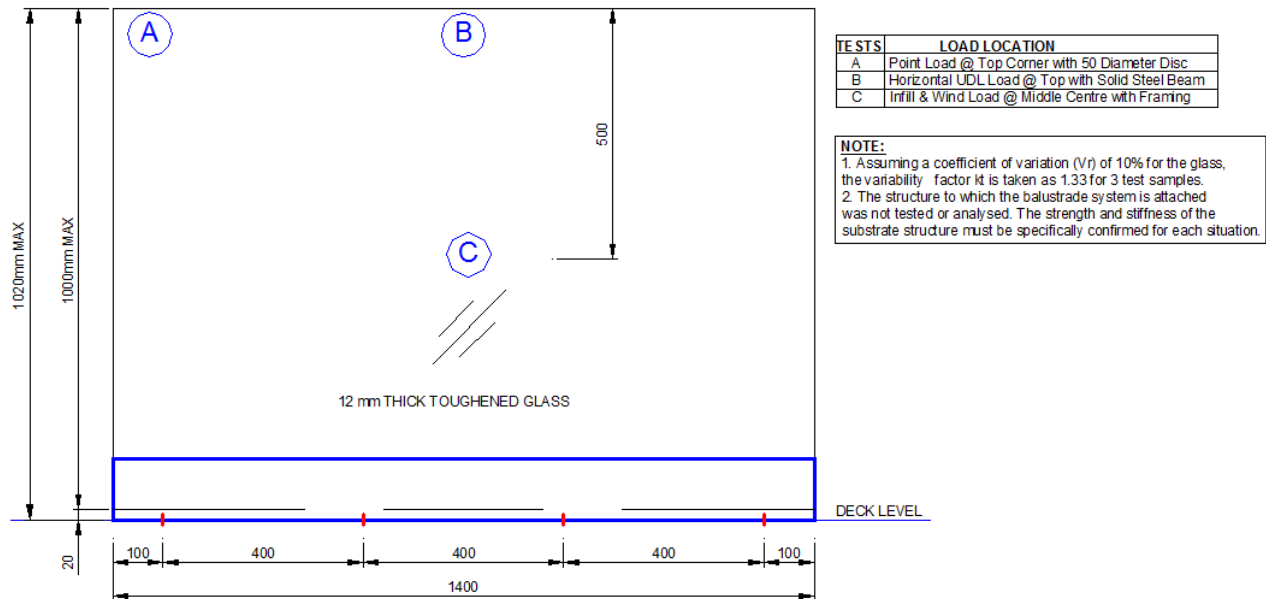


4. TESTS ARRANGEMENT & RESULTS

4.1 EXTERNAL BALUSTRADE



TEST RESULTS (Fracture Check)

Tests	Target Load (Kg)	Duration (mins)	Observation for Samples 1,2,3
A	122.0	16	No Fracture
B	213.5	16	No Fracture
C	292.4	16	No Fracture

TEST RESULTS (Deflection Check)

Tests	Target Load @ SLS (Kg)	Deflection @ Top			Remarks
		Sample 1	Sample 2	Sample 3	
A	61.2	24	23	24	Passed
B	107.0	31	32	29	Passed
C	158.0	18	17	18	Passed

Allowable Deflection = $H/30 = 34$ mm

Based on the testing, the external balustrade with 12 mm thick toughened Grade A Safety Glass and CGS SMART RAIL Clear Surface Mounted Frameless Glass Channel is sufficient

for the following:

- Occupancy types A, B, C3
- Up to Max High Wind