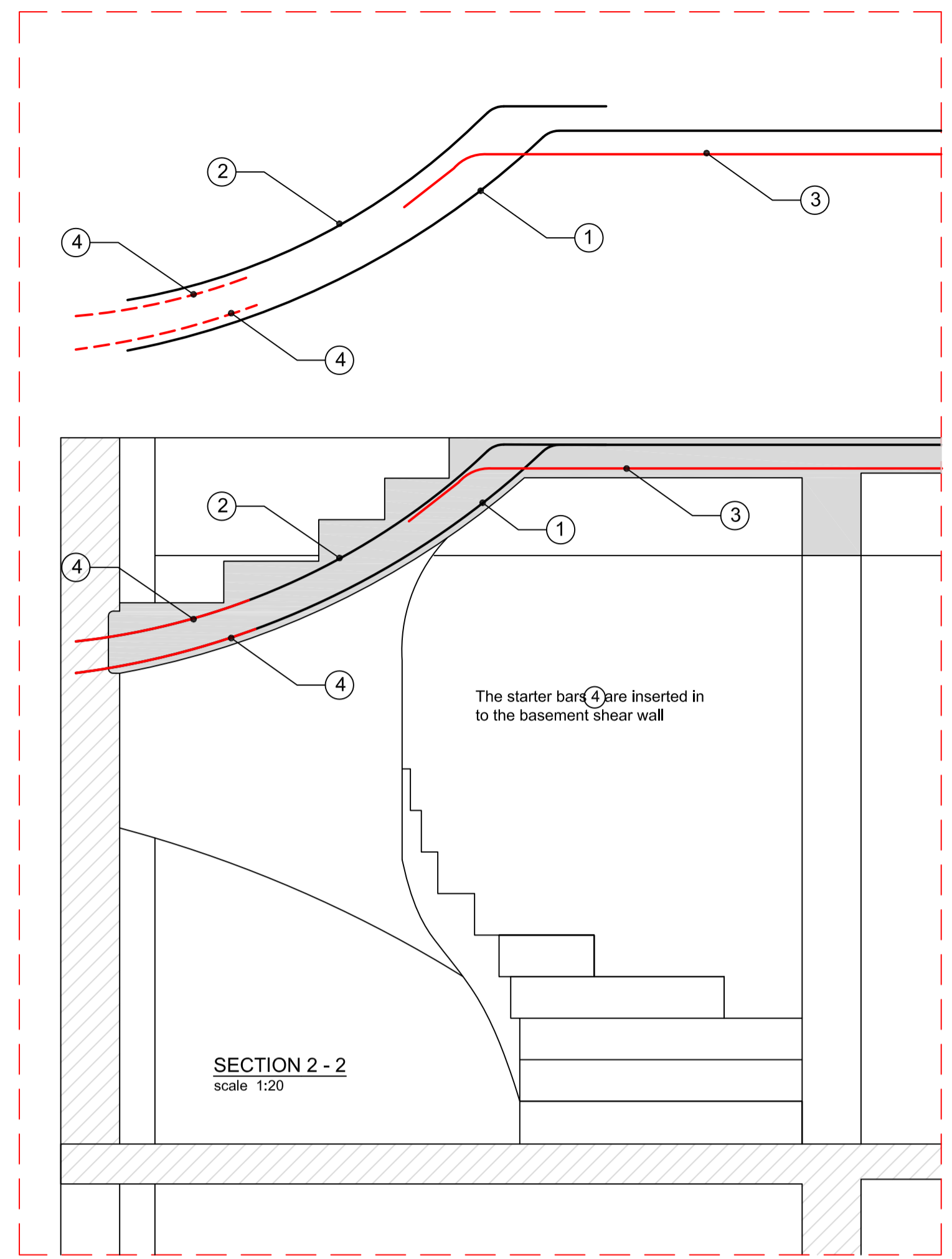
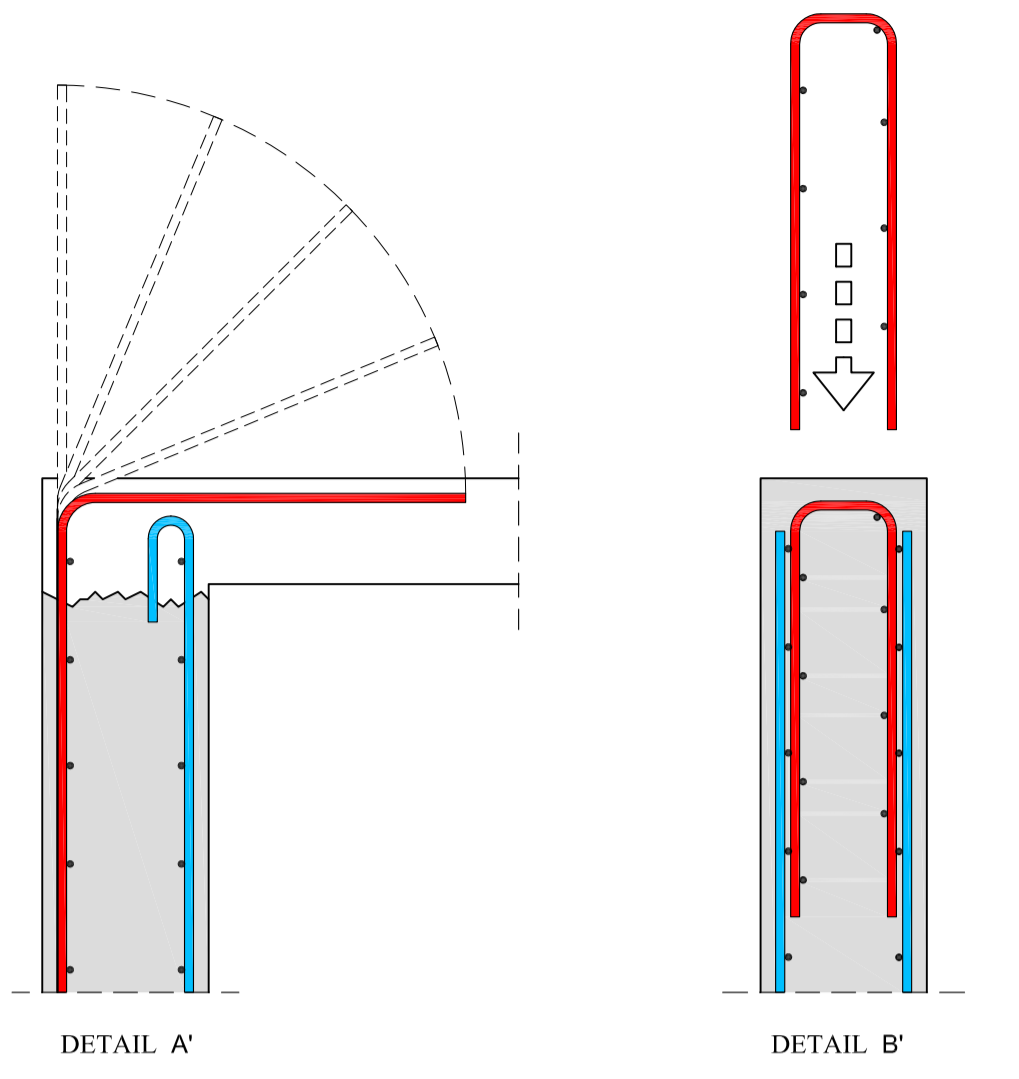


COLUMNS' DETAILS
scale 1:20



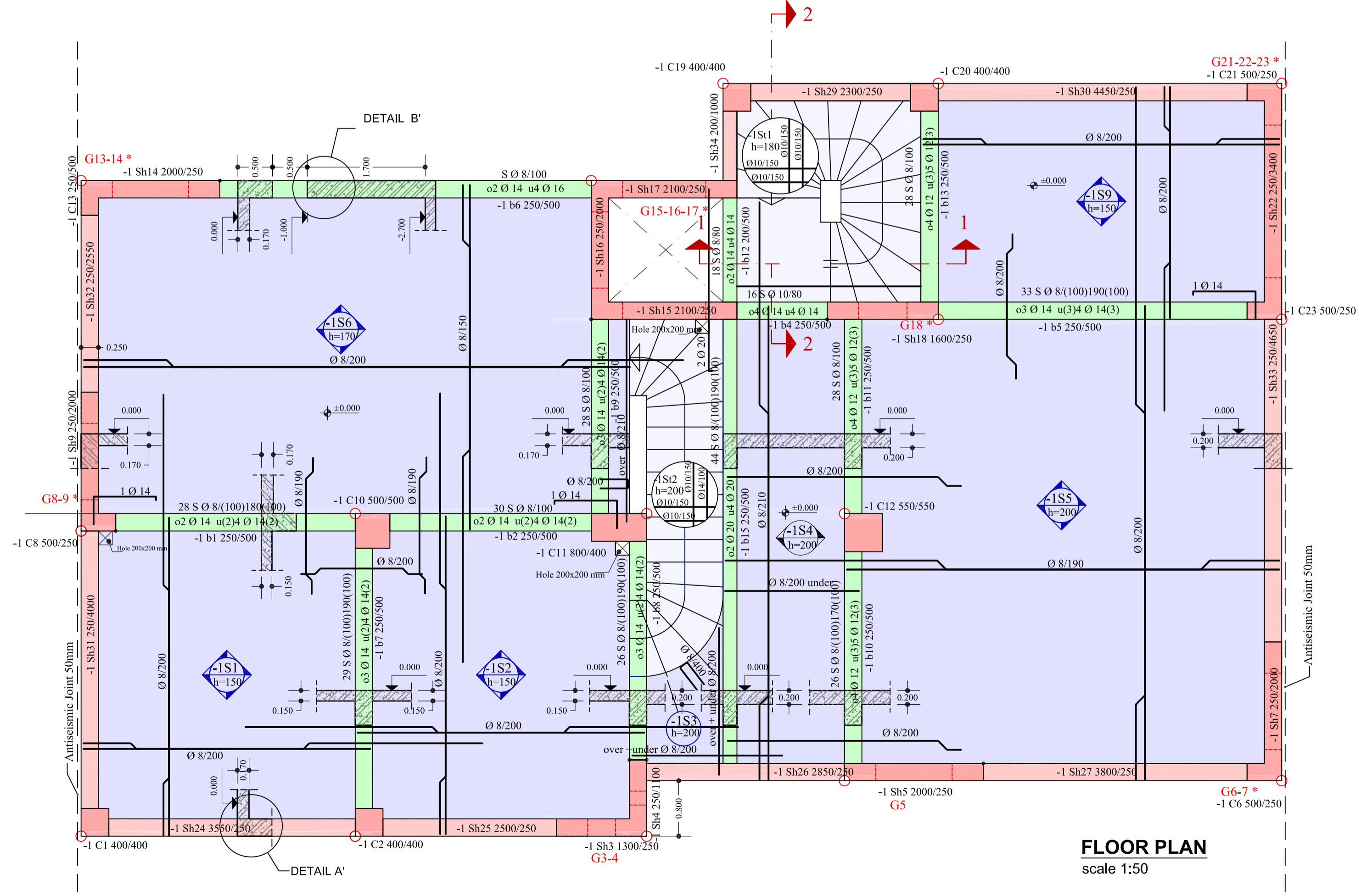
SECTION 2 - 2
scale 1:20

SHEAR WALL REINFORCEMENT DETAIL

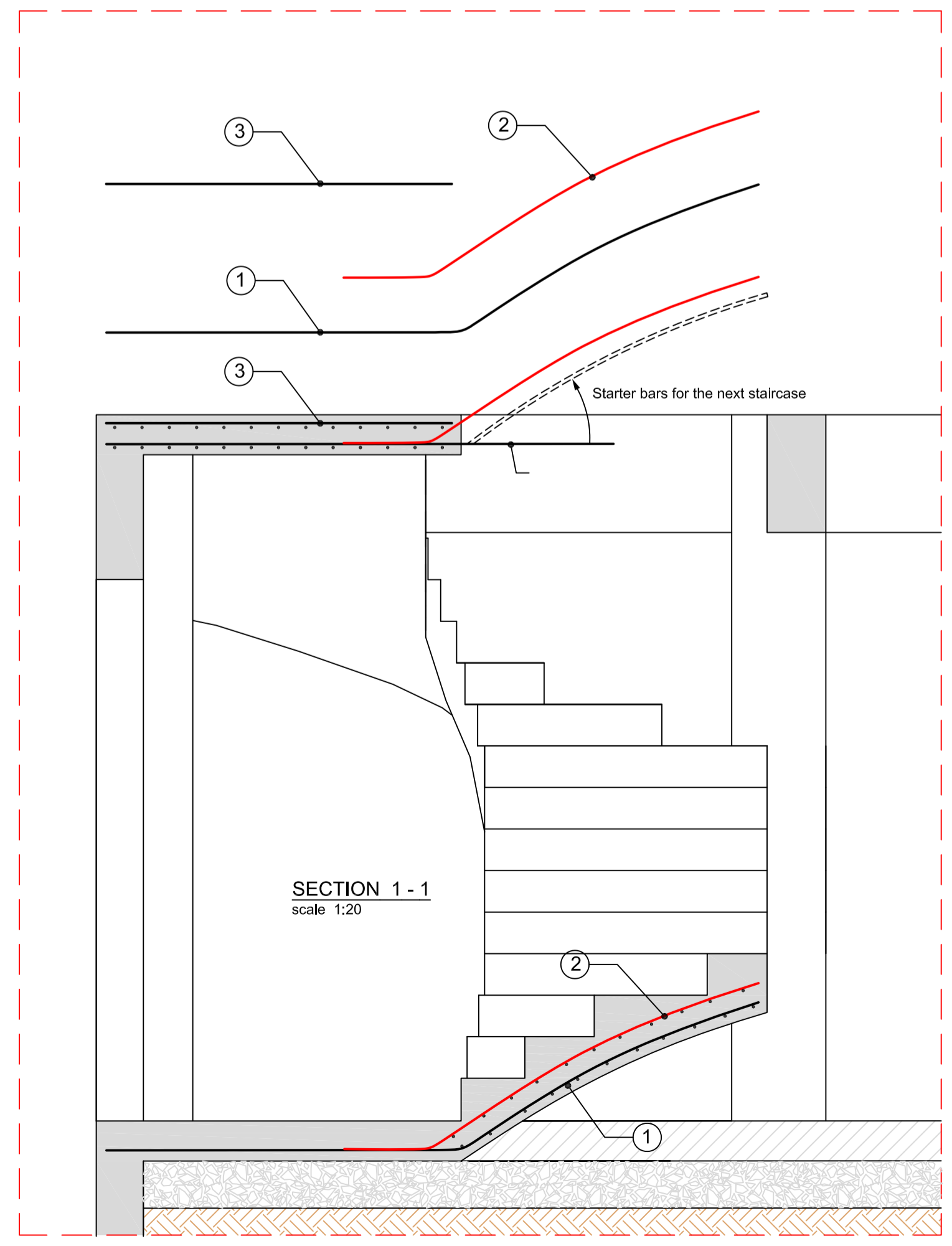


- MATERIAL**
Concrete C30/37
Steel B500C
Stirrups B500C
- Ground stress 0.25 Mpa
- Saismic coefficients
Rd(k): 0.114
Rdy(k): 0.114
- REGULATIONS**
Loadings ΦEK 325A/45
Con. Reg. ΦEK 315B/17-04-97
GRRC 2000 - 2003 - 2004
Antiseismic EAC 2000 - 2003
- Future floors : 0
- Antiseismic analysis assumptions
Earthquake zone I (a=0.16)
Ground category B (T1=0.15, T2=0.60 sec)
Importance category II (γ=1.00)
Damping coefficient ζ=5%
Foundation coefficient β=1
Spectral amplification coefficient β=2.5
Earthquake behavior coefficient q=3.5
- Dead loads
Concrete specific weight 25.00 KN/m³
Single wall weight 2.10 KN/m²
Double wall weigh 3.60 KN/m²
Roof covering 2.00 KN/m²
Slab covering 1.50 KN/m²
- Loadings safety coefficient
Dead loads γg = 1.35
Live loads γq = 1.50
Loadings combination ψ2 = 0.30
- Material covering
a) Slab covering 20 mm
b) Beam covering 25 mm
c) Column covering 25 mm
d) Footing covering 50 mm
- Live loads
House floors 2.00 KN/m²
Office floors 2.00 KN/m²
Balcony floors 5.00 KN/m²
Stair floors 3.50 KN/m²

The contractor, the possible super contractors and the project manager ought to be sufficiently informed about the approved from the corresponding authority Health and Safety plan, prior to the beginning of construction works and must follow all safety instructions described in the plan. Furthermore, it is their responsibility to inform all personnel about their obligations and rights according to the Health and Safety regulations and insure the proper implementation of the regulations.



FLOOR PLAN
scale 1:50



SECTION 1 - 1
scale 1:20

QUANTITIES ESTIMATION

Concrete C30/37	Columns:	123.3 m³	6	ROOF
Columns:	Beams-Stabs:	189.2 m³	5	4th FLOOR
Stairs:	Stairs:	4.2 m³	4	3rd FLOOR
Formwork	Columns:	112 m²	3	2nd FLOOR
Columns:	Beams-Stabs:	201 m²	2	1st FLOOR
Column Steel	Rebars B500c:	1247 Kg	1	MEZZANINE
Stirrups B500c:	Stirrups B500c:	452 Kg	0	GROUND FLOOR
Beam-Slab Steel	Rebars B500c:	2431 Kg	-1	BASEMENT
Rebars B500c:	Stirrups B500c:	516 Kg	-1	FOUNDATION
Embankment:		232 m³		

employer:	EARTHQUAKE RESISTANT BUILDINGS
project:	Drawings sample
location:	VOLUME A'
engineers:	The Author's team

Project type:	STATIC AND DYNAMIC ANALYSIS	date:	03/06/10
Project phase:	DETAILING	Drawing number:	R.30
Drawing subject:	BASEMENT CEILING FORMWORK level "-1": ±0	Drawing:	RC
Scale:	1:50 1:20	Project name:	bCGR
		Revision code:	

ARCHITECTURAL PROJECT:	Stamp, signature:
STATIC ANALYSIS PROJECT	
ELECTRICAL-MECHANICAL PROJECT:	