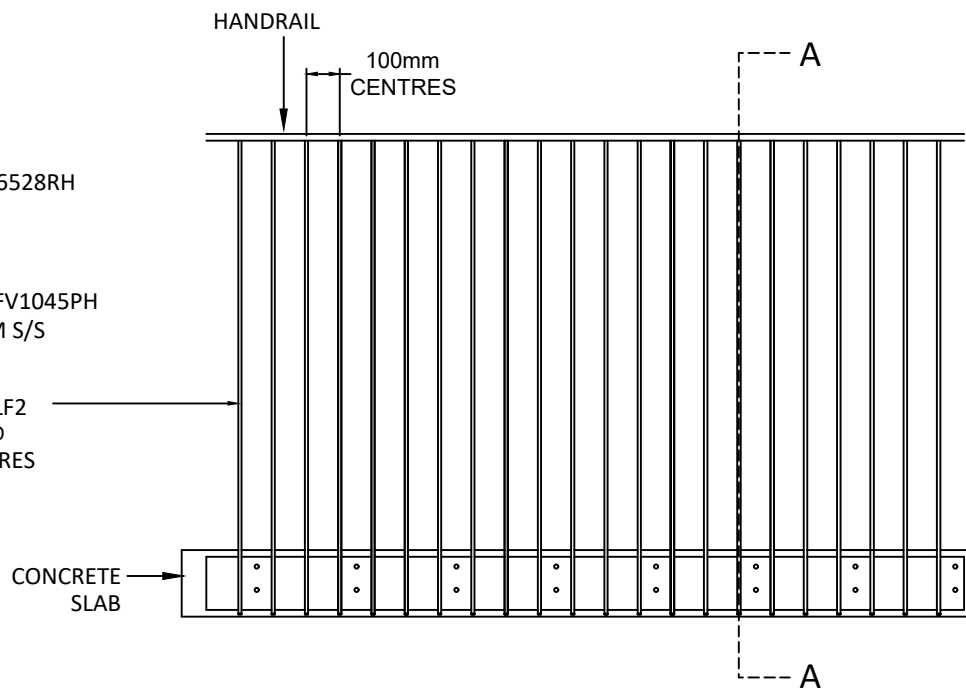
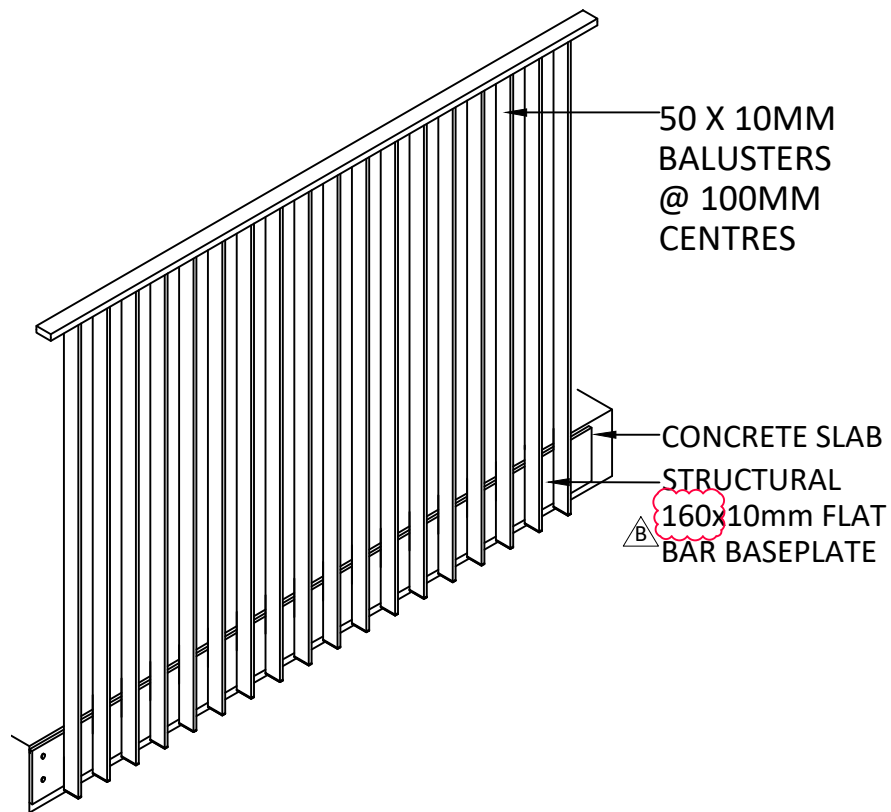


SECTION A-A
SCALE: 1:2



ELEVATION
SCALE: 1:16



ISOMETRIC VIEW
SCALE: 1:16

6. WHEN AXIOM PRODUCTS ARE CONCEALED OR IN CONTACT WITH SCREED, TILE BED OR ANY ITEMS THAT COULD CAUSE CORROSION, IT IS THE INSTALLERS RESPONSIBILITY ADEQUATELY PROTECT AXIOM PRODUCTS TO PREVENT ANY CORROSION.
7. IT IS THE INSTALLERS RESPONSIBILITY TO ENSURE THAT ANY DISSIMILAR METALS ARE KEPT SEPARATED. AXIOM GROUP RECOMMENDS THE USE OF NYLON WASHERS TO KEEP DISSIMILAR METALS SEPARATED.
8. THE CONTRACTOR SHALL LOCATE AND MARK REINFORCEMENT AND P/T TENDONS / DUCTS PRIOR TO DRILLING EXISTING CONCRETE FOR INSTALLATION OF POST-FIXED ANCHORS. USE FERRO SCANNING OR SIMILAR TECHNIQUE AS REQUIRED.
9. BUILDER MUST VERIFY ALL DIMENSIONS AT THE JOB BEFORE COMMENCING ANY WORK SHOWN HEREON. THIS DRAWING SHALL NOT BE USED FOR SETOUT PURPOSES. DO NOT SCALE THE DRAWING.
10. ANCHORS TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATION. HAMMER DRILL SHALL BE USED FOR CORING ANCHOR HOLES. DIAMOND DRILL OR SMOOTH HOLE FINISH NOT PERMITTED.
11. FOR BALUSTRADE ASPECT RATIO (CONTINUOUS RUN LENGTH / HEIGHT OF BALUSTRADE) > 5, EACH END OF THE BALUSTRADE (TOP OF POST OR HANDRAIL) MUST BE EITHER FIXED TO
 - (a) PERMANENT STRUCTURE WITH MIN. LATERAL CONNECTION CAPACITY OF 1.6KN (ULS), OR
 - (b) RETURN BALUSTRADE WITH LENGTH > HEIGHT OF THE LONGITUDINAL BALUSTRADE. RETURN BALUSTRADE NEED NOT TO BE FIXED TO PERMANENT STRUCTURE, OR
 - (c) RETURN BALUSTRADE WITH LENGTH < HEIGHT OF THE LONGITUDINAL BALUSTRADE, RETURN BALUSTRADE MUST BE FIXED TO PERMANENT STRUCTURE WITH MIN. LATERAL CONNECTION CAPACITY OF 1.6KN (ULS).
12. FOR DESIGNING BALUSTRADE ANCHORS SHOWN IN THIS DRAWING, AXIOM GROUP HAS MADE AN ASSUMPTION THAT THE CONCRETE SLAB SUPPORTING THE BALUSTRADE HAS BEEN DESIGNED WITH REINFORCEMENT TO LIMIT THE CRACK WIDTH TO WK ~0.30MM. PROJECT ENGINEER TO VERIFY THAT THE CONCRETE SLAB HAS BEEN DESIGNED WITH THE REINFORCEMENT TO LIMIT THE CRACK WIDTH TO WK ~0.30MM AS PER AS 3600 TABLE 8.6.2.2(A).

NOTES:

1. GLASS MUST BE BLOCKED AND SET IN FRAME IN ACCORDANCE WITH AS1288 TO ENSURE THE GLASS CAN NOT DISLODGE.
2. ADDITIONAL REQUIREMENTS FOR TOUGHENED SAFETY GLASS ARE REQUIRED WHERE THE BALUSTRADE IS MORE THAN 5 METRES ABOVE GROUND LEVEL. REFER AS1288 / AMDT. 2 / CLAUSE 3.8
3. ALL ALUMINIUM TO BE 6106 T6 GRADE U.N.O. ALL FIXINGS TO BE A4 / 316 STAINLESS STEEL U.N.O.
4. DESIGNED FOR C3 CLASSIFICATION BARRIER IN ACCORDANCE WITH AS1170.1
 - DESIGNED HORIZONTAL LIVE LOAD = 0.75kN/m
 - DESIGNED INFILL LIVE LOAD = 1.0 kPa
 - DESIGNED FOR WIND IN ACCORDANCE WITH AS1170.2
 - RETURN PERIOD 500 YEARS
 - PRESSURE COEFFICIENT, Cp,n = 1.8
5. TOP OF HANDRAIL TO BE 1000mm MIN. FROM FFL.

LOADING CASE (ULS)	BENDING MOMENT (M*)	SHEAR FORCE (V*)	DIRECTION
	kN.M/M	kN/M	
BARRIER			(-)
WIND			(+)

NOTE: LOADS ARE APPLIED ON THE CONNECTION POINT TO THE CONCRETE.

REVISIONS:

- A
- B

REV	ISSUE	DATE:
A	PRELIMINARY	21/07/2021
B	UPDATED DRAWING	20/08/2021

CLIENT: -----

PROJECT: -----



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DRAWING TITLE:
"SD10-05" BALUSTRADE ELEVATION AND DETAILS

DRAWING NO.:	DESIGNED BY:	HB
SD10-05	DRAWN BY:	JAY