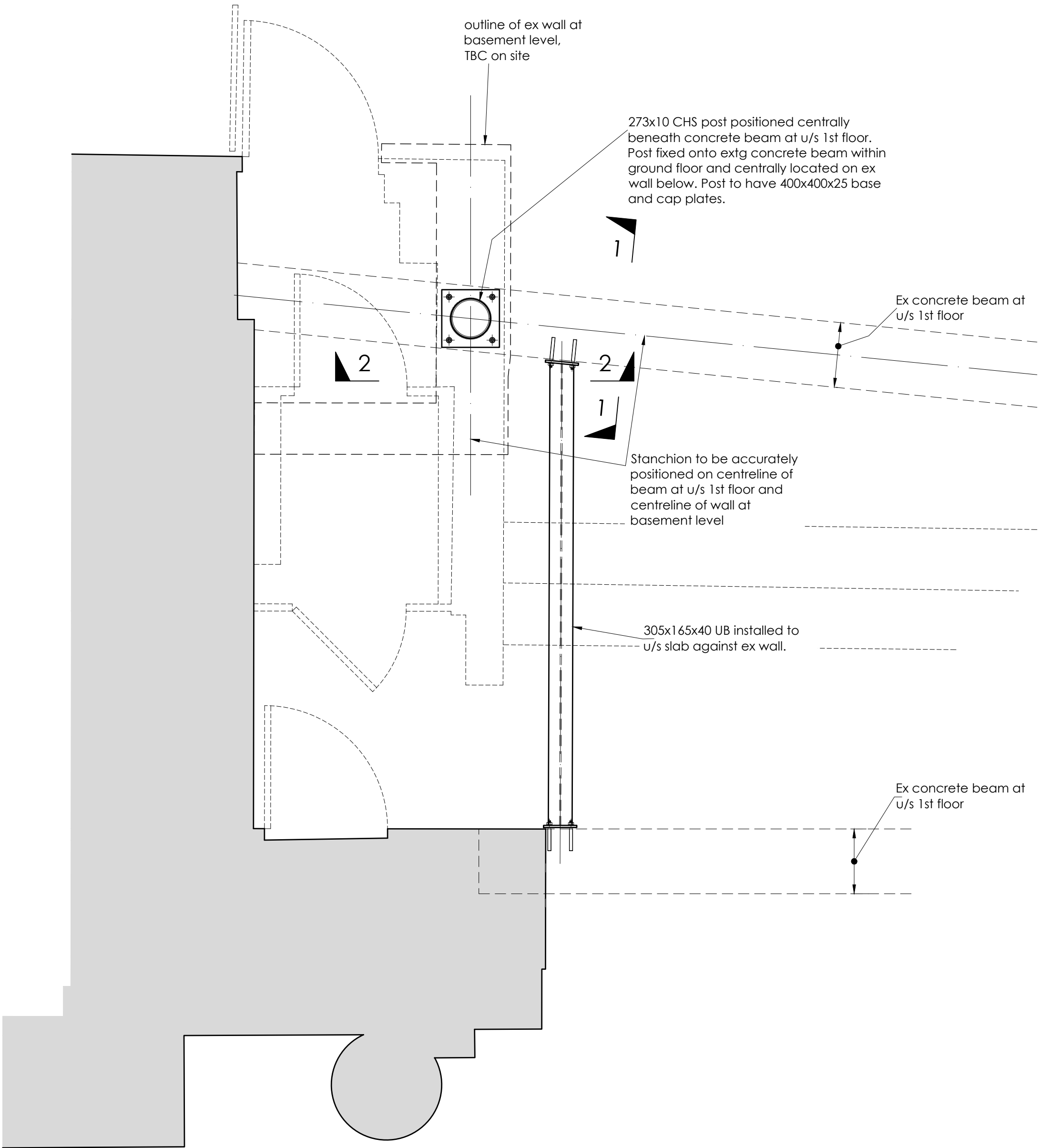




Plan on Wall Removal and Stanchion Installation at Entrance
1:25 at A1

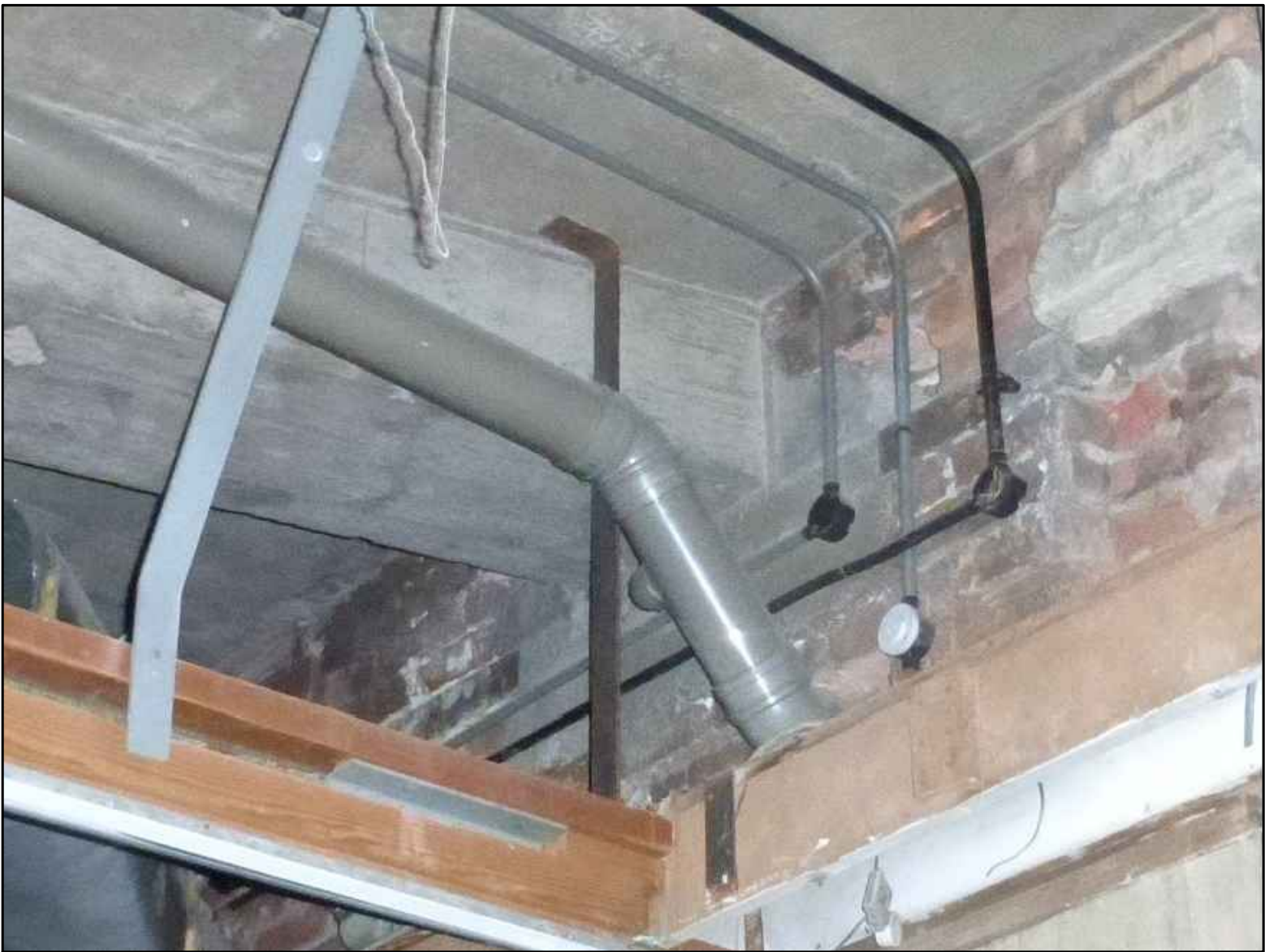
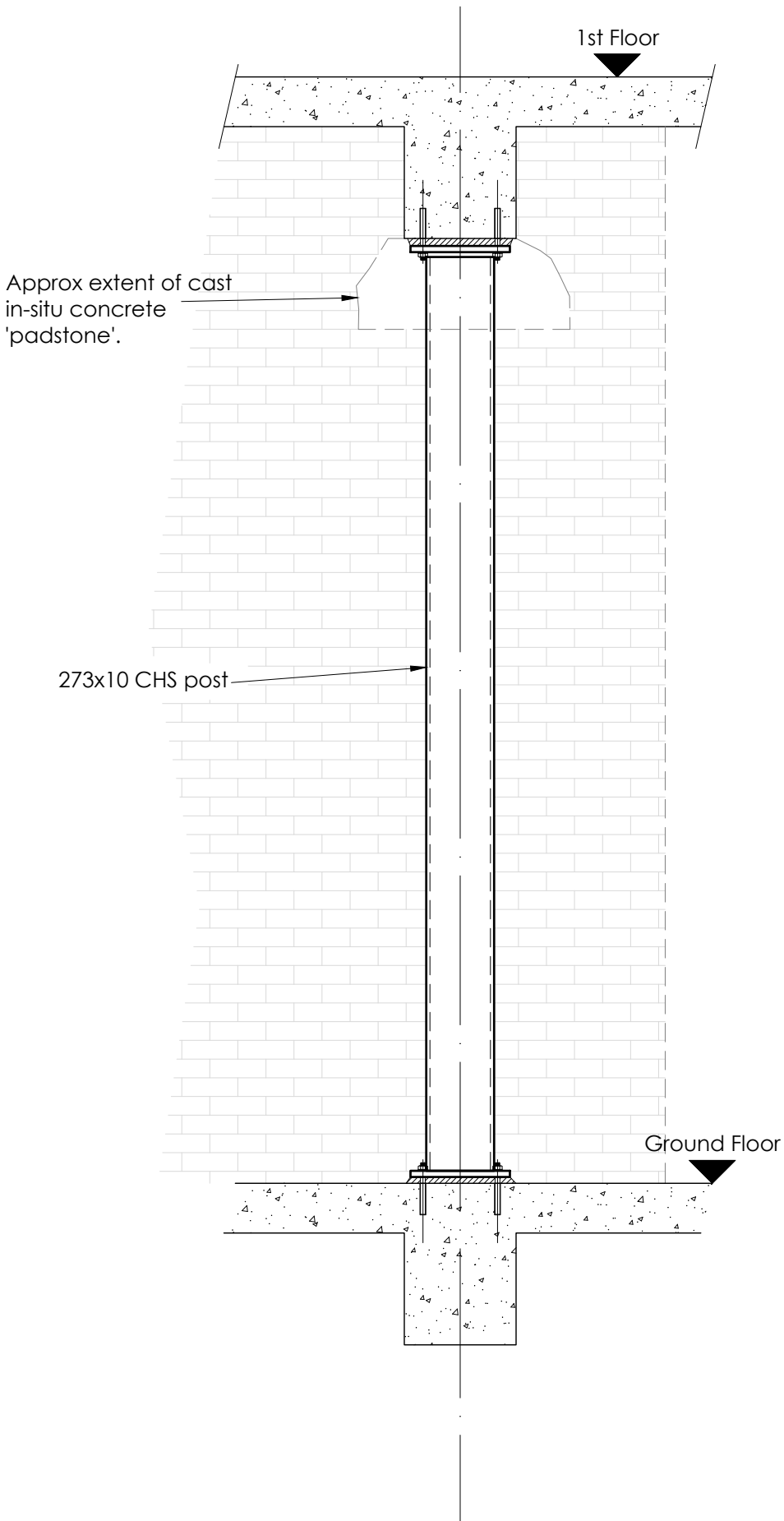


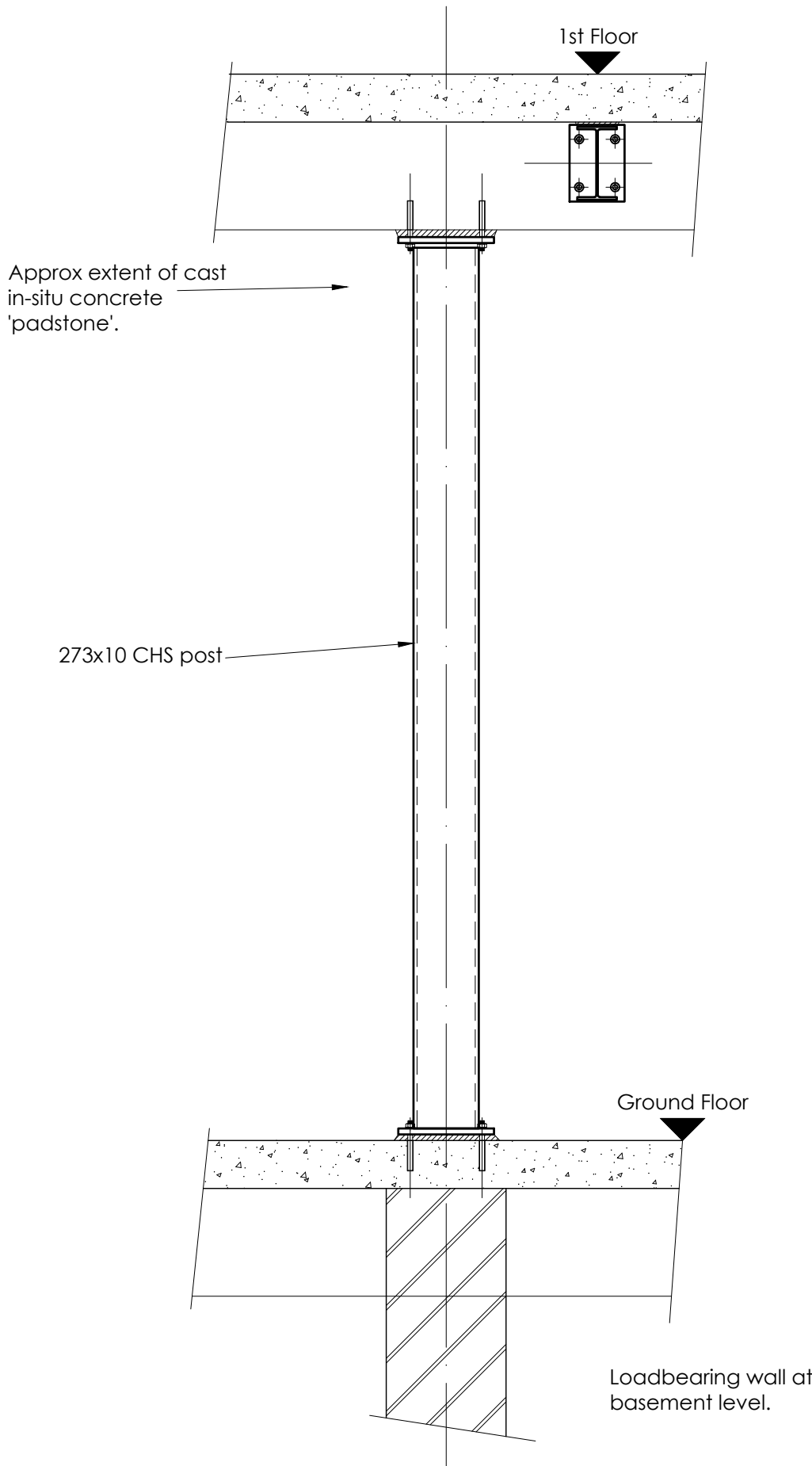
Image of Conc Beam Support on Wall.



Section / Elevation 1-1
1:25 at A1

Sequence of Works - Stanchion Installation

- Install new UB beam alongside existing wall, as described on Section / Elevation 2-2.
- Fully prop beams and slabs at all levels (Ground to 3rd) down to basement slab level to relieve all loading from existing beam support.
- Carefully take down wall.
- Cut / break out 'padstone' concrete from below beam, as tight as possible to level of u/s of beam.
- Expose top of concrete below finished ground floor level and prepare to receive new CHS post.
- Install new CHS with typically 25mm gap to underside of baseplate and 25mm gap above cap plate.
- Drill for new bolts top & bottom, to suit M20 resin anchors and install CHS post, shimmed under baseplate to leave approx 25mm gap top and bottom.
- install shutter around cap plate and base plate and solidly fill gaps between concrete and plates with pourable, high strength, non-shrink grout - Conbextra or similar.
- When all grout is fully cured, propping can be removed.
- Fire protection to new beam and stanchion to architect / fire engineers details.



Section / Elevation 2-2
1:25 at A1

Sequence of Works - UB Installation

- Install new 305x165x40 UB beam alongside existing wall, approx 300mm clear from wall for access and approx 15-20mm below soffit of conc slab above.
- Beam to be bolted to sides of ex conc downstands using 4 No M20 bolts set in high strength resin. Expanding bolt must NOT be used.
- When bolt resin has cured drive steel wedges into gap between top flange and u/s slab to 'pre-load' beam and take out any slack in bolts.
- SOLIDLY fill gap between top flange and slab with dry-pack, high strength non-shrink grout ensuring the void is fully filled to full length and width of beam.
- Allow grout to cure before commencing any demolition works to the wall.

GENERAL NOTES

Do not scale this drawing.
Contractor to check all dimensions and report all errors and omissions to the Engineer.

1. This drawing must be read in conjunction with the latest AXI & Hilson Moran drawings. All setting out is to be in accordance with the architects drawings.
2. All new steelwork to be Grade S355 and all bolts to be Grade 8.8.
3. Steelwork to be blast cleaned to Sa2.5 to receive high build epoxy primer, compatible with any intumescent coatings that may be required.
4. Bolts into concrete are to use Hilti HIT HY200 resin, or similar.
5. High strength, non shrink grout to be Fosroc Conbextra, or similar
6. Any fire protection required is to be to the architect / fire engineers details.
7. All propping to be to Contractors design and details.

Rev	Detail	By	Auth	Date
Revisions				

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Client bruntwood			
Project 38 Mosley Street Refurbishment			
Drawing Title Structural Works Ground Floor Level Entrance Area			
Drawing Status preliminary			
Project No. DW2022	Discipline S	Drawing No. G-06	
Scale 1:25	Sheet Size A1	Revision	
Date Aug'22	Drawn	Checked	Auth