



Notes

Three separate reinforced re-constituted stone slabs to be positioned as shown. 2 number 1750mm x 875mm x 90mm thick slabs (slabs A) and 1 No 800mm x 875mm (toothed) x 90mm thick (slab B) by specialist, such as Haddonstone.

Slabs to be rebated/notched on edge to provide shear key at junction between adjacent stone slabs.

Provide drip to leading edge and underside of slab as existing.

Note that the original slab would have been built into the main walls during construction and to achieve the same detail would require substantial reconstruction of the front elevation which is not considered viable. The stone slabs will therefore be restrained into the building by steel angle on the rear (inside) edge, bolted to the brickwork to resist upwards forces generated by the cantilever effect.

In addition 5 No evenly spaced steel T section brackets will be provided under the slab, either bolted to sound brickwork via plates or if the brickwork is not sound (after opening up) the brickwork will be locally rebuilt and the T sections cast into the locally rebuilt brickwork.

In this way the stone cantilever slabs are supported both by embedment into the existing brickwork and by the T section brackets.

Sequence

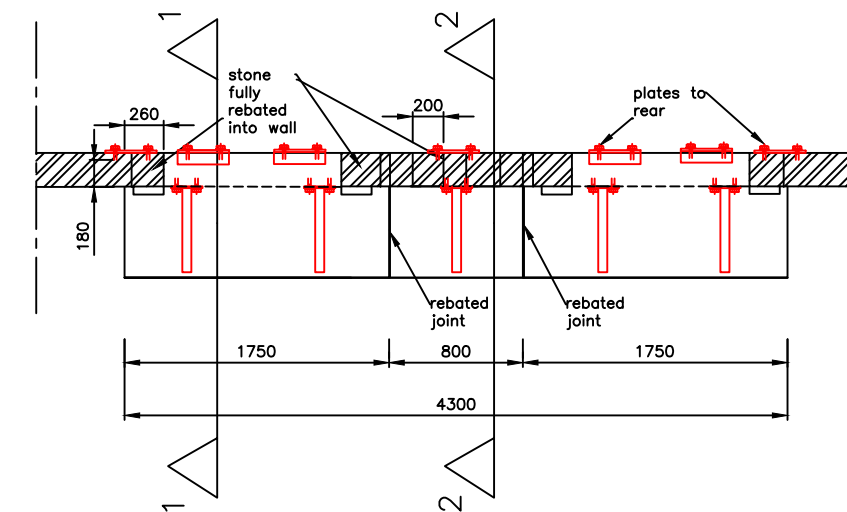
Reconstituted stone Slab A to be positioned over window reveals and embedded into window edges as shown. The slab will then be restrained internally by steel plate and bolts.

Stone to be supported by scaffold during construction.

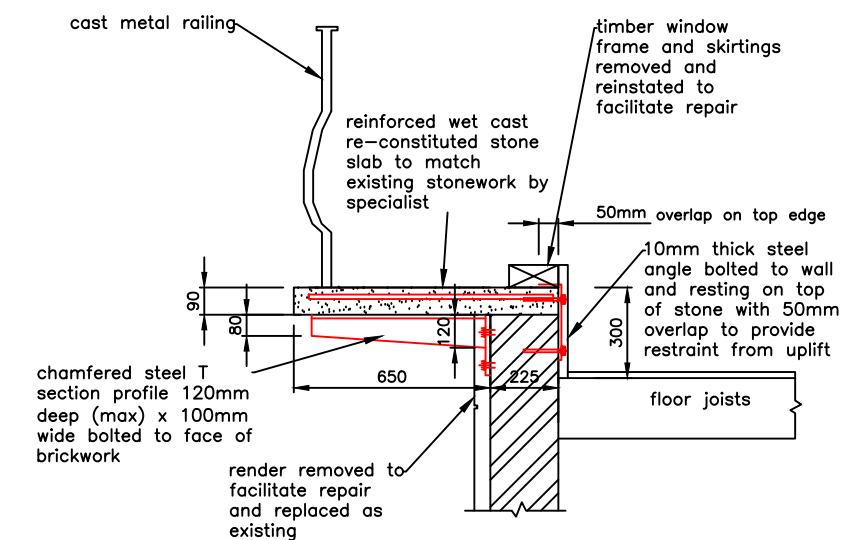
Once slabs A have been installed, slab B to be installed, rebated/toothed into existing wall as shown, and connected to slabs A via notched shear key and installed in sequence so that wall loads are transferred safely during all stages of construction

(GACL) Structural Engineering

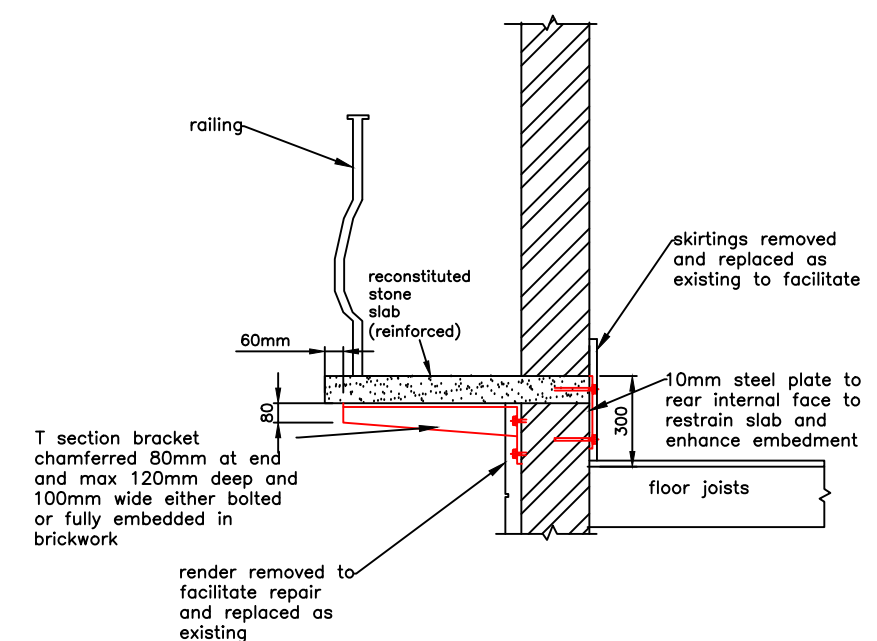
Project Name	Balcony re-instatement
Address and Client	69 Albert Street (Plowden)
Drawing Number 1218/01	Rev - Date Nov 2023



Plan View of Balcony Structure (1:50)



Section 1-1 through window reveal (1:25)



Section 2-2 through pocketed balcony slab embedded in brick wall (1:25)