METROVIEW MINI POST SP160B BALUSTRADE SYSTEM

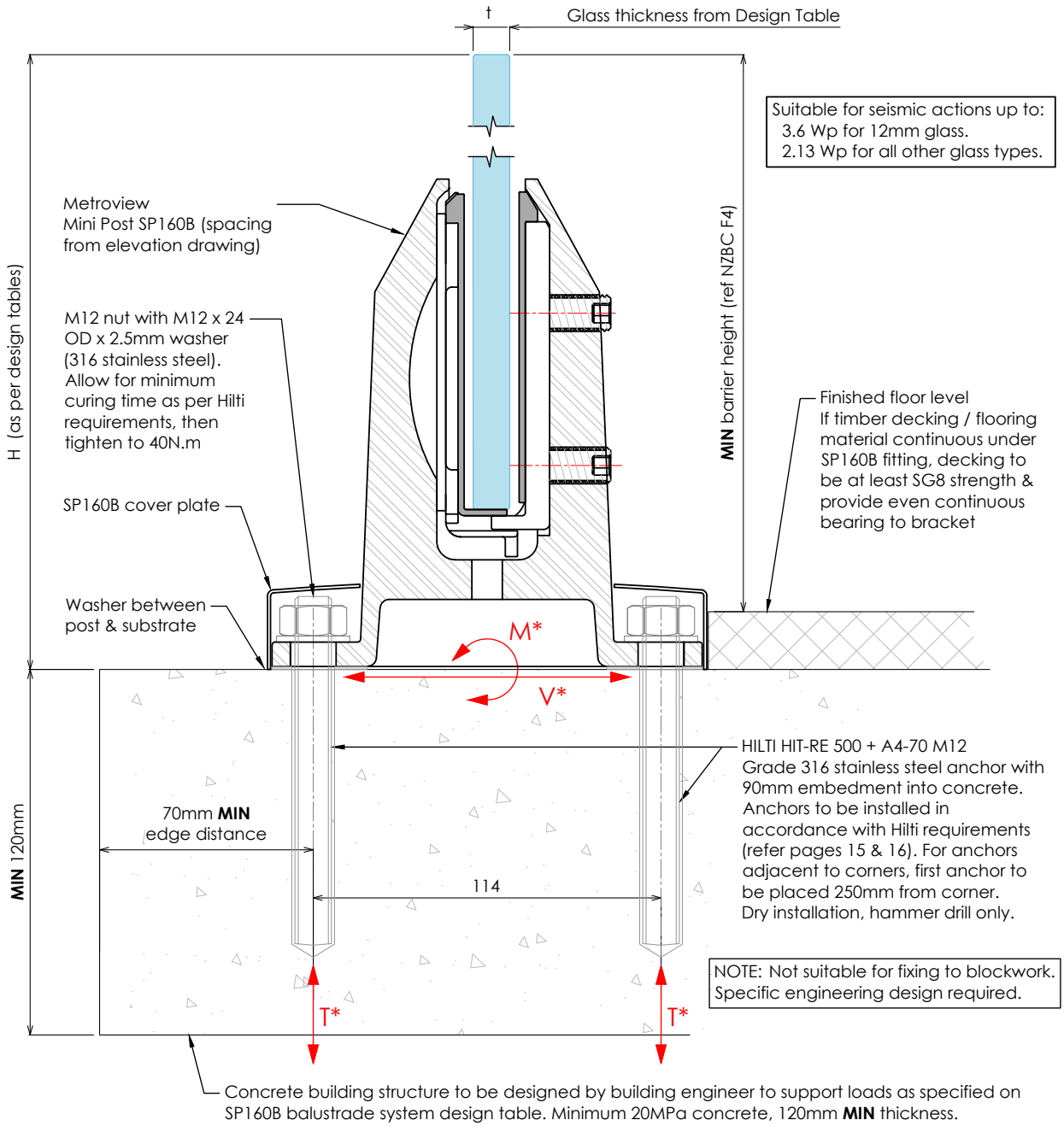
Concrete Fixing Detail

Drawing No.	Revision	Fixing Type	Occupancy
SP160B / C / RA–M12		SP160B with M12 rod anchor	A, B, E, C3

NOT SUITABLE FOR OCCUPANCY C1/C2, D OR C5

Refer to SP160B balustrade system design table for required glass thickness, fixing spacings and fixing loads according to AS/NZS 1170.1:2002 for the occupancies listed above.

NOTES: Refer to design tables and elevations for post failure requirements. Interlinking rail / clips not shown for clarity.
'H' refers to top of barrier.



Notes:

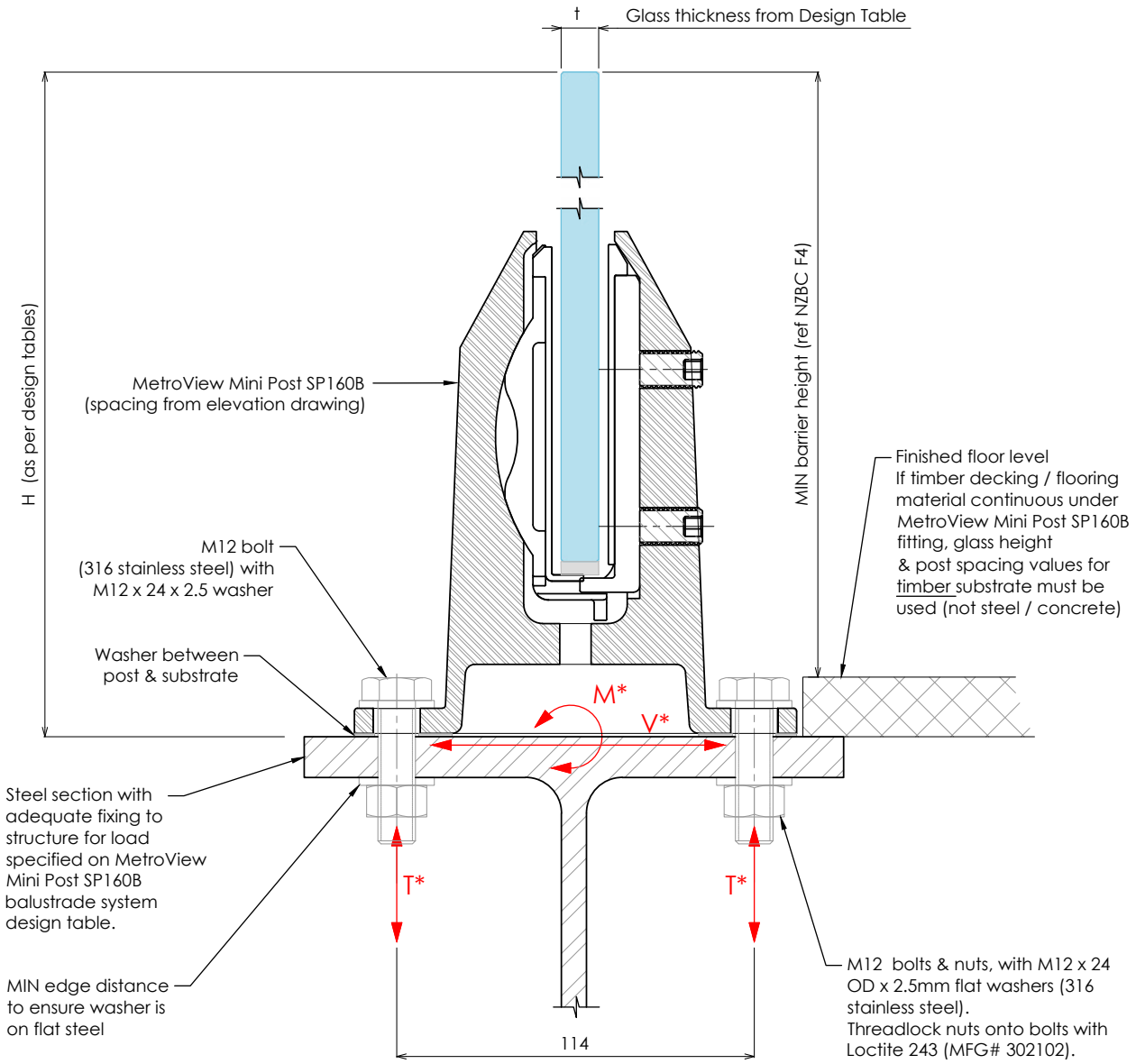
1) Capacity of structure is to be of sufficient strength to support loads M*, V* and T* specified on Metroview Mini Post SP160B balustrade system design table. Structure capacity to be verified by building engineer prior to fixing balustrade.
2) Max loading to comply with AS/NZS 1170.1:2002 Minimum Imposed Actions for Barriers Occupancy, shown at top of drawing, for design in accordance with Metroview Mini Post SP160B balustrade system design table.
3) No substitution allowed - any variation from the details above and design tables will require specific design.
4) Substructure designer to ensure that there is no water runoff from dissimilar metals or treated timber onto barrier components.

METROVIEW MINI POST SP160B BALUSTRADE SYSTEM

Steel Fixing Detail

Drawing No.	Revision	Fixing Type	Occupancy
SP160B / S (open) / BN	R6.1	SP160B with M12 bolt & nut	A, B, E, C3

NOT SUITABLE FOR OCCUPANCY C1/C2, D OR C5



Refer to MetroView Mini Post SP160B balustrade system design table for required glass thickness, fixing spacings and fixing loads according to AS/NZS 1170.1:2002 for the occupancies listed above. Refer to design tables and elevations for post failure requirements. Interlinking rail / clips not shown for clarity. 'H' refers to top of barrier.

NOTES:

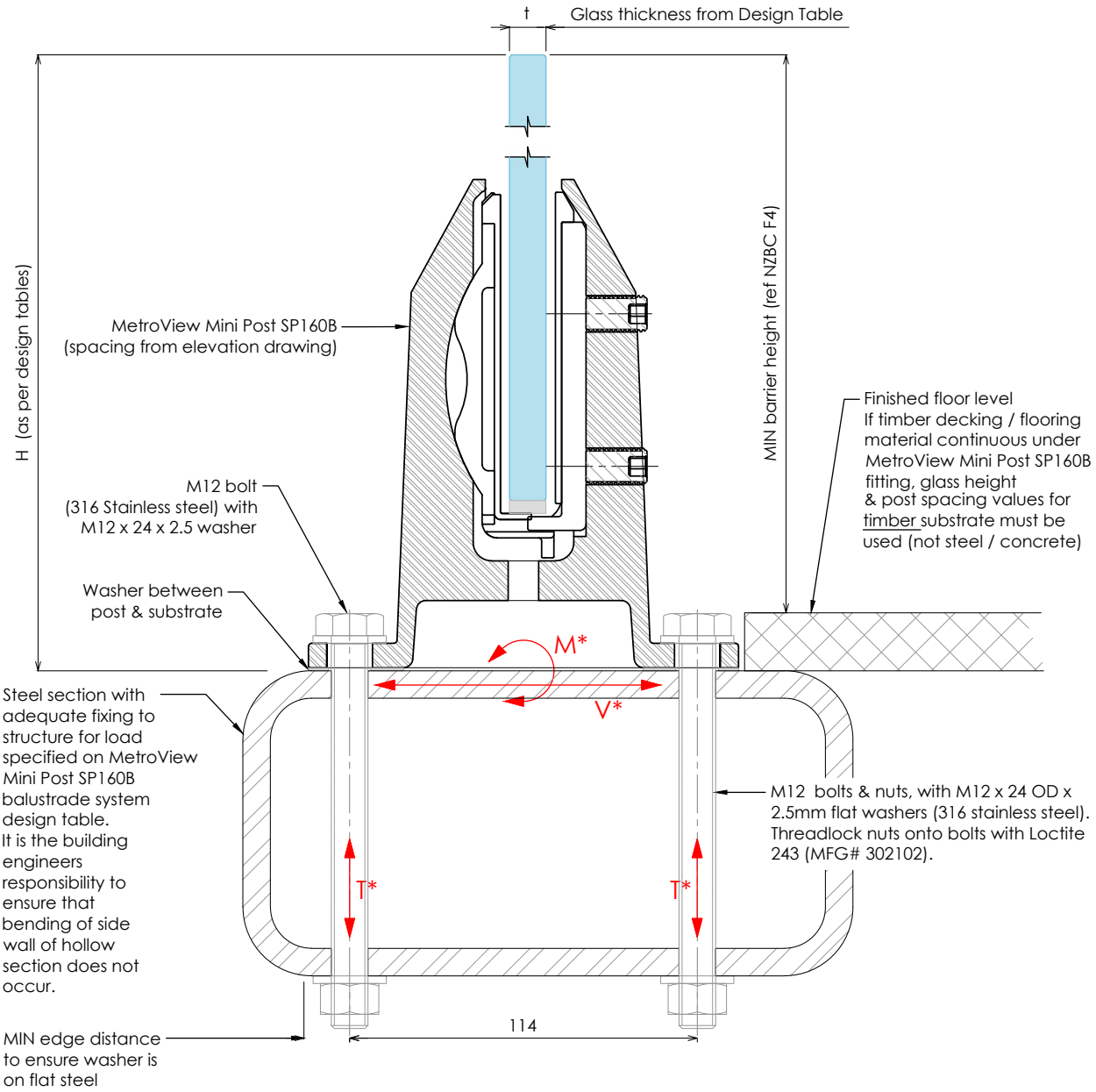
1) Capacity of structure is to be of sufficient strength to support loads M*, V* and T* specified on MetroView Mini Post SP160B balustrade system design table. Structure capacity to be verified by building engineer prior to fixing balustrade.
2) Max loading to comply with AS/NZS 1170.1:2002 Minimum Imposed Actions for Barriers Occupancy, shown at top of drawing, for design in accordance with MetroView Mini Post SP160B balustrade system design table.
3) Penetration through a membrane must be completed in accordance with written instructions of the membrane manufacturer.
4) For fixing to steel substrates, the installer shall ensure the bolts are tightened to a "snug-tight" level as defined in NZS3404.
5) No substitution allowed - any variation from the details above and design tables will require specific design.
6) Substructure designer to ensure that there is no water runoff from dissimilar metals or treated timber onto barrier components.

METROVIEW MINI POST SP160B BALUSTRADE SYSTEM

Steel Fixing Detail

Drawing No.	Revision	Fixing Type	Occupancy
SP160B / S (hollow) / BN	R6.1	SP160B with M12 bolt & nut	A, B, E, C3

NOT SUITABLE FOR OCCUPANCY C1/C2, D OR C5



Refer to MetroView Mini Post SP160B balustrade system design table for required glass thickness, fixing spacings and fixing loads according to AS/NSZ 1170.1:2002 for the occupancies listed above. Refer to design tables and elevations for post failure requirements. Interlinking rail / clips not shown for clarity. 'H' refers to top of barrier.

NOTES:

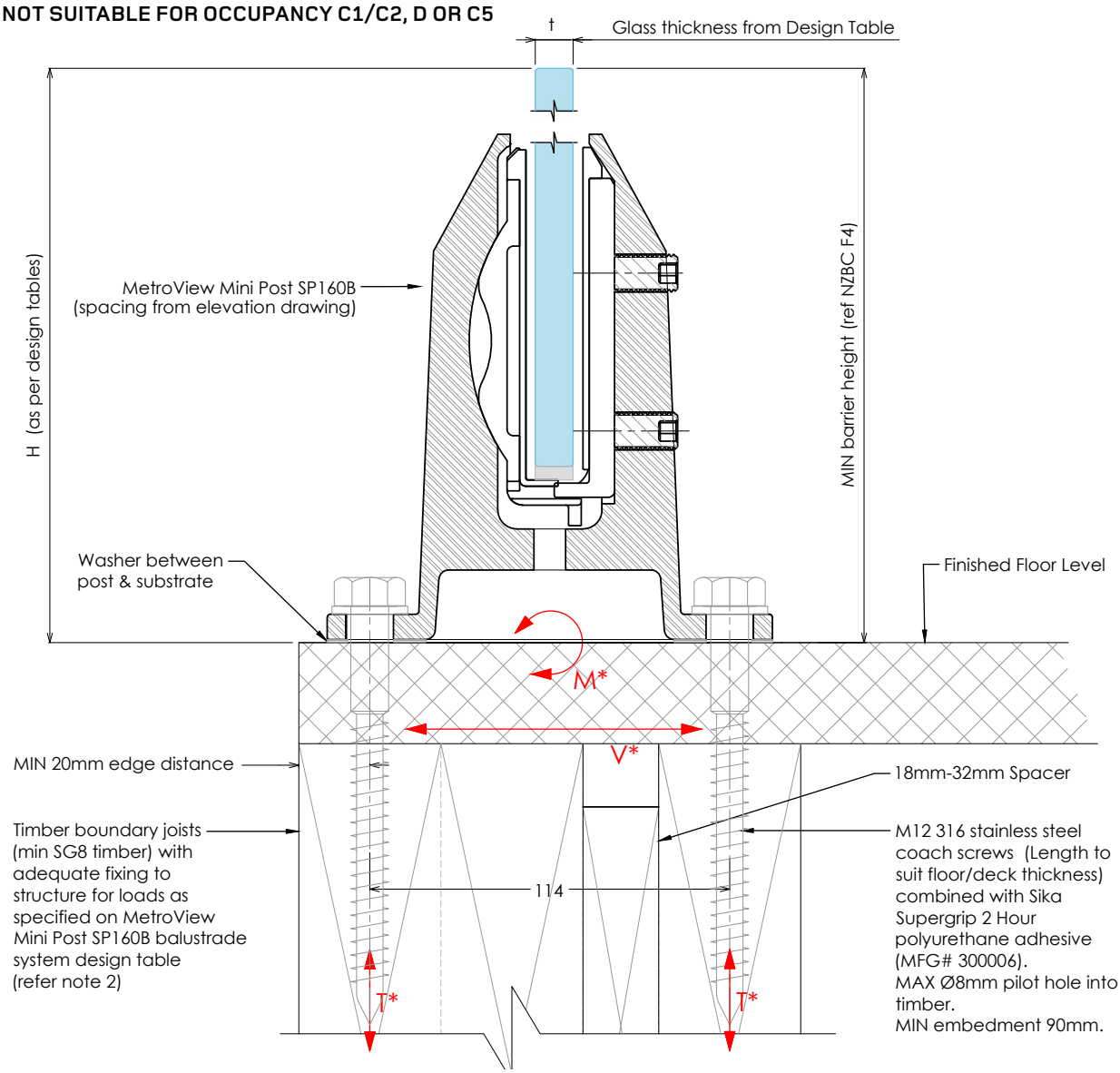
1) Capacity of structure is to be of sufficient strength to support loads M*, V* and T* specified on MetroView Mini Post SP160B balustrade system design table. Structure capacity to be verified by building engineer prior to fixing balustrade.
2) Max loading to comply with AS/NZS 1170.1:2002 Minimum Imposed Actions for Barriers Occupancy, shown at top of drawing, for design in accordance with MetroView Mini Post SP160B balustrade system design table.
3) Penetration through a membrane must be completed in accordance with written instructions of the membrane manufacturer.
4) For fixing to steel substrates, the installer shall ensure the bolts are tightened to a "snug-tight" level as defined in NZS3404.
5) No substitution allowed - any variation from the details above and design tables will require specific design.
6) Substructure designer to ensure that there is no water runoff from dissimilar metals or treated timber onto barrier components.

METROVIEW MINI POST SP160B BALUSTRADE SYSTEM

Timber Fixing Detail

Drawing No.	Revision	Fixing Type	Occupancy
SP160B / T / CS	R6.1	SP160B with coach screw	A, B, E, C3

NOT SUITABLE FOR OCCUPANCY C1/C2, D OR C5



Refer to MetroView Mini Post SP160B balustrade system design table for required glass thickness, fixing spacings and fixing loads according to AS/NZS 1170.1:2002 for the occupancies listed above. Refer to design tables and elevations for post failure requirements. Interlinking rail / clips not shown for clarity. 'H' refers to top of barrier.

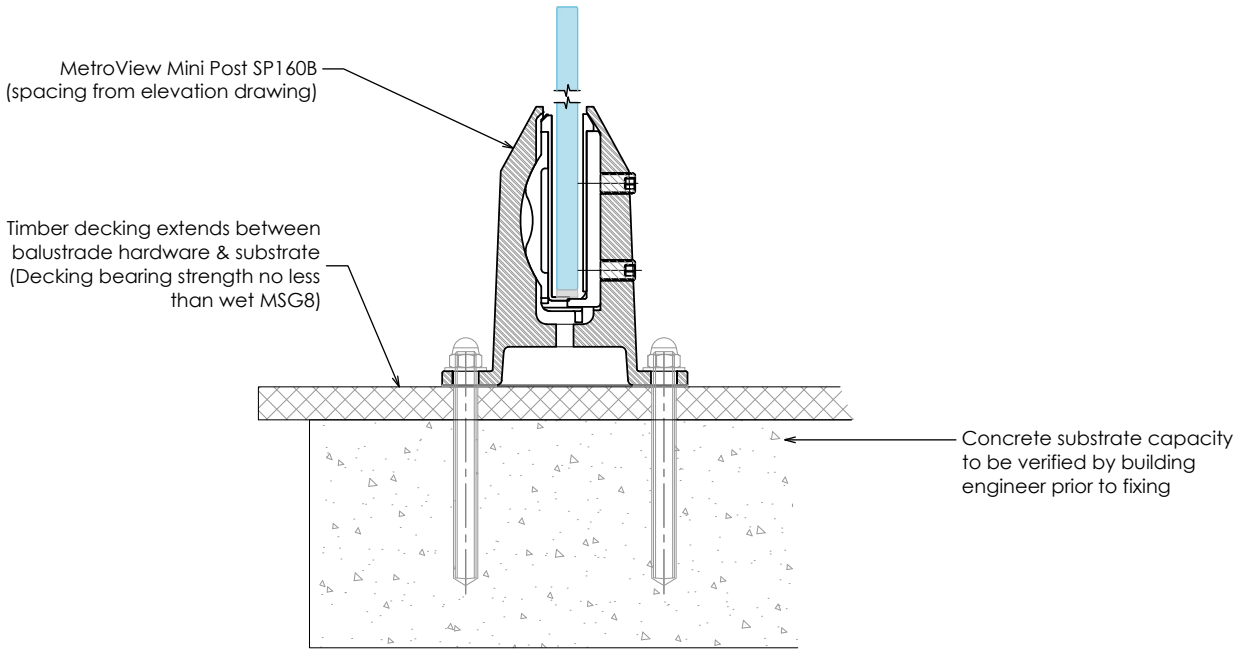
NOTES:

1) Capacity of structure is to be of sufficient strength to support loads M*, V* and T* specified on MetroView Mini Post SP160B balustrade system design table. Structure capacity to be verified by building engineer, or where applicable or checked to NZS3604 requirements prior to fixing balustrade.
2) Timber decks designed to NZS 3604:2011 guidelines will meet loading requirement. Additional blocking required for inner fixing.
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 MetroView Mini Post SP160B balustrade system design table.
4) Penetration through a membrane must be completed in accordance with written instructions of the membrane manufacturer.
5) For fixing to timber substrates, the installer shall ensure that the bolt / coach screw is sufficiently tightened to reduce movement of the bolt head and washer. Care should be taken not to over tighten the fixings that would cause crushing of the timber or compromise the thread leading to anchor pull-out.
6) No substitution allowed - any variation from the details above and design tables will require specific design.
7) Fixings to timber must be re-tightened 2 months after installation and periodically thereafter to allow for timber shrinkage.
8) Substructure designer to ensure that there is no water runoff from dissimilar metals or treated timber onto barrier components.

METROVIEW MINI POST SP160B BALUSTRADE SYSTEM

Concrete / Steel with Timber Decking

CONCRETE WITH TIMBER DECKING INSTALLATION DETAILS



NOTE: TIMBER DESIGN TABLE VALUES MUST BE USED NOT STEEL OR CONCRETE

STEEL WITH TIMBER DECKING INSTALLATION DETAILS

