

| LIST OF CONCRETE SLABS | | | | | | |
|------------------------|--------|--------|------------------------|------------|--------------------------|-----------------------|
| ID | SCHEME | AMOUNT | AREA [m ²] | HEIGHT [m] | VOLUME [m ³] | SUM [m ³] |
| [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 | | | | | | E = 9,867 |

| LIST OF INSTALLATION SHAFTS - CONCRETE INFILLS | | | | | | |
|------------------------------------------------|--------|--------|------------------------|------------|--------------------------|-----------------------|
| ID | SCHEME | AMOUNT | AREA [m ²] | HEIGHT [m] | VOLUME [m ³] | SUM [m ³] |
| [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 = 19 | | | | | | E = 0,674 |


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|------------------------|--------|--------|------------------------|------------|--------------------------|-----------------------|
| ID | SCHEME | AMOUNT | AREA [m ²] | HEIGHT [m] | VOLUME [m ³] | SUM [m ³] |
| [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 | | | | | | E = 376,359 |

| LIST CONCRETE WALLS | | | | |
|---------------------|------------|------------|------------|--------------------------|
| ID | THICK. [m] | HEIGHT [m] | LENGTH [m] | VOLUME [m ³] |
| [W2] | 0,200 | 3,250 | 92,789 | 44,899 (60,313) |
| [W7] | 0,250 | 3,250 | 14,700 | 11,944 |
| Σ = 56,837 | | | | |

| LIST OF COLUMNS | | | | | | |
|-----------------|--------|--------|------------------------|------------|--------------------------|-----------------------|
| ID | SCHEME | AMOUNT | AREA [m ²] | HEIGHT [m] | VOLUME [m ³] | SUM [m ³] |
| [C1] | | 50 | 0,120 | 3,000 | 0,360 | 18,000 |
| [C2] | | 2 | 0,141 | 3,000 | 0,423 | 0,846 |
| [C3] | | 31 | 0,160 | 3,000 | 0,480 | 14,880 |
| [C4] | | 1 | 0,168 | 3,000 | 0,504 | 0,504 |
| [C5] | | 6 | 0,090 | 3,000 | 0,270 | 1,620 |
| [C6] | | 0 | 0,190 | 3,000 | 0,570 | 0,000 |
| [C7] | | 3 | 0,318 | 3,250 | 1,034 | 3,101 |
| [C8] | | 1 | 0,363 | 3,250 | 1,180 | 1,180 |
| [C9] | | 1 | 0,266 | 3,250 | 0,865 | 0,865 |
| [C10] | | 1 | 0,266 | 3,250 | 0,865 | 0,865 |
| [C11] | | 2 | 0,080 | 3,000 | 0,240 | 0,480 |
| Σ = 104 | | | | | | E = 42,339 |

0,000 =
Coordinate system:
Height system:

219,762 m a.s.l.
S-JTSK
BpV

| | | | |
|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| MASTER'S THESIS | |  BRNO UNIVERSITY OF TECHNOLOGY FACULTY OF CIVIL ENGINEERING INSTITUTE OF BUILDING SERVICES | |
| AUTHOR | Bc. PETR DVOŘÁK | | |
| SUPERVISOR | prof. Ing. JITKA MOHELNÍKOVÁ, Ph.D. | | |
| UNIVERSITY RESIDENTIAL CENTRE | | DATE | 21.12.2014 |
| | | SIZE | 12 x A4 |
| | | SCALE | 1:100 |
| FLOOR STRUCTURE - ABOVE FIRST FLOOR | | DRAWING ID | C09 |

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