



LIST OF CONCRETE SLABS					
ID	SCHEME	AMOUNT	AREA [m ²]	HEIGHT [m]	VOLUME [m ³]
S1		1	346,240	0,250	86,560
S2		1	689,547	0,250	172,387
S3		1	664,822	0,250	166,206
		E = 3			E = 425,152

LIST OF INSTALLATION SHAFTS - CONCRETE INFILLS					
ID	SCHEME	AMOUNT	AREA [m ²]	HEIGHT [m]	VOLUME [m ³]
IF1		2	0,550	0,250	0,276
IF2		36	0,040	0,250	0,010
IF3		2	0,350	0,250	0,088
		E = 40			E = 0,812

LIST CONCRETE WALLS				
ID	THICK [m]	HEIGHT [m]	LENGTH [m]	VOLUME [m ³]
W2	0,200	3,250	92,789	44,893
W7	0,250	3,250	14,700	11,944
				E = 56,837

LIST OF COLUMNS					
ID	SCHEME	AMOUNT	AREA [m ²]	HEIGHT [m]	VOLUME [m ³]
C1		50	0,120	3,000	0,360
C2		2	0,141	3,000	0,423
C3		31	0,160	3,000	0,480
C4		1	0,168	3,000	0,504
C5		6	0,090	3,000	0,270
C6		6	0,190	3,000	0,570
C7		3	0,318	3,870	1,231
C8		1	0,363	3,870	1,405
C9		1	0,266	3,870	1,029
C10		1	0,266	3,870	1,029
C11		2	0,080	3,000	0,240
		E = 104			E = 43,486

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, XC4

REINFORCEMENT BAR STEEL
CLASS B500B-10S05(R)

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

MASTER'S THESIS		UNIVERSITY RESIDENTIAL CENTRE	
AUTHOR	Bc. PETR DVOŘÁK	DATE	21.12.2014
SUPERVISOR	prof. Ing. JITKA MOHELNÍKOVÁ, Ph.D.	SIZE	A4
FLOOR STRUCTURE - ABOVE SECOND FLOOR		SCALE	1:100
		DRAWING ID	C10