



LIST OF CONCRETE SLABS						
ID	SCHEME	AMOUNT	AREA [m <sup>2</sup> ]	HEIGHT [m]	VOLUME [m <sup>3</sup> ]	SUM [m <sup>3</sup> ]
S1		1	3,957	0,250	0,989	0,989
S2		3	3,793	0,250	0,948	2,845
S3		3	3,793	0,250	0,948	2,845
S4		1	4,308	0,250	1,077	1,077
S5		1	4,308	0,250	1,077	1,077
S6		1	4,139	0,250	1,035	1,035
Σ = 10						Σ = 9,867

LIST OF INSTALLATION SHAFTS - CONCRETE INFILLS						
ID	SCHEME	AMOUNT	AREA [m <sup>2</sup> ]	HEIGHT [m]	VOLUME [m <sup>3</sup> ]	SUM [m <sup>3</sup> ]
IF1		9	0,138	0,250	0,035	0,311
IF2		10	0,100	0,250	0,025	0,250
IF3		9	0,050	0,250	0,013	0,113
Σ = 28						Σ = 0,674

LIST OF CONCRETE SLABS						
ID	SCHEME	AMOUNT	AREA [m <sup>2</sup> ]	HEIGHT [m]	VOLUME [m <sup>3</sup> ]	SUM [m <sup>3</sup> ]
S7		1	310,800	0,250	77,700	77,700
S8		1	594,402	0,250	148,601	148,601
S9		1	600,230	0,250	150,058	150,058
Σ = 3						Σ = 376,359

LIST CONCRETE WALLS				
ID	THICK [m]	HEIGHT [m]	LENGTH [m]	VOLUME [m <sup>3</sup> ]
W2	0,200	4,120	77,455	63,823
W7	0,250	5,520	14,700	20,286
Σ = 84,109				

LIST OF COLUMNS						
ID	SCHEME	AMOUNT	AREA [m <sup>2</sup> ]	HEIGHT [m]	VOLUME [m <sup>3</sup> ]	SUM [m <sup>3</sup> ]
C1		50	0,120	5,770	0,692	34,620
C2		2	0,141	5,010	0,706	1,413
C3		31	0,160	5,010	0,802	24,850
C4		1	0,168	5,010	0,842	0,842
C5		6	0,090	5,010	0,451	2,705
C6		6	0,190	5,010	0,952	5,711
C7		3	0,318	4,860	1,545	4,636
C8		1	0,363	4,860	1,764	1,764
C9		1	0,266	4,860	1,293	1,293
C10		1	0,266	4,860	1,293	1,293
C11		2	0,080	5,010	0,401	0,802
Σ = 104						Σ = 79,929

REINFORCED CONCRETE WALLS  
CONCRETE CLASS C30/37, XC4

REINFORCED CONCRETE EXT. COUMNS  
CONCRETE CLASS C30/37, XC4

REINFORCED CONCRETE INT. COUMNS  
CONCRETE CLASS C30/37, XC1

REINFORCED CONCRETE SLABS  
CONCRETE CLASS C35/45, XC1

REINFORCEMENT BAR STEEL  
CLASS B500B-10S05(R)

STANDARDS ČSN EN 1992-1-1 AND ČSN EN 206-1 Z3

0,000 = 219,762 m a.s.l.  
Coordinate system: S-JTSK  
Height system: BpV

MASTER'S THESIS  
AUTHOR Bc. PETR DVOŘÁK  
SUPERVISOR prof. Ing. JITKA MOHELNIKOVÁ, Ph.D.

UNIVERSITY RESIDENTIAL CENTRE

FLOOR STRUCTURE - ABOVE GROUND FLOOR

DATE 21.12.2014  
SIZE 12 x A4  
SCALE 1:100  
DRAWING ID C08