## 🔔 Quality Alert



## Failed wall 2

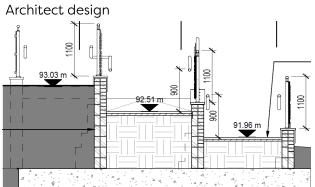


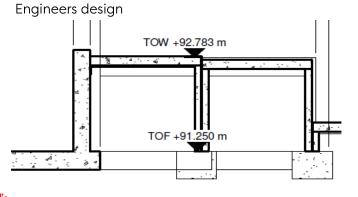
Initial inspection found the following:

- 1. Debonded brickwork
- 2. Extensive horizontal and vertical / stepped cracking
- 3. The grout used to retain the balustrade posts was crumbling and holding moisture (expanding grout used)
- 4. The balustrade post have been set into a 225 mm wall structure
- 5. No Substructure drainage behind the wall was installed at the time of build

Review of the wall design and evidence collated found the following:

- 1. The wall has been built mainly to the Architect detail instead of the structural engineers drawing
- 2. The structural engineers drawing showed a different installation all together
- 3. When the install was questioned with the structural engineer it was deemed as unsound and needs redesigning.
- 4. No evidence found of agreed changes to the wall design
- 5. Some drain holes were cored in later but do not pass through into the substrate
- 6. Drainage channel was installed to the ramp to capture surface water





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This advice should be used, where the above is applicable, and the information discussed with your team highlighting the following points:

- Fully understanding the design before proposing changes and the consequences of those changes
- Ensure the changes are agreed through the change control process
- Ensure the changes are collated and issued as, as built

Toolbox Talk Packages (put an 'x' next to the related work packages)

100	Toolbox Talk Packages (put an x next to the related work packages):													
Х	Brickwork / Blockwork		Doors & Windows		Roof	X	Drainage		Frames		Roads, Paths, Pavings & Surfacings		Site preparation works	
Х	Substructure		FFE		Flooring		Internal walls & partitions, Ceilings		Joinery / General Carpentry		Painting		Fire & Lightning protection	
	Walling (Tiling)		Electrical installations		Services / Systems		Water installations		DFMA (Offsite Manufacture)	Х	Design		Miscellaneous	

