

Barriers - Design limits for occupancy A/B/E/C3.

t	Max Glass Height H (mm)	Fixing/Clamp Spacing (mm)	
		Max x	
12mm	1000	400	
	1000	300	
15mm	1100	300	
	1200	300	

See note 15

Design loads to deck structure

BA112		BA130		Design Wind Pressure	
M* (kNm)	T* (kN)	M* (kNm)	T* (kN)	SLS Wind (kPa)	ULS Wind (kPa)
0.5	7.7	0.5	7.7	1.5	2.3
0.6	9.5	0.6	9.5	1.8	3.0
0.6	9.4	0.6	9.4	1.4	2.4
0.6	9.4	0.6	9.4	1.0	1.9

Pool Fence - Design limits based on occupancy A line load only.

t	Max Glass Height H (mm)	Fixing Dimensions	
		Max x	
12mm	1200	400	
15mm	1200	400	

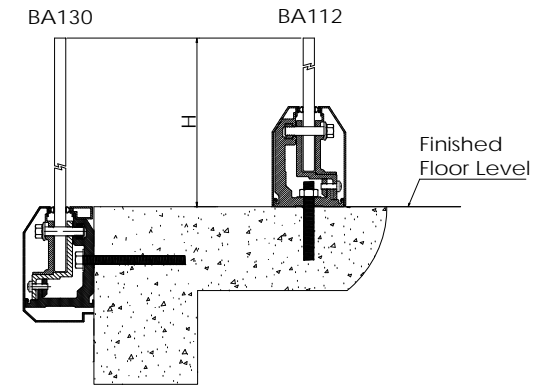
Design loads to deck structure

BA112		BA130		Design Wind Pressure	
M* (kNm)	T* (kN)	M* (kNm)	T* (kN)	SLS Wind (kPa)	ULS Wind (kPa)
0.3	8.5	0.3	6.3	0.7	1.0
0.4	11.9	0.4	8.8	1.0	1.4

NOTES

- 1 Glass is to be TempaFloat grade A toughened safety glass by Metro GlassTech.
- 2 Glass panels are at least 1000mm wide unless connected by an interlinking handrail.
- 3 Glass thicknesses shown are nominal thickness. Table is based on minimum tolerance as per NZS 4223.1:2008.
- 4 Heights (H) are measured from upper glass fixing centre to top of glass, as shown on the diagram.
- 5 SLS Deflection in the glass is restricted to 30mm excluding rotation in the supporting structure, unless otherwise stated.
- 6 Design loads are in accordance with AS/NZS 1170.1:2002 table 3.3 and NZBC B1/VM1.
- 7 Loadings are in accordance with DBH Practice Advisory 10 (Nov 2009).
- 8 For ULS wind pressures exceeding those shown, specific design is required.
- 9 Table only valid for use with BA112/BA130 proprietary channel.
- 10 M* denotes bending moment (kNm) around upper glass fixing to be taken by the supporting structure.
- 11 T* denotes maximum pull out load (kN) of fixings to be taken by the supporting structure.
- 12 This table does not take into consideration the structural integrity of the supporting structure.
Loads stated should be used as a guide only.
- 13 This table corresponds to fixing detail drawings BA112/C/RA, BA112/T/LS, BA112/T/RN, BA112/S/RN, BA130/C/RA, BA130/T/LS, BA130/T/RN, BA130/S/RN.
- 14 For designs outside the scope of this table specific design is required.

15 RESIDENTIAL APPLICATION ONLY (see note 7) - SLS Deflection in this instance is above usual limit of 30mm excluding rotation in the supporting structure.

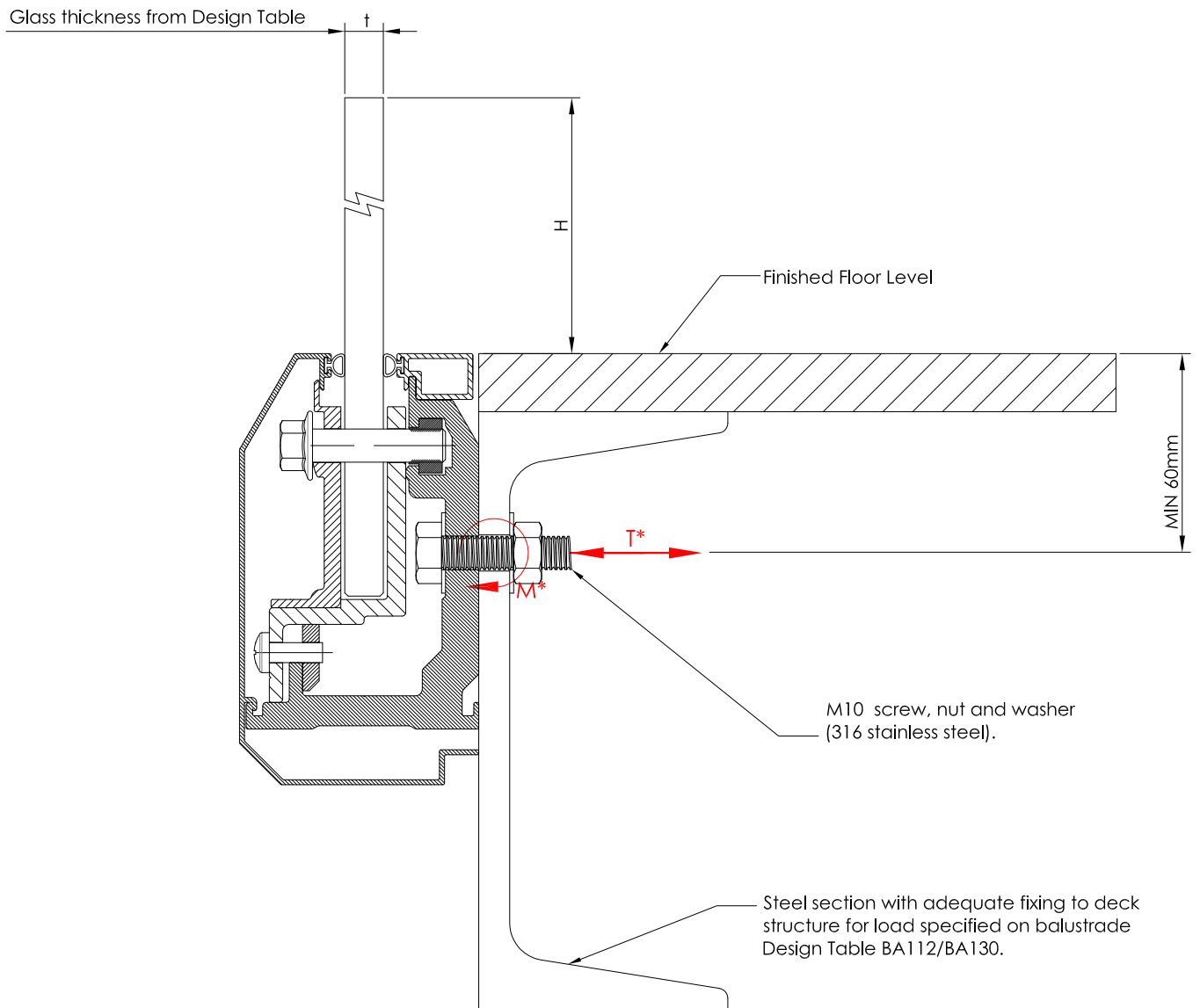




BA130 Series Channel Balustrade System STEEL Fixing Detail

Drawing No.: BA130/S/BN
Fixing Type: BA130 with bolt & nut
Occupancy: A, B, E, C3

Refer to Design Table BA112/BA130 for required glass thickness, fitting spacings and fixing loads according to AS/NZS 1170.1:2002 Occupancy Loads.



Note: Capacity of deck structure is to be of sufficient strength to support loads M^* and T^* specified on Design Table BA112/BA130. Deck capacity to be verified prior to fixing balustrade.

Max loading to comply with AS/NZS 1170.1:2002 Minimum Imposed Actions for Barriers Occupancy, shown at top of drawing, for design in accordance with Design Table BA112/BA130.

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