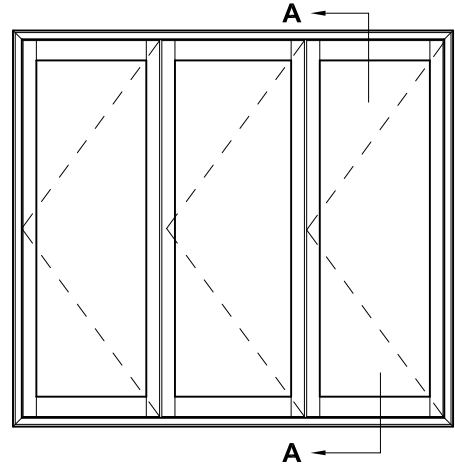
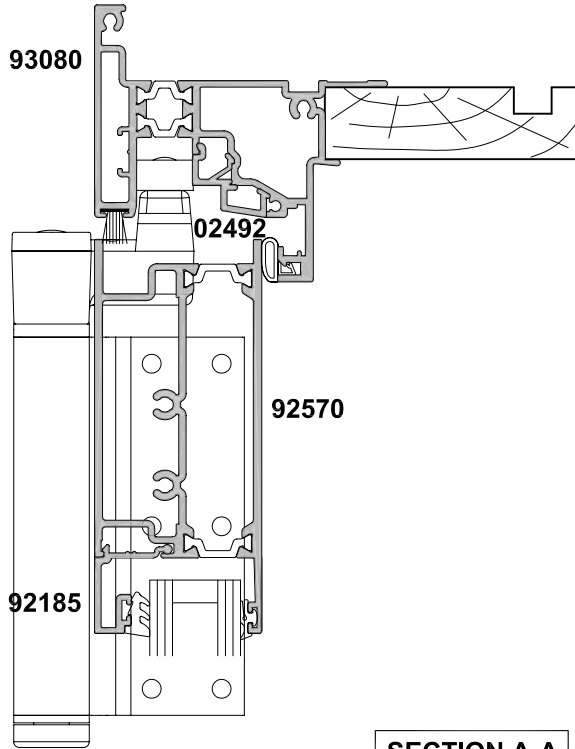


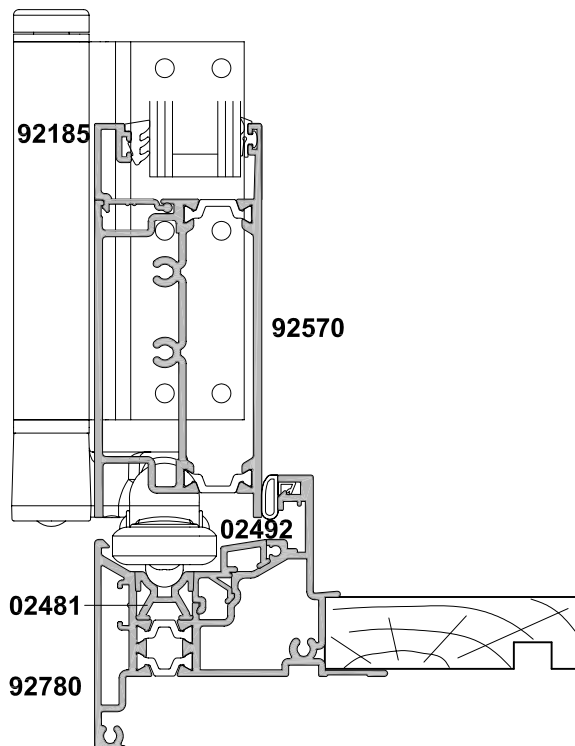
METRO THERMAL HEART, A600MT BI-FOLD DOOR OPEN OUT CROSS SECTION

Cad Ref. ATBD02-0 Scale 1:2 Date 01.01.09



SECTION A-A

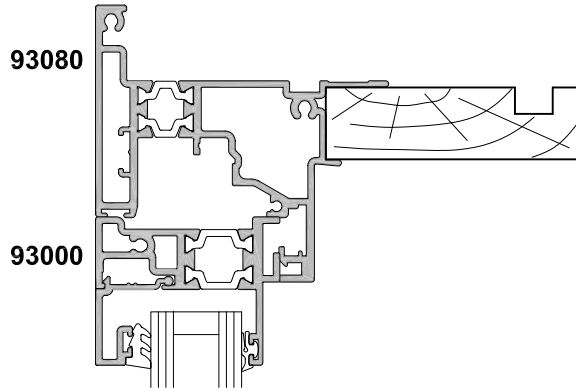
Refer to Hinge Door
Section for Vision Rail
Options



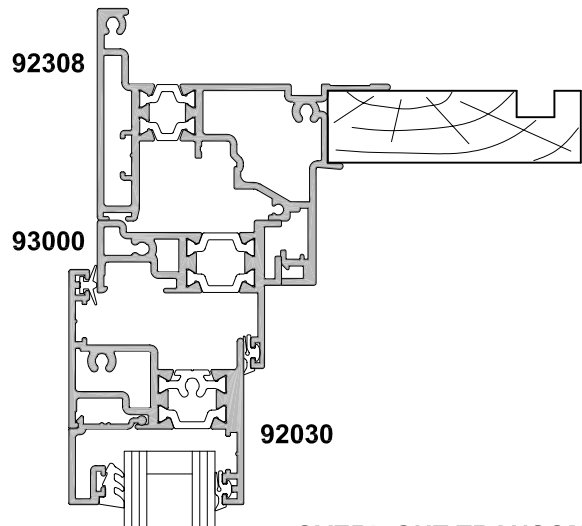
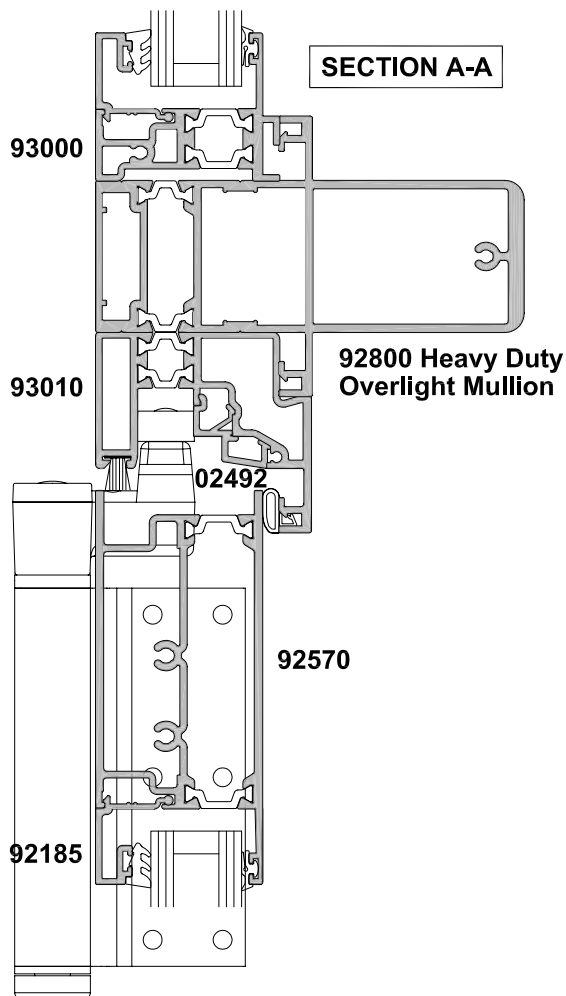
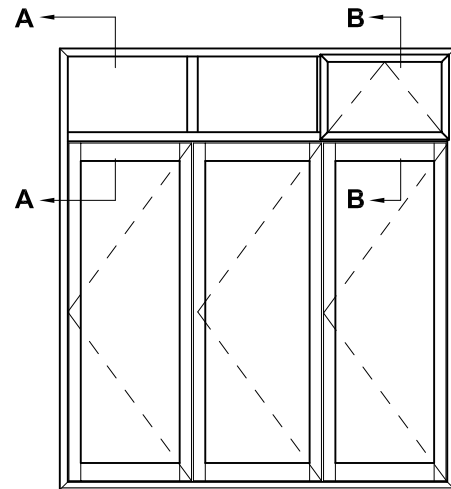
METRO THERMAL HEART, A600MT BI-FOLD DOOR OVERLIGHT TRANSOM

CROSS SECTION

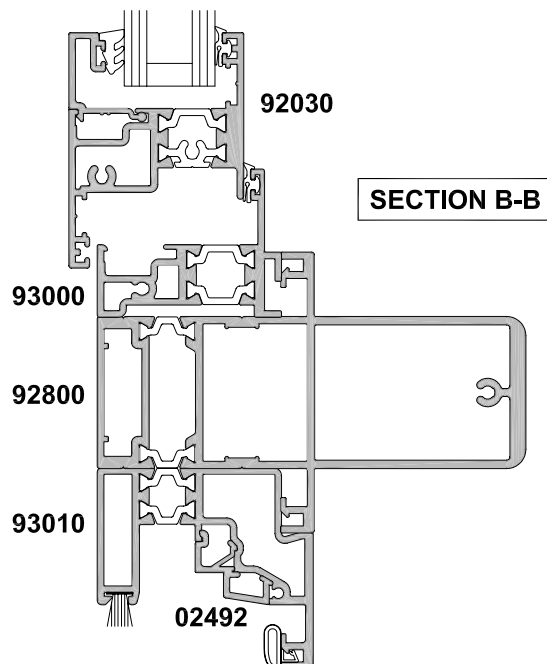
Cad Ref. ATBD03-0 Scale 1:2 Date 01.01.09



**OVERLIGHT TRANSOM
FIXED GLAZING OPTION**



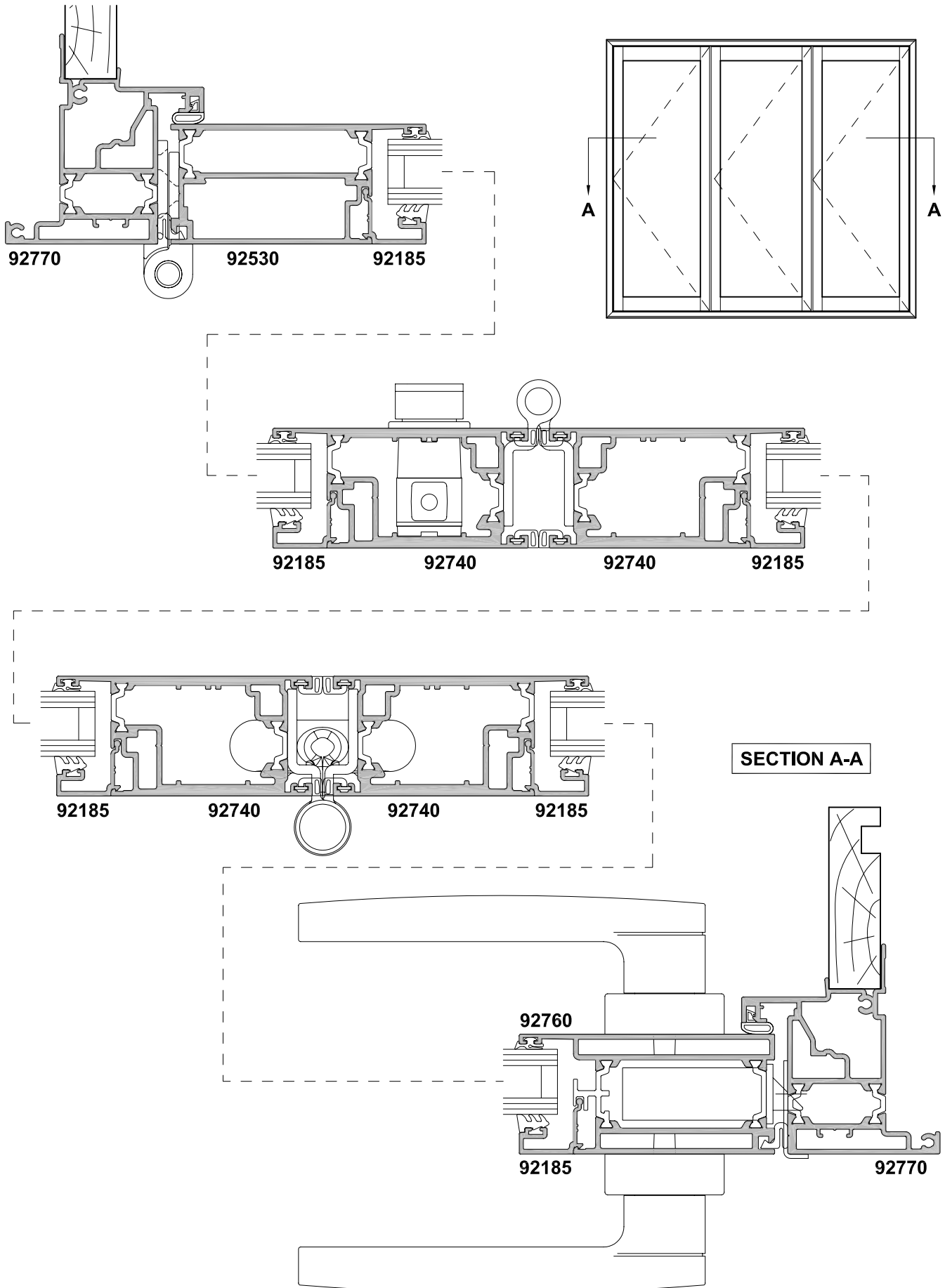
**OVERLIGHT TRANSOM
AWNING SASH OPTION**



METRO THERMAL HEART, A600MT BI-FOLD DOOR THREE PANEL OPEN OUT DOOR

CROSS SECTION

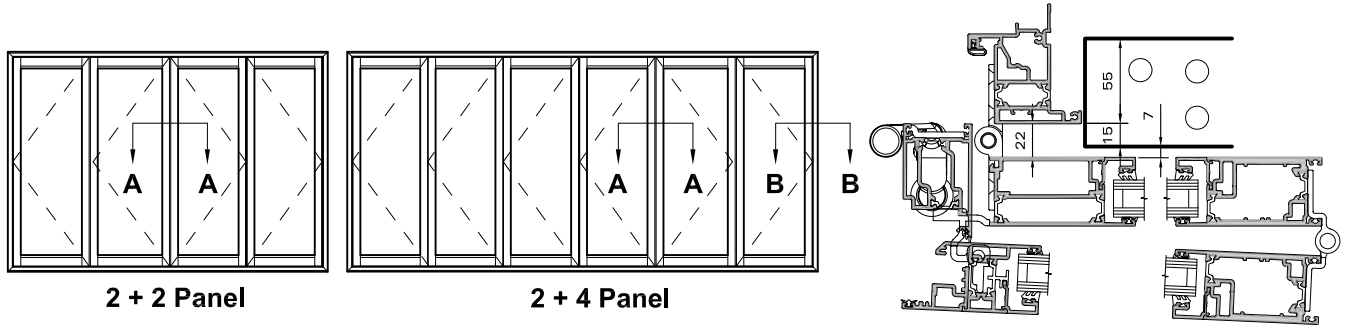
Cad Ref. ATBD04-0 Scale 1:2 Date 01.01.09



METRO THERMAL HEART, A600MT BI-FOLD DOOR MEETING STILES

CROSS SECTION

Cad Ref. ATBD05-0 Scale 1:2 Date 01.01.09



2 + 2 Panel

2 + 4 Panel

SECTION B-B

Scale: NTS

LAY-BACK STILE OPTION (Two panel sides only)

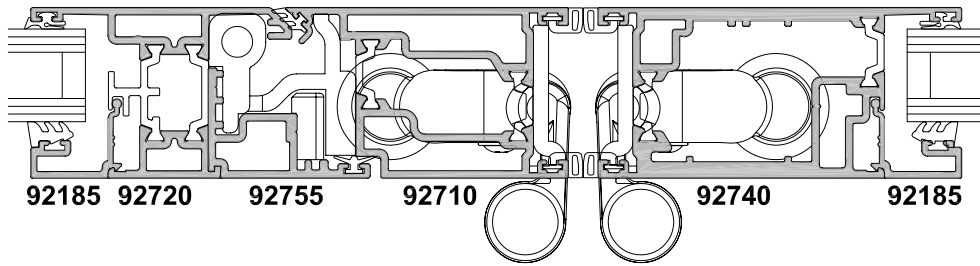
STANDARD STILE (Any side with even number of panels)

Lay-Back Installation Restrictions

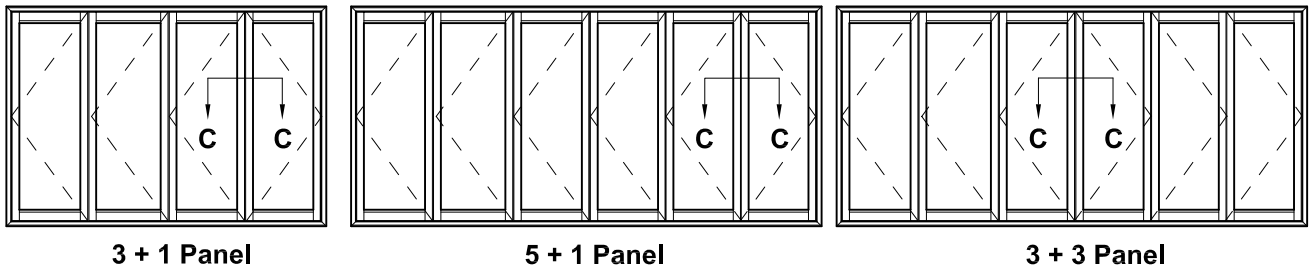
When the Lay-Back panels are opened fully they sit 22mm off the front face of the frame. For the vast majority of cladding options, this will not be an issue, but in the following options it will be:

- Brick Veneer
- Recessed EIFS (plaster clad Poly)
- Concrete Block
- Precast Concrete Panel

In these Claddings the frame will need to be installed with the facings over the face of the cladding, or recessed no more than 15mm as shown (to provide a minimum 7mm clearance when open).



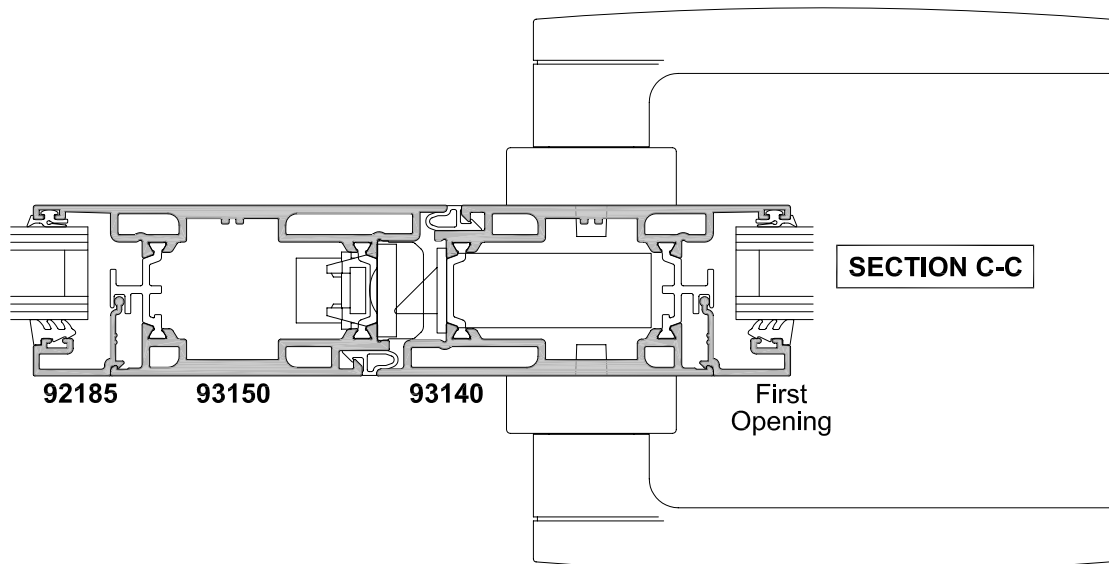
SECTION A-A



3 + 1 Panel

5 + 1 Panel

3 + 3 Panel

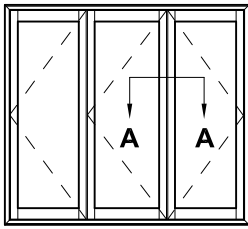


SECTION C-C

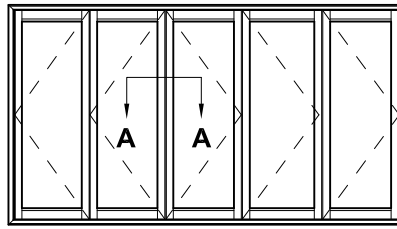
METRO THERMAL HEART, A600MT BI-FOLD DOOR MEETING STILES

CROSS SECTION

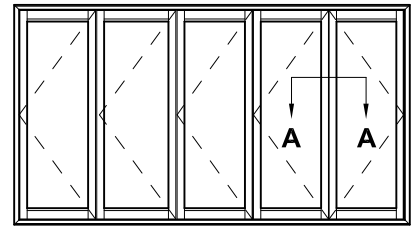
Cad Ref. ATBD06-0 Scale 1:2 Date 01.06.11



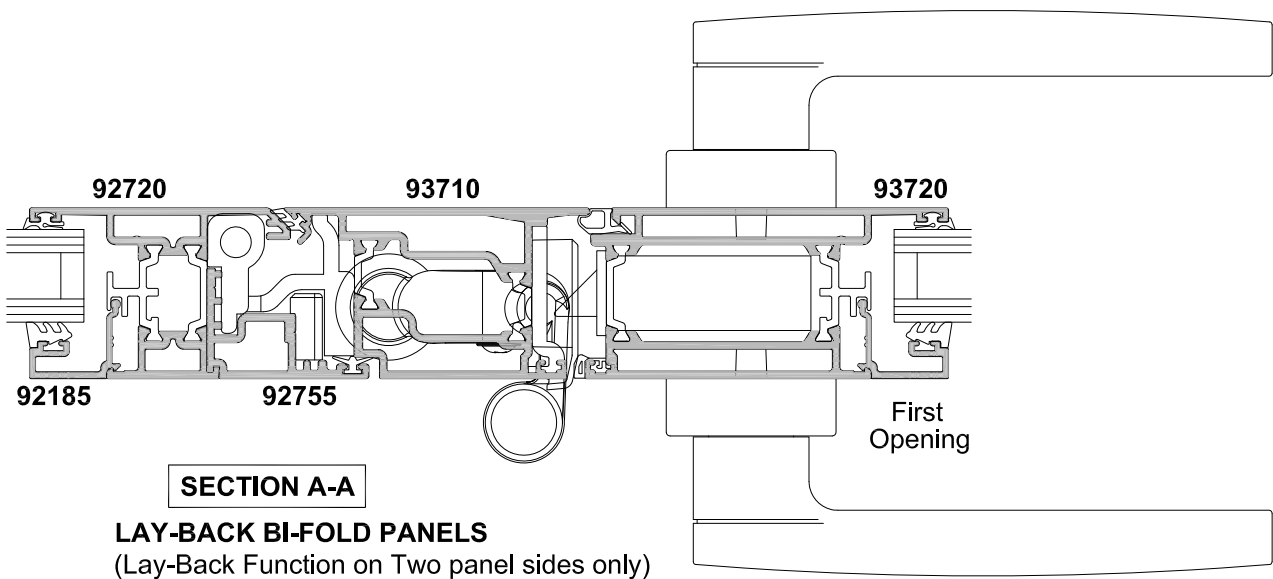
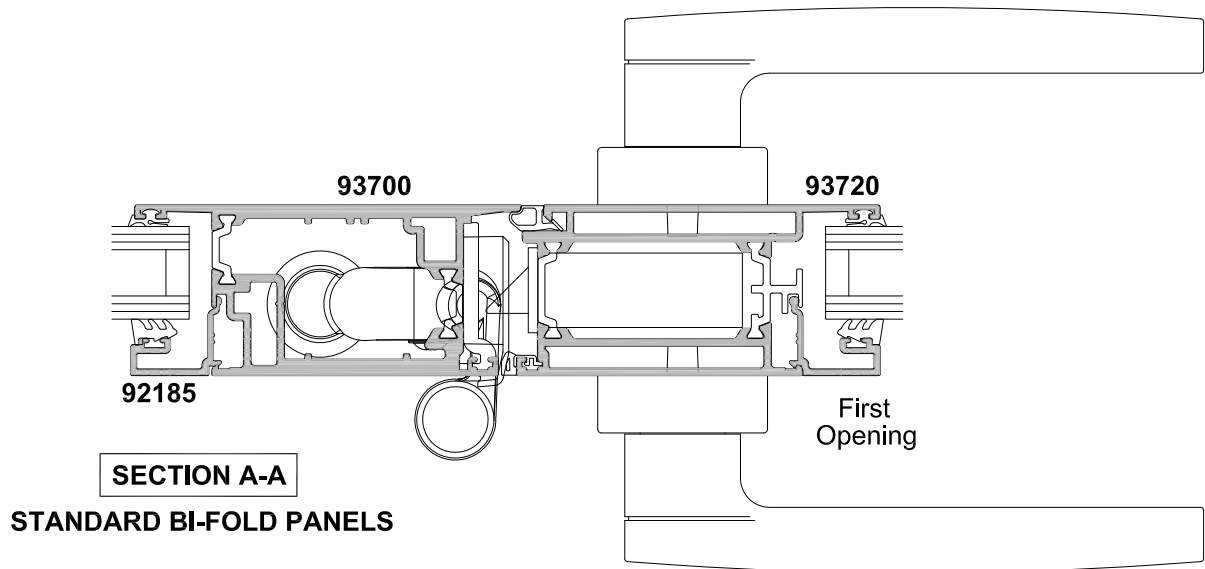
2 + 1 Panel



2 + 3 Panel

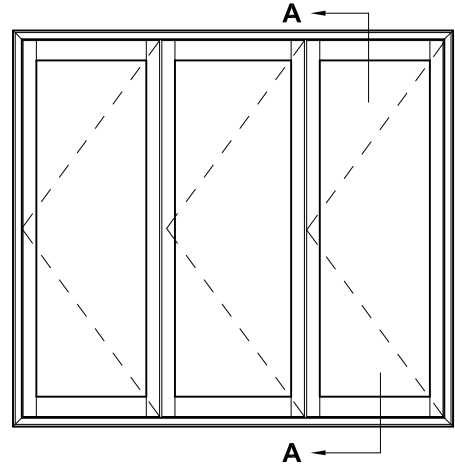
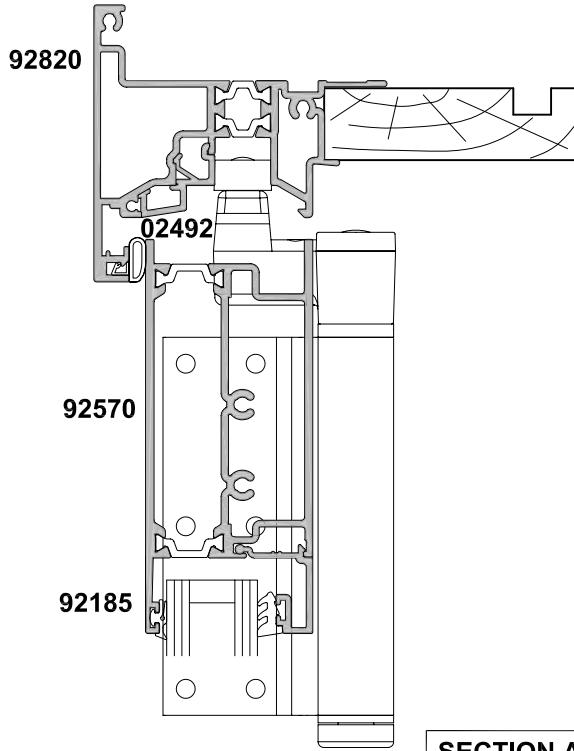


4 + 1 Panel



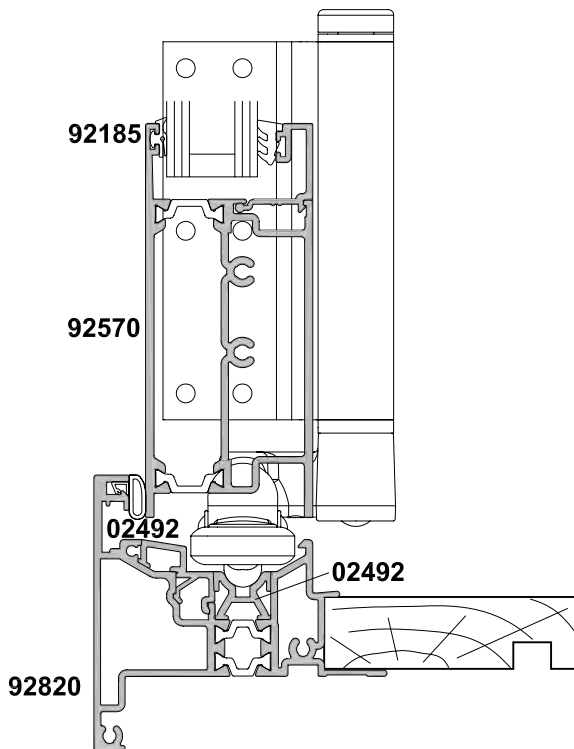
METRO THERMAL HEART, A620MT BI-FOLD DOOR OPEN IN CROSS SECTION

Cad Ref. ATBD07-0 Scale 1:2 Date 01.01.09



SECTION A-A

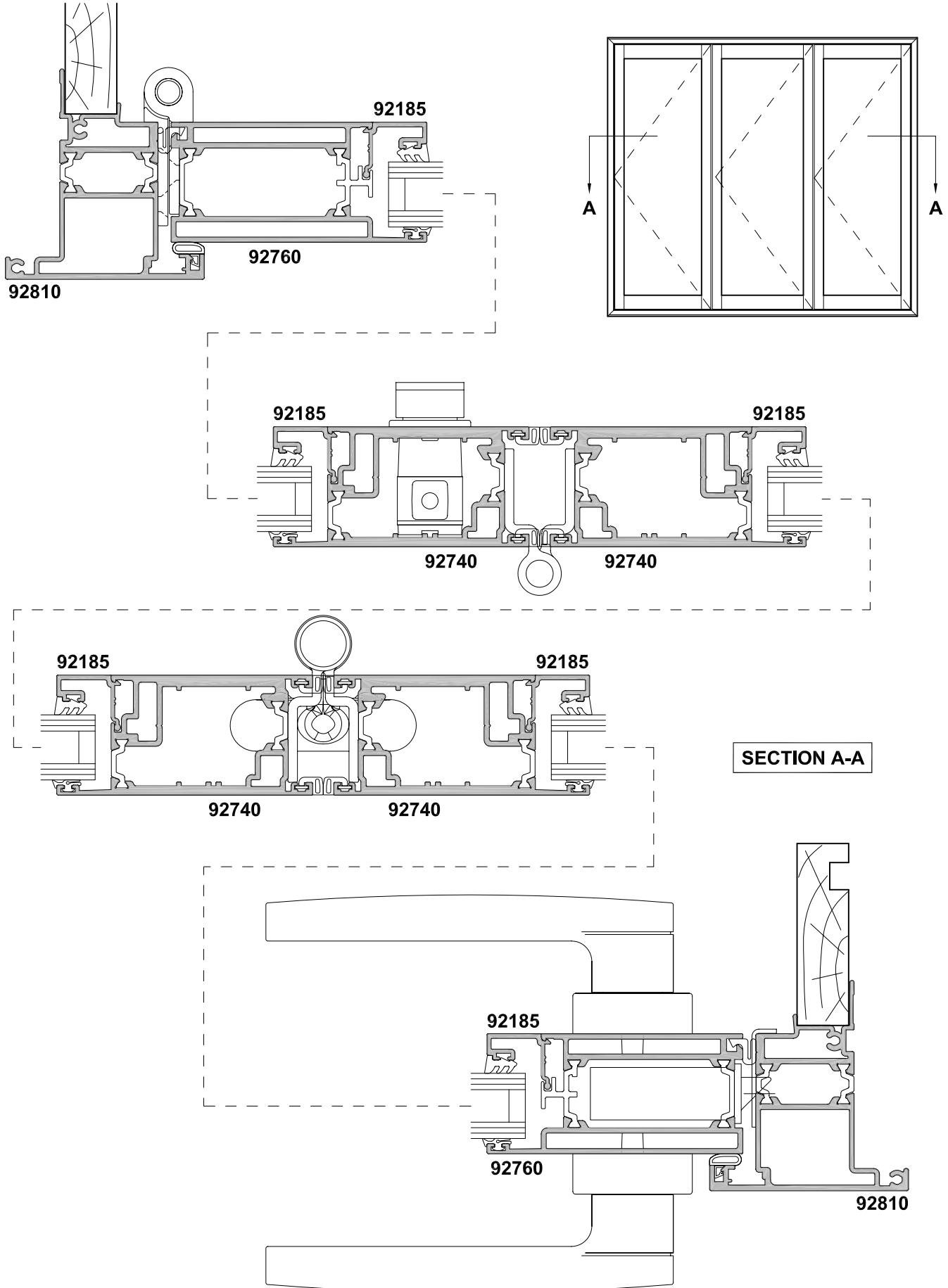
Refer to Hinge Door
Section for Vision Rail
Options



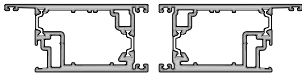
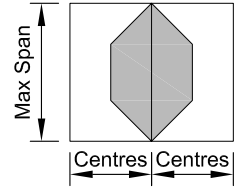
METRO THERMAL HEART, A620MT BI-FOLD DOOR THREE PANEL OPEN IN DOOR

CROSS SECTION

Cad Ref. ATBD08-0 Scale 1:2 Date 01.01.09

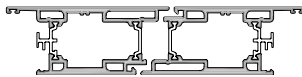
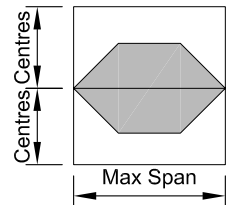


Extrusion: 92740 / 92740
Description: Bi-fold Door Stiles



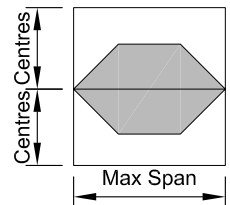
Centres	Spans for each wind zone			
	Low	Medium	High	Very High
500	3696	3377	3014	2771
600	3484	3185	2844	2616
700	3316	3032	2709	2493
800	3178	2907	2599	2393
900	3063	2803	2508	2310

Extrusion: 93140 / 93150
Description: French Stiles



Centres	Spans for each wind zone			
	Low	Medium	High	Very High
500	3585	3276	2924	2688
600	3380	3090	2759	2538
700	3217	2942	2629	2420
800	3084	2821	2523	2324
900	2972	2721	2435	2243

Extrusion: 92740 / 92700
Description: Two plus One Stiles



Centres	Spans for each wind zone			
	Low	Medium	High	Very High
500	3536	3231	2884	2652
600	3334	3048	2722	2504
700	3173	2902	2594	2387
800	3042	2784	2489	2293
900	2932	2684	2402	2214

Spans are the maximum calculated allowable, based on NZS4211:2008, which requires that the member deflection at serviceability wind pressure (SWP) shall not exceed 1/200 of the span. Hardware and componentry may further restrict the spans. For advice we recommend you contact APL Technical Advisory Service