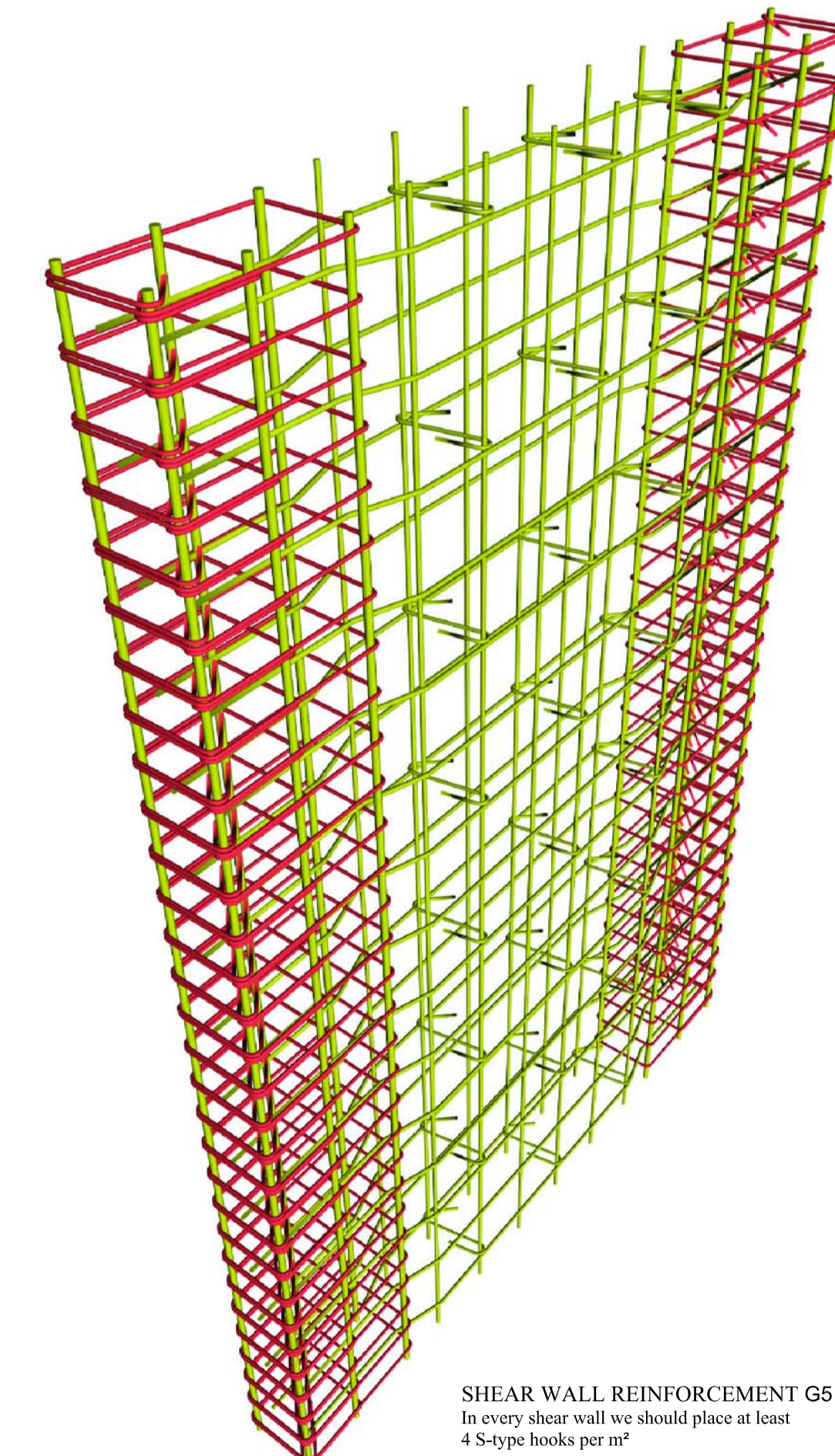
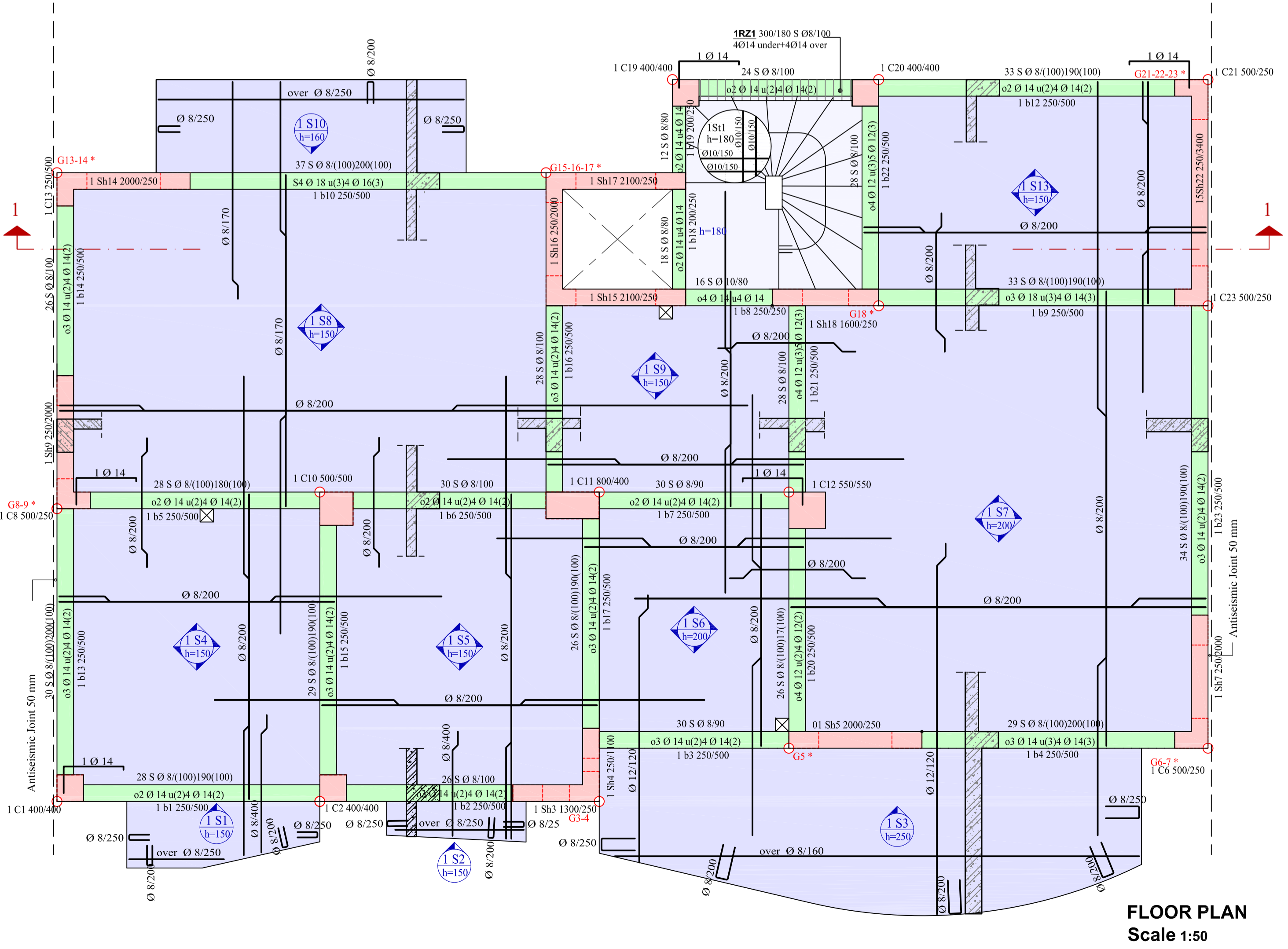


- DESIGN ASSUMPTIONS**
- MATERIAL: Concrete C30/37, Steel B500C, Stirrups B500C
 - Ground stress 0.25 Mpa
 - Seismic coefficients: $R_d(k) = 0.114$, $R_d(y) = 0.114$
 - REGULATIONS: Loadings $\Phi E K 325A/45$, Con. Reg. $\Phi E K 315/B/17-04-97$, GRRC 2000 - 2003 - 2004, Antiseismic EAC 2000 - 2003
 - Future floors: 0
 - Antiseismic analysis assumptions: Earthquake zone: I ($a=0.16$), Ground category B ($T_1=0.15$, $T_2=0.60$ sec), Importance category S2 ($\mu=1.00$), Damping coefficient $\zeta=5\%$, Foundation coefficient $\theta=1$, Spectral amplification coefficient $\beta=2.5$, Earthquake behavior coefficient $q=3.5$
 - Dead loads: Concrete specific weight 25.00 KN/m³, Single wall weight 2.10 KN/m², Double wall weight 3.60 KN/m², Roof covering 2.00 KN/m², Slab covering 1.50 KN/m²
 - Loadings safety coefficient: Dead loads $\gamma_E = 1.35$, Live loads $\gamma_Q = 1.50$, Loadings combination $\psi_2 = 0.30$
 - 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

- COMMENTS**
- 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.
 - Protective grounding in foundation according to the E/M plan



QUANTITIES ESTIMATION

Concrete C30/37	Columns: 14,00 m ³	Column steel	Rebars B500c: 1.680 kg	6	ROOF
Beams-Slabs:	41,00 m ³	Stirrups B500c:	750 kg	5	4th FLOOR
Stairs:	2,30 m ³	Beam-Slab steel	Rebars B500c: 2,080 kg	4	3rd FLOOR
Formworks	Columns: 123,0 m ²	Stirrups B500c:	370 kg	3	2nd FLOOR
Columns:	257,0 m ²	Cantilever lightweight mesh	Sh131 (4 items) 86 kg	2	1st FLOOR
Beams-Slabs:	17,0 m ²			1	MEZZANINE
Stairs:				0	GROUND FLOOR
				-1	BASEMENT
				F	FOUNDATION

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.50
Drawing subject:	MEZZANINE CEILING FORMWORK level "0": +5500	Drawing:	RC
Scale:	1:50 1:20	Project name:	bKGR
		Revision code:	

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