POSIGLAZE ELEVATION

SAFELITE STF Glass

POSIGLAZE SYSTEM
SAFELITE® STF (Sentry®) 13.52mm

PANEL WIDTH NOTES:

Balustrade stiffener brackets or interlinking rail required for panels <1700mm.
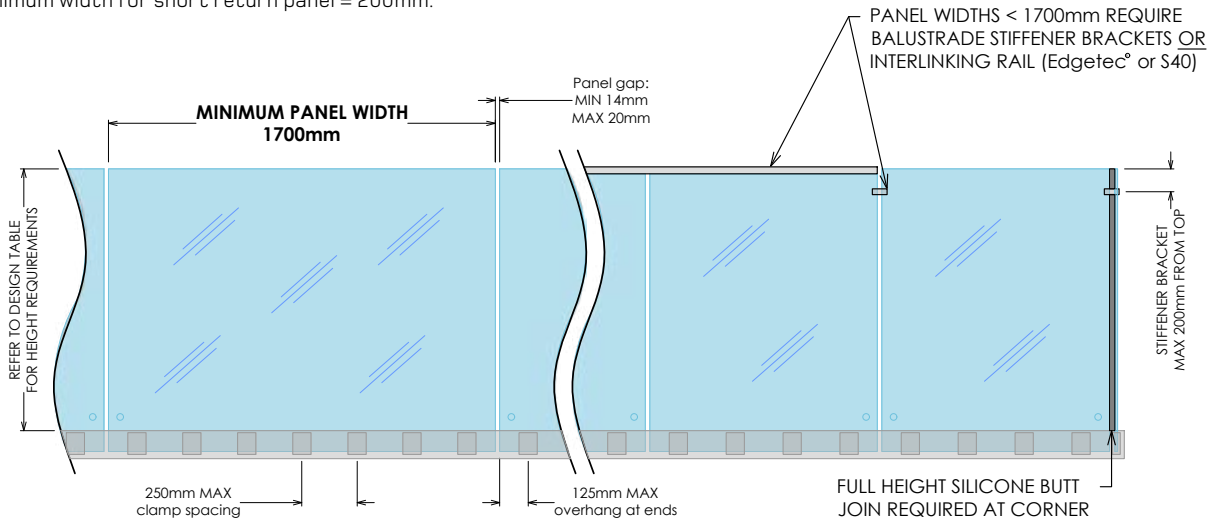Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

Residential & Commercial
Occupancy types A, A other, C3, B and E.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

PANEL WIDTHS < 1700mm REQUIRE BALUSTRADE STIFFENER BRACKETS OR INTERLINKING RAIL (Edgetec° or S40)

MINIMUM PANEL WIDTH 1700mm

Panel gap: MIN 14mm MAX 20mm

REFER TO DESIGN TABLE FOR HEIGHT REQUIREMENTS

STIFFENER BRACKET MAX 200mm FROM TOP

250mm MAX clamp spacing

125mm MAX overhang at ends

FULL HEIGHT SILICONE BUTT JOIN REQUIRED AT CORNER

POSIGLAZE SYSTEM
SAFELITE® STF (Sentry®) 17.52mm, 21.52mm

PANEL WIDTH NOTES:

Balustrade stiffener brackets or interlinking rail required for panels <1100mm.
Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.
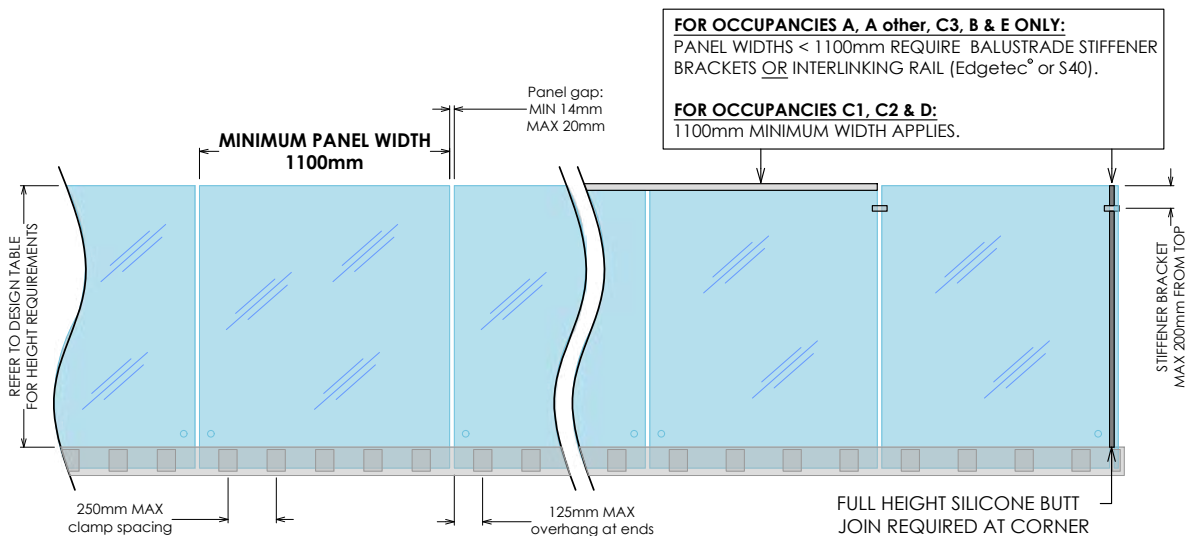
17.52mm – Residential & Commercial
Occupancy types A, A other, C3, B and E.

21.52mm – Commercial
Occupancy types C1, C2 and D.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

FOR OCCUPANCIES A, A other, C3, B & E ONLY:
PANEL WIDTHS < 1100mm REQUIRE BALUSTRADE STIFFENER BRACKETS OR INTERLINKING RAIL (Edgetec° or S40).

FOR OCCUPANCIES C1, C2 & D:
1100mm MINIMUM WIDTH APPLIES.

MINIMUM PANEL WIDTH 1100mm

Panel gap: MIN 14mm MAX 20mm

REFER TO DESIGN TABLE FOR HEIGHT REQUIREMENTS

STIFFENER BRACKET MAX 200mm FROM TOP

250mm MAX clamp spacing

125mm MAX overhang at ends

FULL HEIGHT SILICONE BUTT JOIN REQUIRED AT CORNER

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

POSIGLAZE ELEVATION

SAFELITE EVA Glass

POSIGLAZE SYSTEM
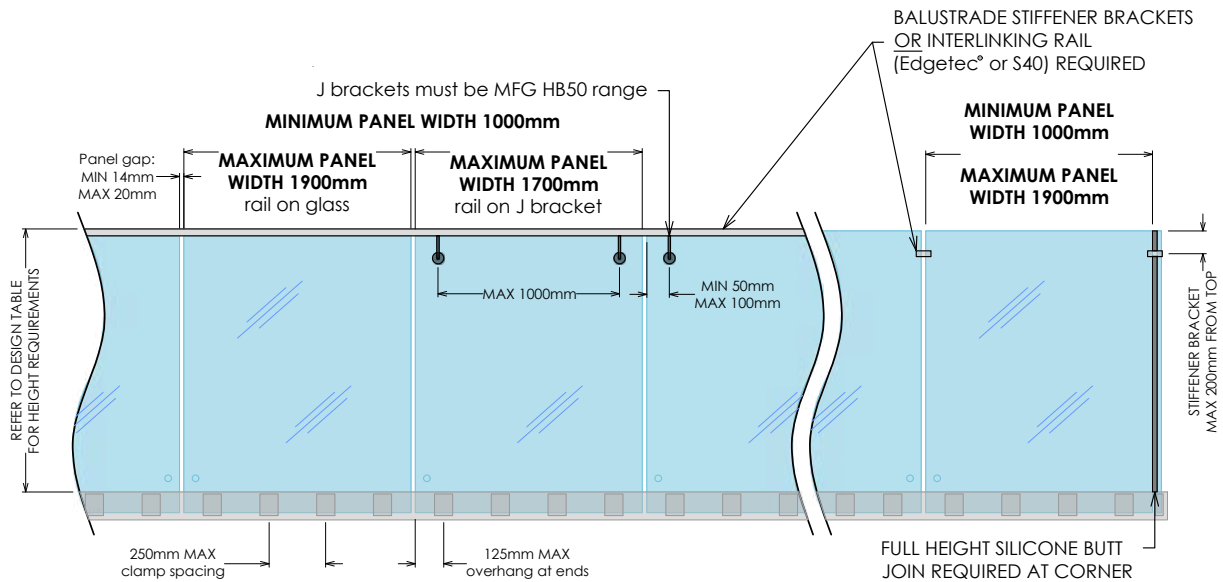### SAFELITE® EVA 15.2mm, 17.2mm

PANEL WIDTH NOTES:

Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

Residential & Commercial
Occupancy types A, A other, C3, B and E.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

BALUSTRADE STIFFENER BRACKETS OR INTERLINKING RAIL (Edgetec® or S40) REQUIRED

J brackets must be MFG HB50 range

MINIMUM PANEL WIDTH 1000mm

MINIMUM PANEL WIDTH 1000mm

Panel gap: MIN 14mm MAX 20mm

MAXIMUM PANEL WIDTH 1900mm rail on glass

MAXIMUM PANEL WIDTH 1700mm rail on J bracket

MAXIMUM PANEL WIDTH 1900mm

REFER TO DESIGN TABLE FOR HEIGHT REQUIREMENTS

MAX 1000mm

MIN 50mm MAX 100mm

STIFFENER BRACKET MAX 200mm FROM TOP

250mm MAX clamp spacing

125mm MAX overhang at ends

FULL HEIGHT SILICONE BUTT JOIN REQUIRED AT CORNER

POSIGLAZE SYSTEM
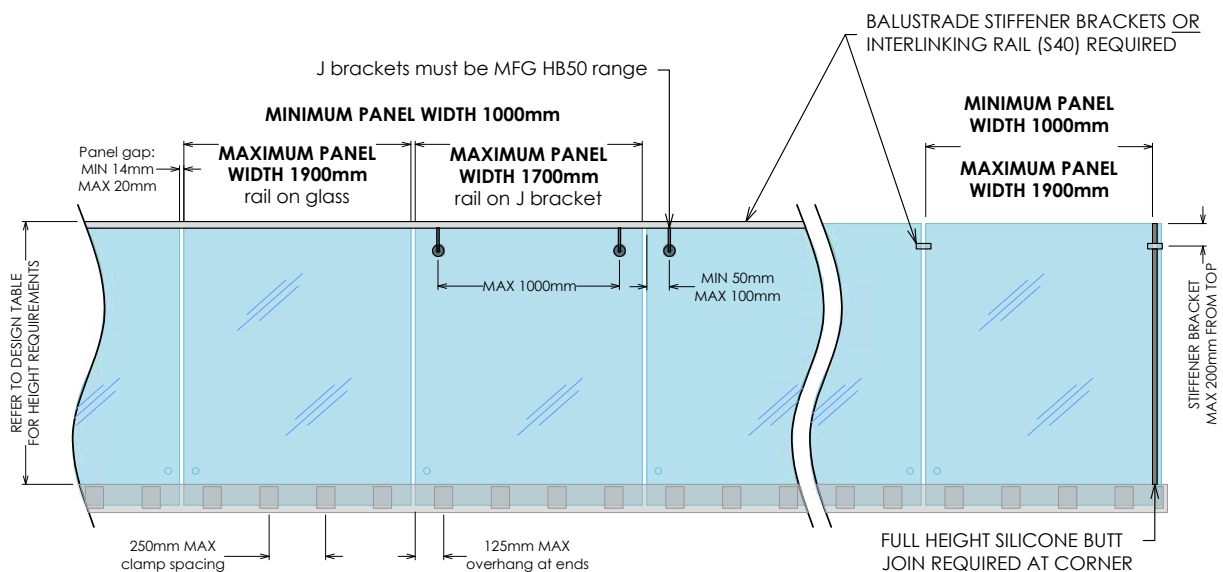### SAFELITE® EVA 19.2mm

PANEL WIDTH NOTES:

Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

Residential & Commercial
Occupancy types A, A other, C3, B and E.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

BALUSTRADE STIFFENER BRACKETS OR INTERLINKING RAIL (S40) REQUIRED

J brackets must be MFG HB50 range

MINIMUM PANEL WIDTH 1000mm

MINIMUM PANEL WIDTH 1000mm

Panel gap: MIN 14mm MAX 20mm

MAXIMUM PANEL WIDTH 1900mm rail on glass

MAXIMUM PANEL WIDTH 1700mm rail on J bracket

MAXIMUM PANEL WIDTH 1900mm

REFER TO DESIGN TABLE FOR HEIGHT REQUIREMENTS

MAX 1000mm

MIN 50mm MAX 100mm

STIFFENER BRACKET MAX 200mm FROM TOP

250mm MAX clamp spacing

125mm MAX overhang at ends

FULL HEIGHT SILICONE BUTT JOIN REQUIRED AT CORNER

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

POSIGLAZE SYSTEM

POSIGLAZE ELEVATION
TEMPAFLOAT Glass

POSIGLAZE SYSTEM
TEMPAFLOAT® 12mm
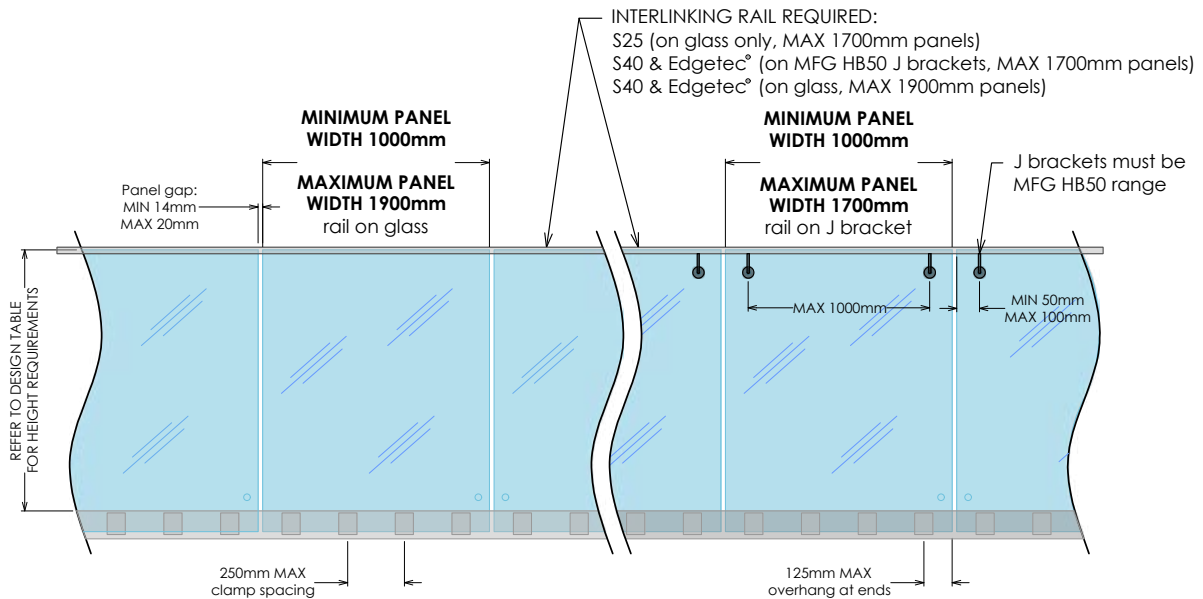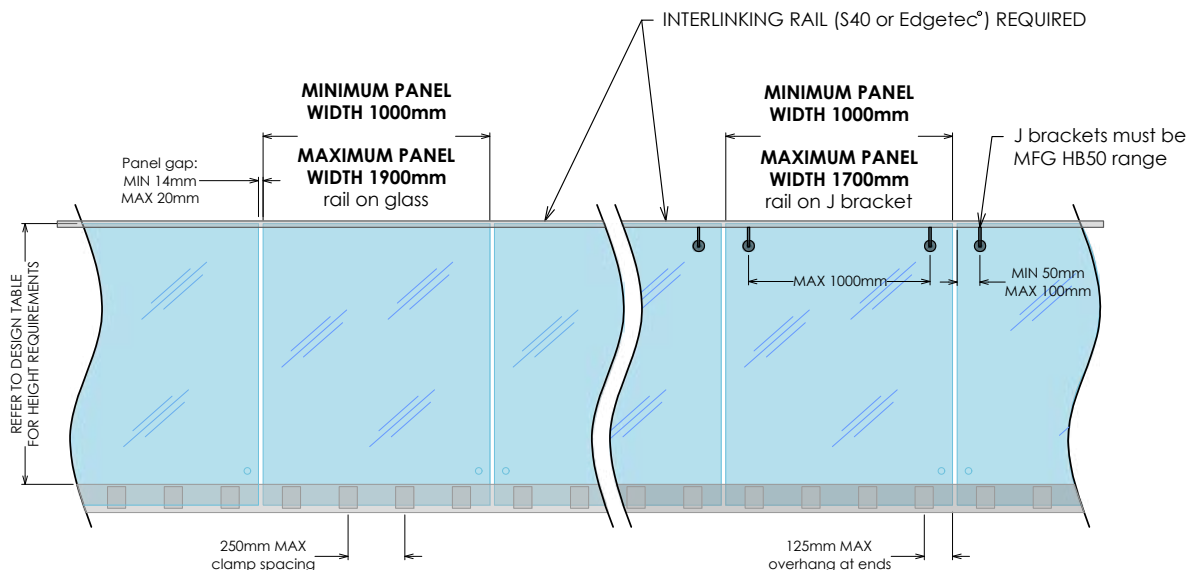
PANEL WIDTH NOTES:

Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

Residential & Commercial
Occupancy types A, A other, C3, B and E.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

INTERLINKING RAIL REQUIRED:
S25 (on glass only, MAX 1700mm panels)
S40 & Edgetec° (on MFG HB50 J brackets, MAX 1700mm panels)
S40 & Edgetec° (on glass, MAX 1900mm panels)

MINIMUM PANEL WIDTH 1000mm
MAXIMUM PANEL WIDTH 1900mm rail on glass

MINIMUM PANEL WIDTH 1000mm
MAXIMUM PANEL WIDTH 1700mm rail on J bracket

J brackets must be MFG HB50 range

Panel gap: MIN 14mm MAX 20mm

REFER TO DESIGN TABLE FOR HEIGHT REQUIREMENTS

MAX 1000mm

MIN 50mm MAX 100mm

250mm MAX clamp spacing

125mm MAX overhang at ends

POSIGLAZE SYSTEM
TEMPAFLOAT® 15mm

PANEL WIDTH NOTES:

Minimum panel width where two or more panels are in a straight line = 1000mm.
Minimum width for short return panel = 200mm.

Residential & Commercial
Occupancy types A, A other, C3, B and E.

GLASS & FIXING SPECIFICATIONS:
Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

INTERLINKING RAIL (S40 or Edgetec°) REQUIRED

MINIMUM PANEL WIDTH 1000mm
MAXIMUM PANEL WIDTH 1900mm rail on glass

MINIMUM PANEL WIDTH 1000mm
MAXIMUM PANEL WIDTH 1700mm rail on J bracket

J brackets must be MFG HB50 range

Panel gap: MIN 14mm MAX 20mm

REFER TO DESIGN TABLE FOR HEIGHT REQUIREMENTS

MAX 1000mm

MIN 50mm MAX 100mm

250mm MAX clamp spacing

125mm MAX overhang at ends

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

POSIGLAZE ELEVATION
Pool Fence
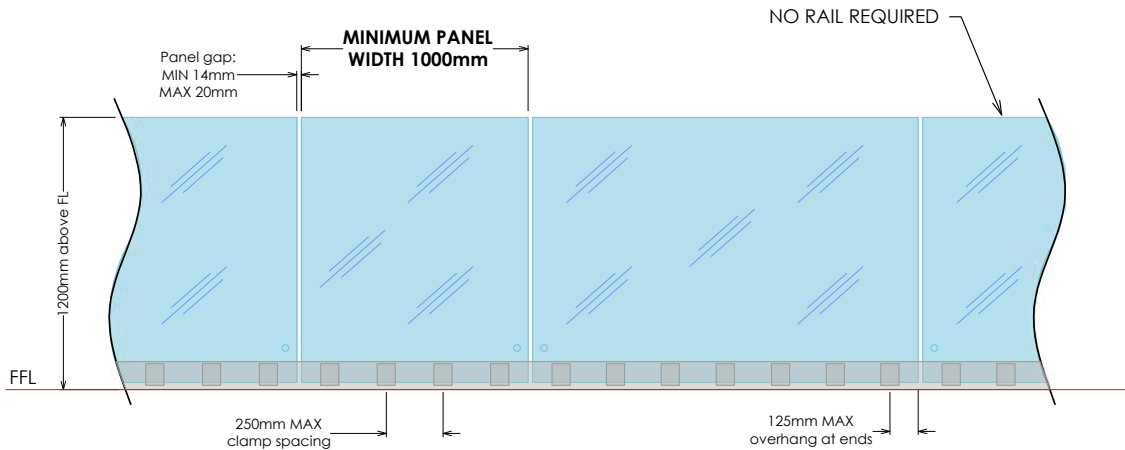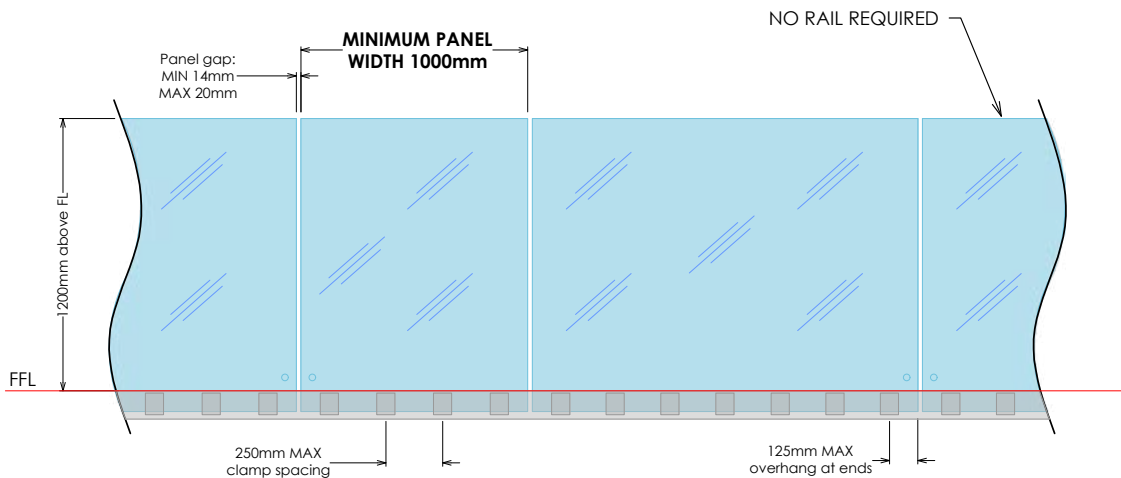
POSIGLAZE SYSTEM
POOL FENCE ONLY (BASE FIX)

GLASS & FIXING SPECIFICATIONS:

Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

APPLIES TO FREE STANDING POOL FENCES NOT PROTECTING A FALL OF > 1000mm.

As of Jan 2017, complies with Building Code clause F9 & section 162C of the building Act.

NO RAIL REQUIRED

Panel gap:
MIN 14mm
MAX 20mm

MINIMUM PANEL
WIDTH 1000mm

1200mm above FL

FFL

250mm MAX
clamp spacing

125mm MAX
overhang at ends

POSIGLAZE SYSTEM
POOL FENCE ONLY (SIDE FIX)

GLASS & FIXING SPECIFICATIONS:

Refer to design table for maximum glass height, maximum fixing spacing and design loads to structure.

APPLIES TO FREE STANDING POOL FENCES NOT PROTECTING A FALL OF > 1000mm.

As of Jan 2017, complies with Building Code clause F9 & section 162C of the building Act.

NO RAIL REQUIRED

Panel gap:
MIN 14mm
MAX 20mm

MINIMUM PANEL
WIDTH 1000mm

1200mm above FL

FFL

250mm MAX
clamp spacing

125mm MAX
overhang at ends

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

POSIGLAZE SYSTEM
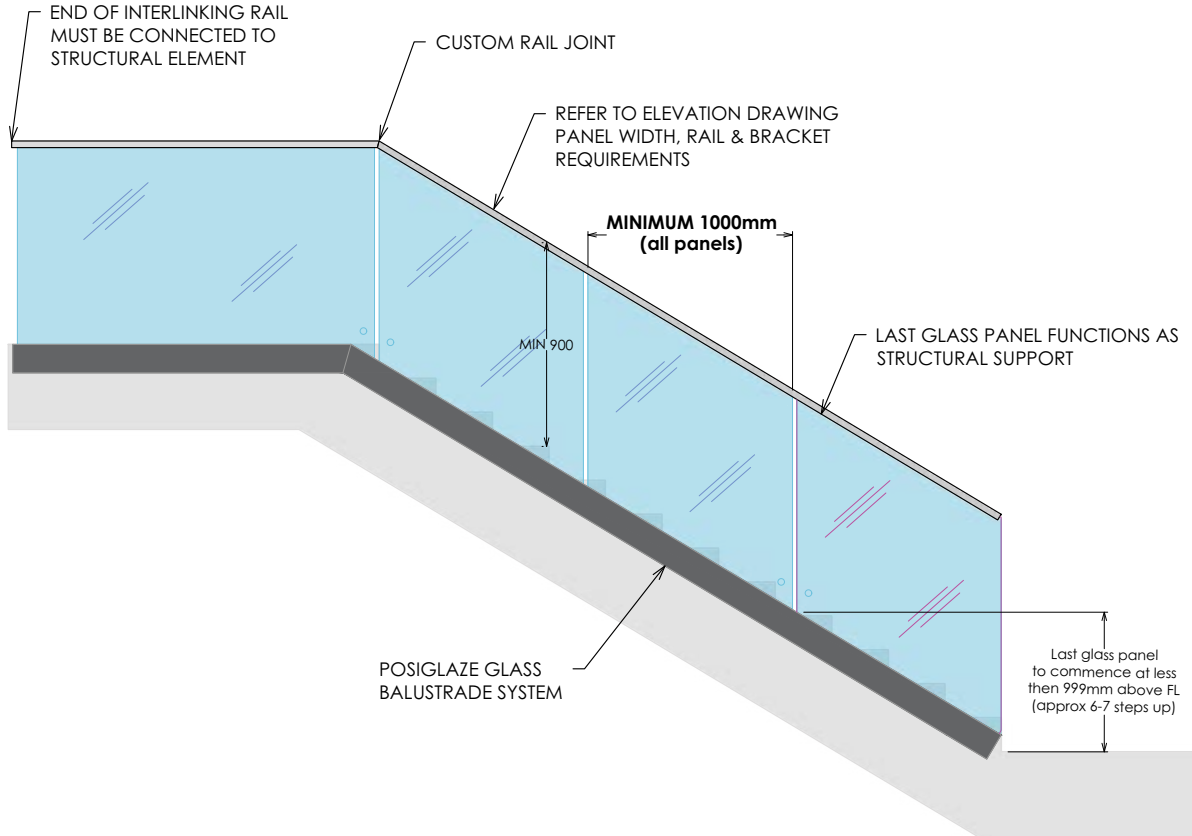
POSIGLAZE ELEVATION
Stair Balustrade

POSIGLAZE SYSTEM
STAIR BALUSTRADE

GLASS & FIXING SPECIFICATIONS:

Refer to design table for maximum glass height,
maximum fixing spacing and design loads to structure.

> The specifier must ensure that the
> handrail requirements are for stairways
> as per the NZ Building Code are complied with.

END OF INTERLINKING RAIL
MUST BE CONNECTED TO
STRUCTURAL ELEMENT

CUSTOM RAIL JOINT

REFER TO ELEVATION DRAWING
PANEL WIDTH, RAIL & BRACKET
REQUIREMENTS

**MINIMUM 1000mm
(all panels)**

MIN 900

LAST GLASS PANEL FUNCTIONS AS
STRUCTURAL SUPPORT

POSIGLAZE GLASS
BALUSTRADE SYSTEM

Last glass panel
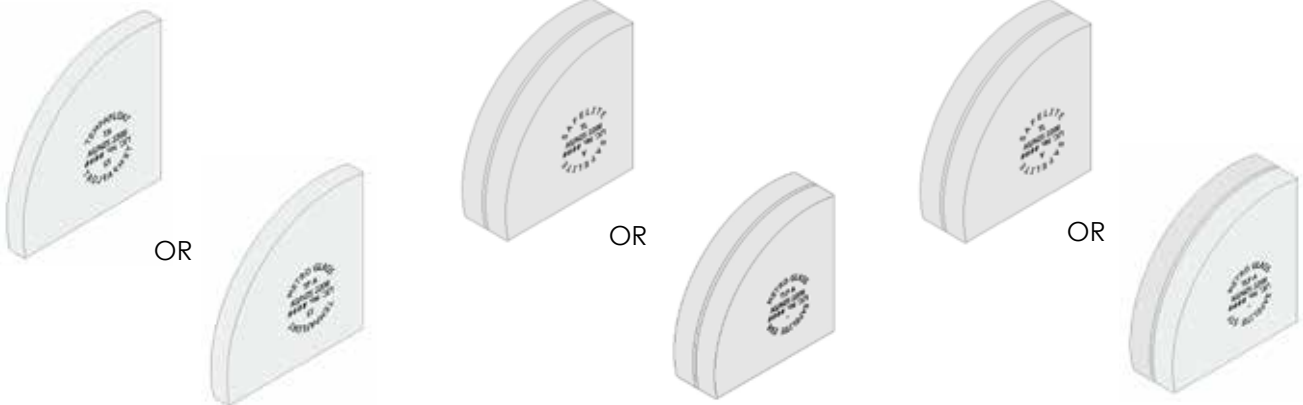to commence at less
then 999mm above FL
(approx 6-7 steps up)

IMPORTANT NOTE: The substructure to which the balustrade is to be attached must be designed by a structural engineer to resist the relevant balustrade actions as per B1/VM1.

TEMPAFLOAT®
Toughened Safety Glass

SAFELITE® EVA
Laminated Safety Glass

SAFELITE® STF (Sentry®)
Laminated Safety Glass with Rigid Interlayer

OR

OR

OR

T	Toughened	**LIC. No. 2625** Christchurch (T TL)
TL	Toughened Laminated	**LIC. No. 2603** Wellington (T TL)
A	Grade A	**LIC. No. 2718** Tauranga (T TL)
		LIC. No. 2518 & 2465 Auckland (T TL)

METRO PERFORMANCE GLASS