

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

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

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
	9.4		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.

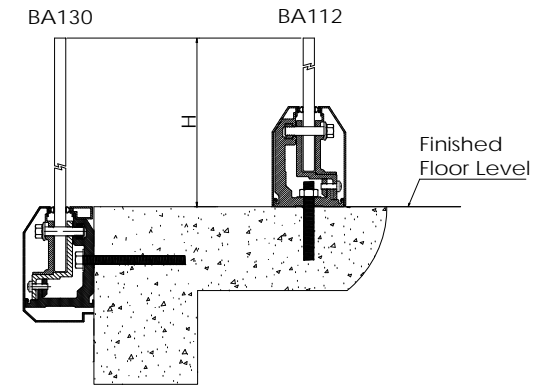
t	Max Glass Height H (mm)	Fixing Dimensions	
		Max x	
12mm	1200	400	
15mm	1200	400	

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

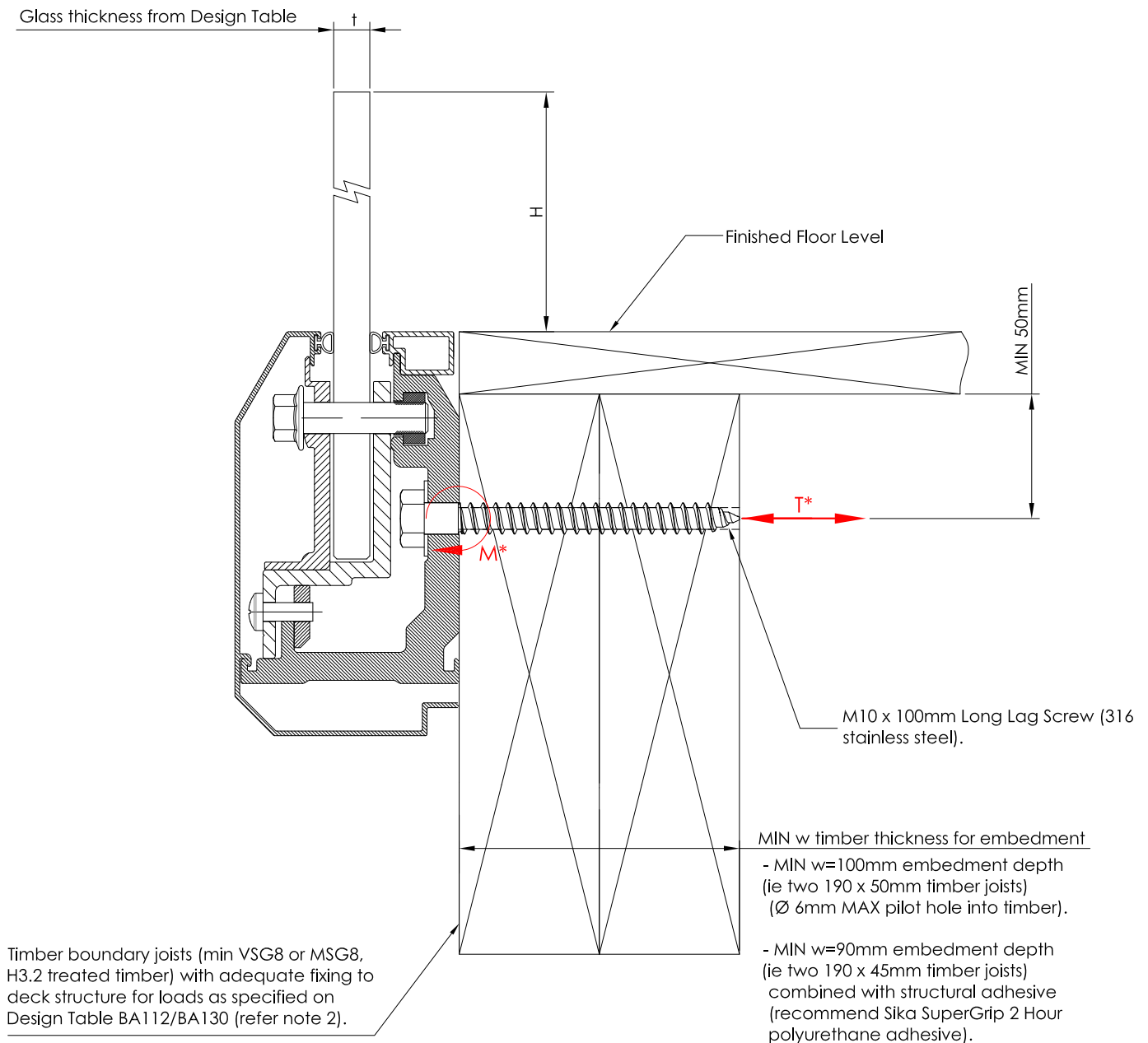
NOTES

- 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.



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



Notes:

- 1) 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.
- 2) Timber decks designed to NZS 3604:2011 guidelines will meet loading requirement, except for decks including cantilevered floor joists where specific design is required.
- 3) 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.