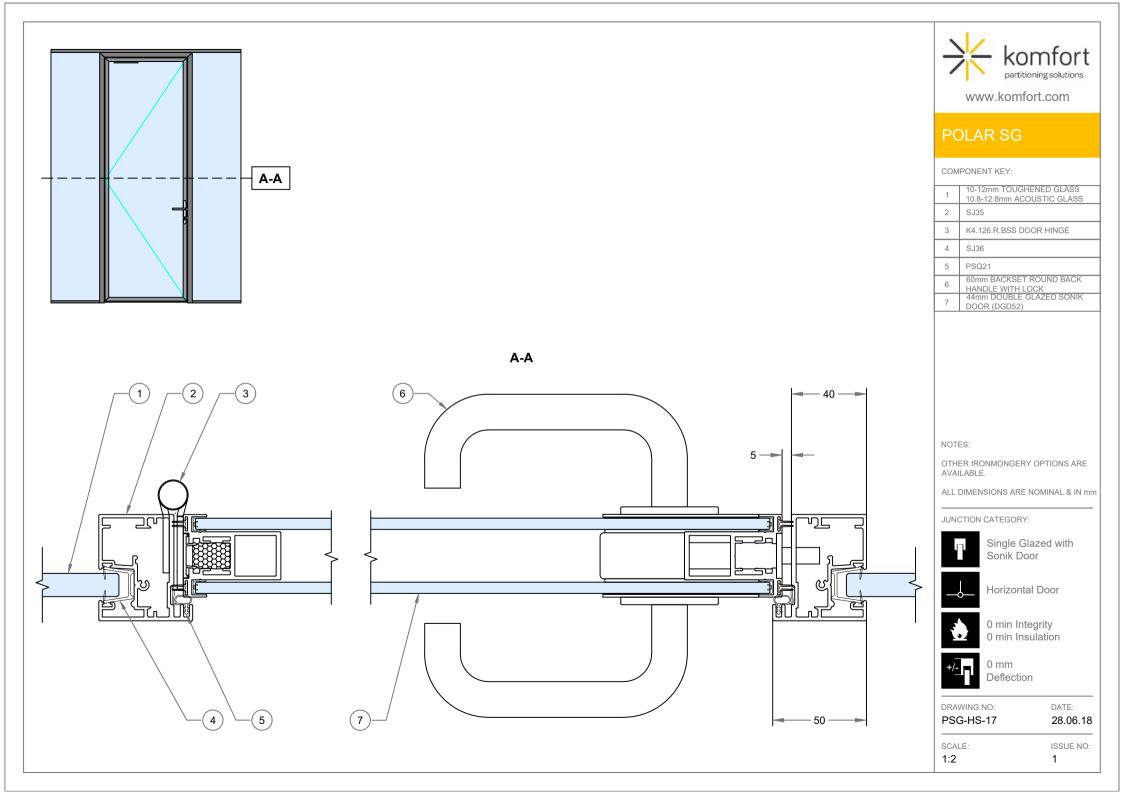


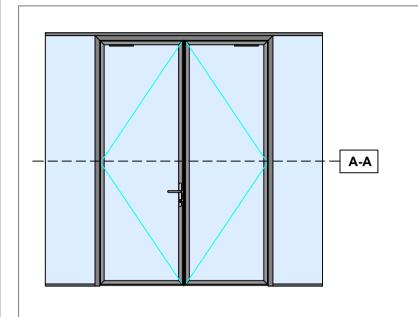
0 mm Deflection

DRAWING NO:	DATE:
PSG-VS-15	25.06.1

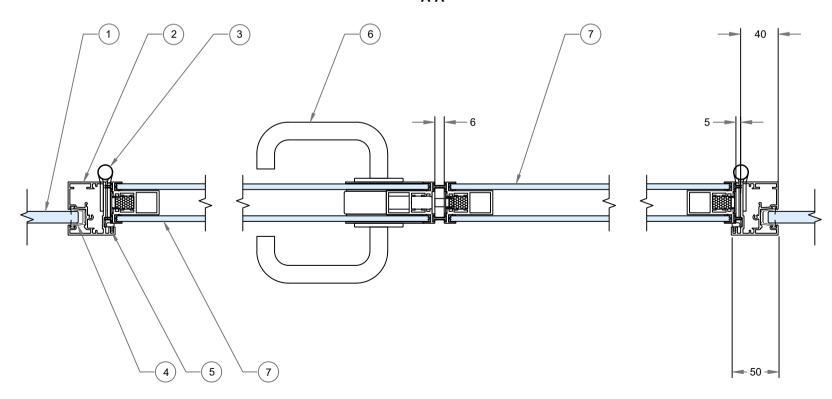
SCALE:

1:2





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### **POLAR SG**

#### COMPONENT KEY:

1	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS
2	SJ35
3	K4.126.R.BSS DOOR HINGE
4	SJ36

- 5 PSQ21
- 6 60mm BACKSET ROUND BACK HANDLE WITH LOCK 7 44mm DOUBLE GLAZED SONIK DOOR (DGD52)
  - G918 EURO PROFILE CYLINDER

#### NOTES:

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

#### JUNCTION CATEGORY:



Single Glazed with Double Sonik Door



Horizontal Door



0 min Integrity 0 min Insulation



0 mm Deflection

DRAWING NO:

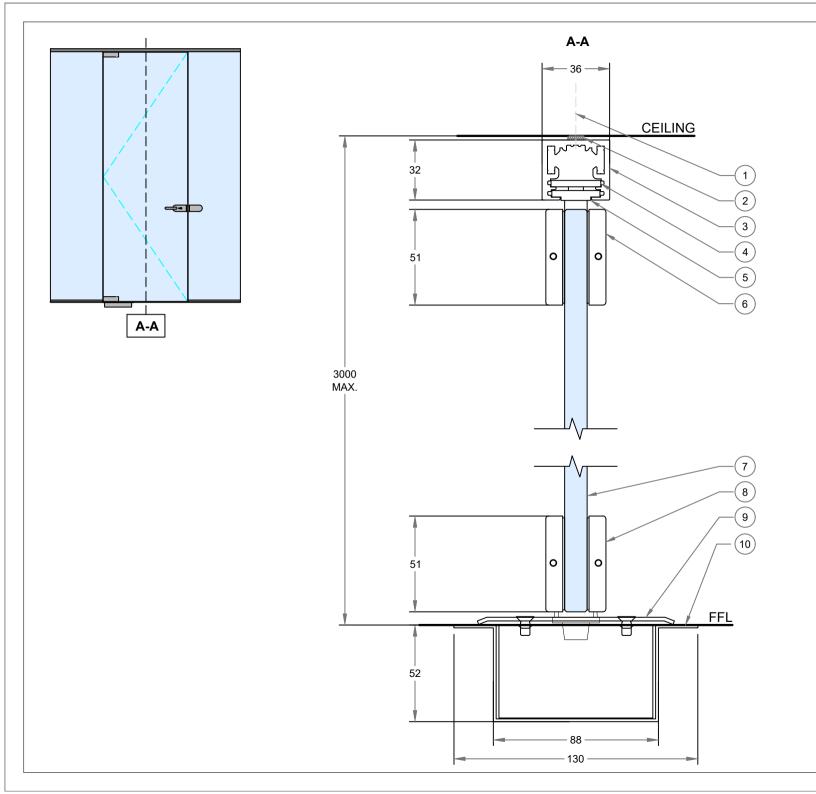
DATE:

PSG-HS-18

28.06.18

SCALE: 1:4

ISSUE NO:





# **POLAR SG**

COMP	ONE	NT	KEY	:

1		SUITABLE STRUCTURAL FIXING
2		342 FOAM
3		SJ17
4		SJ23
5		SJ22
6		K20 PATCH HINGE
7		10-12mm TOUGHENED GLASS DOOR
8		K10 PATCH HINGE
9		BTS 75 FLOOR SPRING
10	)	COFFER75 COFFER BOX

### NOTES:

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

### JUNCTION CATEGORY:



Single Glazed with Frameless Glazed Door



Vertical Door



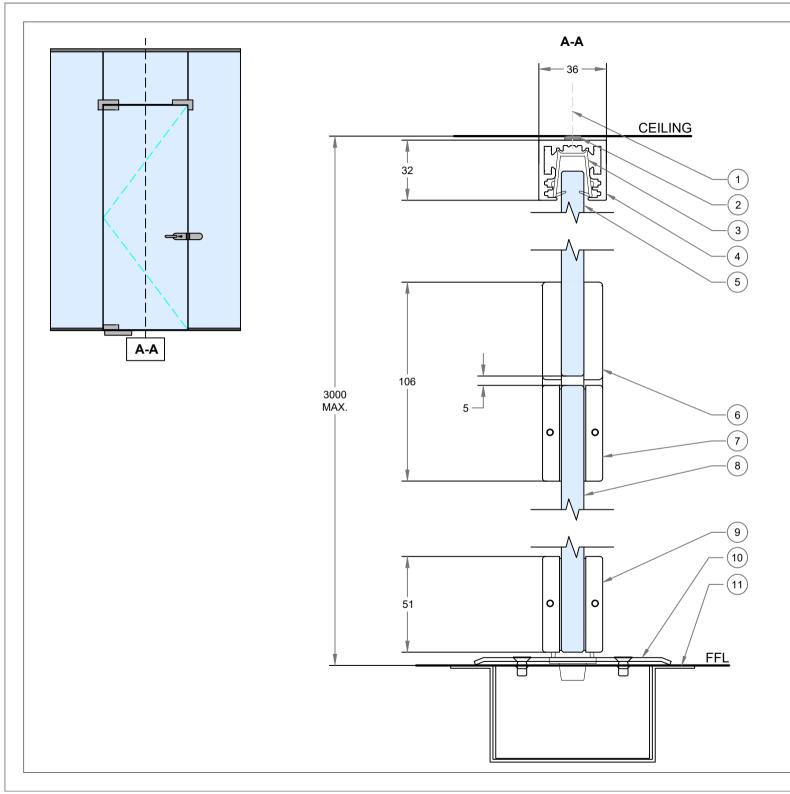
0 min Integrity 0 min Insulation



0 mm Deflection

PSG-VS-16	29.06.18
RAWING NO:	DATE:

SCALE: 1:2 ISSUE NO:





### **POLAR SG**

COMPONENT KEY:		
1	SUITABLE STRUCTURAL FIXING	
2	342 FOAM	
3	SJ13	
4	SJ17*	
5	10-12mm TOUGHENED GLASS 10.8-12.8mm ACOUSTIC GLASS	
6	K40PV PATCH FITTING	
7	K20 PATCHHINGE	
8	10-12mm TOUGHENED GLASS DOOR	
9	K10 PATCH HINGE	
10	BTS 75 FLOOR SPRING	
11	COFFER75 COFFER BOX	

#### NOTES:

\*821 WITH SJ8 CAN BE USED AS AN ALTERNATIVE TO SJ17 (SEE PSG-VS-02).

OTHER IRONMONGERY OPTIONS ARE AVAILABLE.

ALL DIMENSIONS ARE NOMINAL & IN mm

### JUNCTION CATEGORY:



Single Glazed with Frameless Glazed Door & Overpanel



Vertical Door



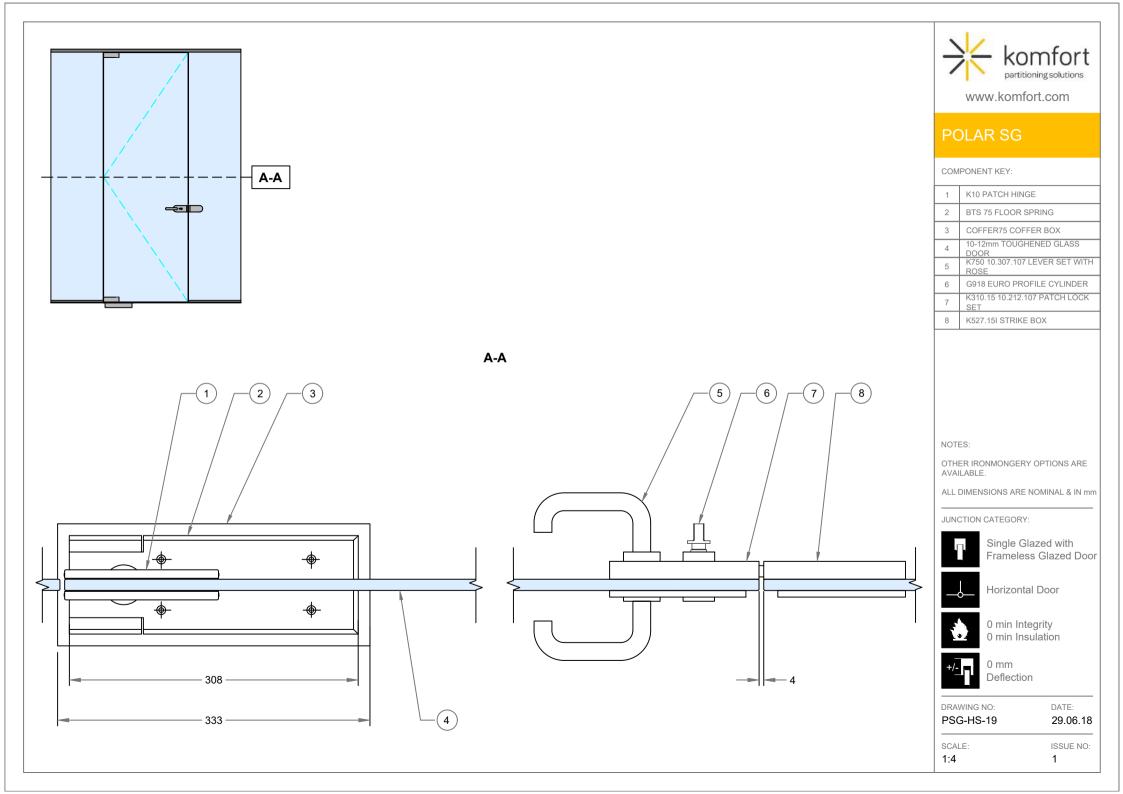
0 min Integrity 0 min Insulation

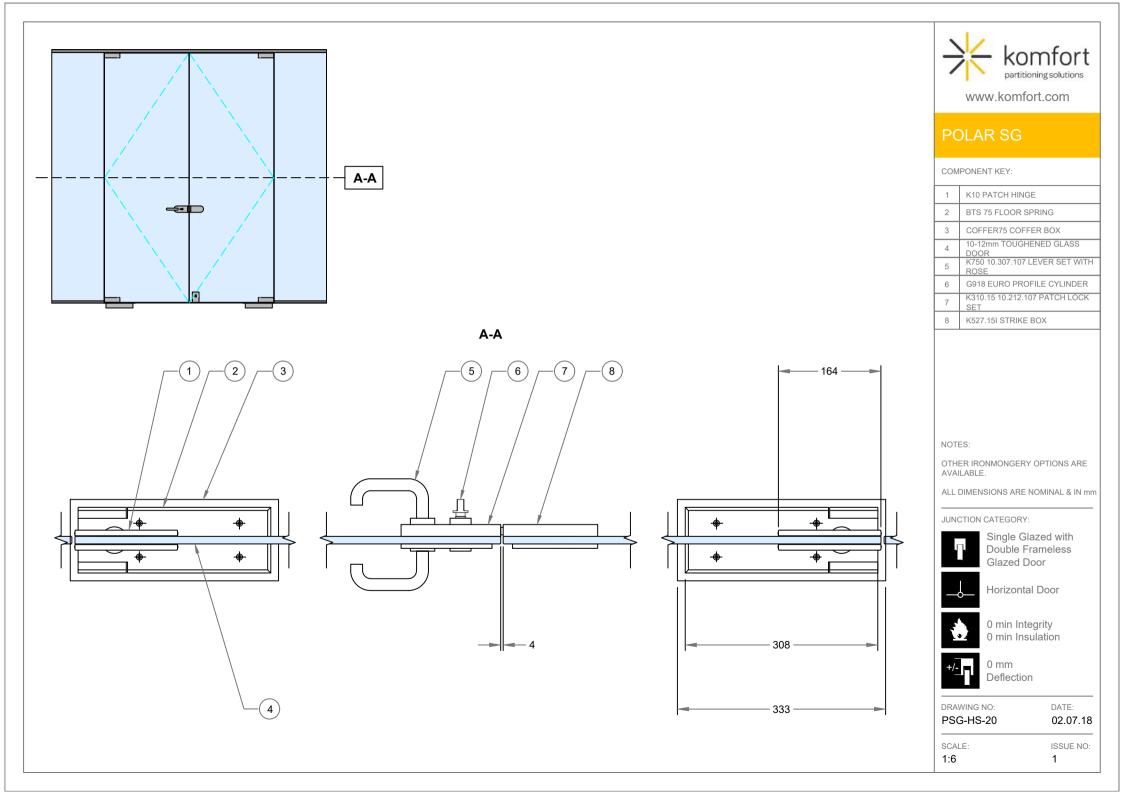


0 mm Deflection

DRAWING NO:	DATE:
PSG-VS-17	29.06.18

SCALE: 1:2





	ALUMINIUM COMPONENTS					
CODE	COMPONENT I.D	DESCRIPTION	CODE	COMPONENT I.D	DESCRIPTION	
SJ17	۳۶ چ ۳۳ ک ۳۳	Square Micro Head Channel	SJ170	<u> </u>	Deflection Head Channel	
SJ3	3	Base Channel Leg	SJ166		Deflection Head Channel	
SJ2	لين	Base Channel	SJ172	Ш	Deflection Head Channel	
821	7 5	Head/Abutment Channel	PSQ60	Ш	Deflection Head Channel	
SJ8		Glazing Pocket Channel	835		Head/Floor Track	
SJ167		Deflection Head Channel	PSQ3	7-	Skirting	
SJ169		Deflection Head Channel	PSQ36	ىا	Skirting Channel	
SJ165		Deflection Head Channel	PSQ61		Deflection Head Channel	
SJ171		Deflection Head Channel	853		Vertical Stud	
SJ21	<u> </u>	Deflection Head Channel	SJ44	П	Wall Abutment Channel	
SJ168	il si	Deflection Head Channel	SJ10		Radius Fair End Post	
SJ4		Angled Solid/Glass Reducer	SJ45		Angled Solid/Glass Reducer	



# **POLAR SG**

COMPONENT KEY:

NOTES:

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed



Component ID



N/A



N/A

DRAWING NO: PSG-CO-01

DATE: 26.07.18

SCALE:

ALUMINIUM COMPONENTS (Continued)					
CODE	COMPONENT I.D	DESCRIPTION	CODE	COMPONENT I.D	DESCRIPTION
SJ75		Squared Solid/Glass Reducer	PSQ5		Tape and Joint Solid/Glass Reducer
SJ76		Squared Solid/Glass Reducer	SJ35		Doorframe

	PLASTIC / FOAM / BRUSH COMPONENTS				
CODE	COMPONENT I.D	DESCRIPTION	CODE	COMPONENT I.D	DESCRIPTION
342		Head Track Foam - Grey	SJ39		Glazing Gasket
SJ13		Glazing Channel Gasket	SJ34		Bubble Dry Joint
SJ11/SJ12	0	4mm/5mm Base Channel Gasket	SJ31/SJ32		Two Part Dry Joint
PSUN15	$\boxtimes$	1, 3 & 6mm Clear Glazing Packers	881S50		50mm Insulation Roll
SJ36L		Glazing Channel Gasket	SJ37	<b>Q</b>	Door Frame Buffer Seal
SJ36		Glazing Channel Gasket	PSQ21		Door Frame Buffer Seal



# **POLAR SG**

COMPONENT KEY:

NOTES:

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed



Component ID



N/A



N/A

DRAWING NO: PSG-CO-02

DATE: 18.02.19

SCALE:

ISSUE NO:

NTS

	MISCELLANEOUS COMPONENTS					
CODE	COMPONENT I.D	DESCRIPTION	CODE	COMPONENT I.D	DESCRIPTION	
331		Softwood for 50mm Stud	884		Base Track Inner Gasket - Black	
P279		Timber Door Frame	XK142	[7777772]	Base Track Outer Gasket For 12-12.8mm Glass - Black or Clear	
565	73 (5)	Drop Down Threshold Seal	SJ69		Softwood Packer	



# **POLAR SG**

COMPONENT KEY:

NOTES:

ALL DIMENSIONS ARE NOMINAL & IN mm

JUNCTION CATEGORY:



Single Glazed



Component ID



N/A



N/A

DRAWING NO: PSG-CO-03

DATE: 27.07.18

SCALE: