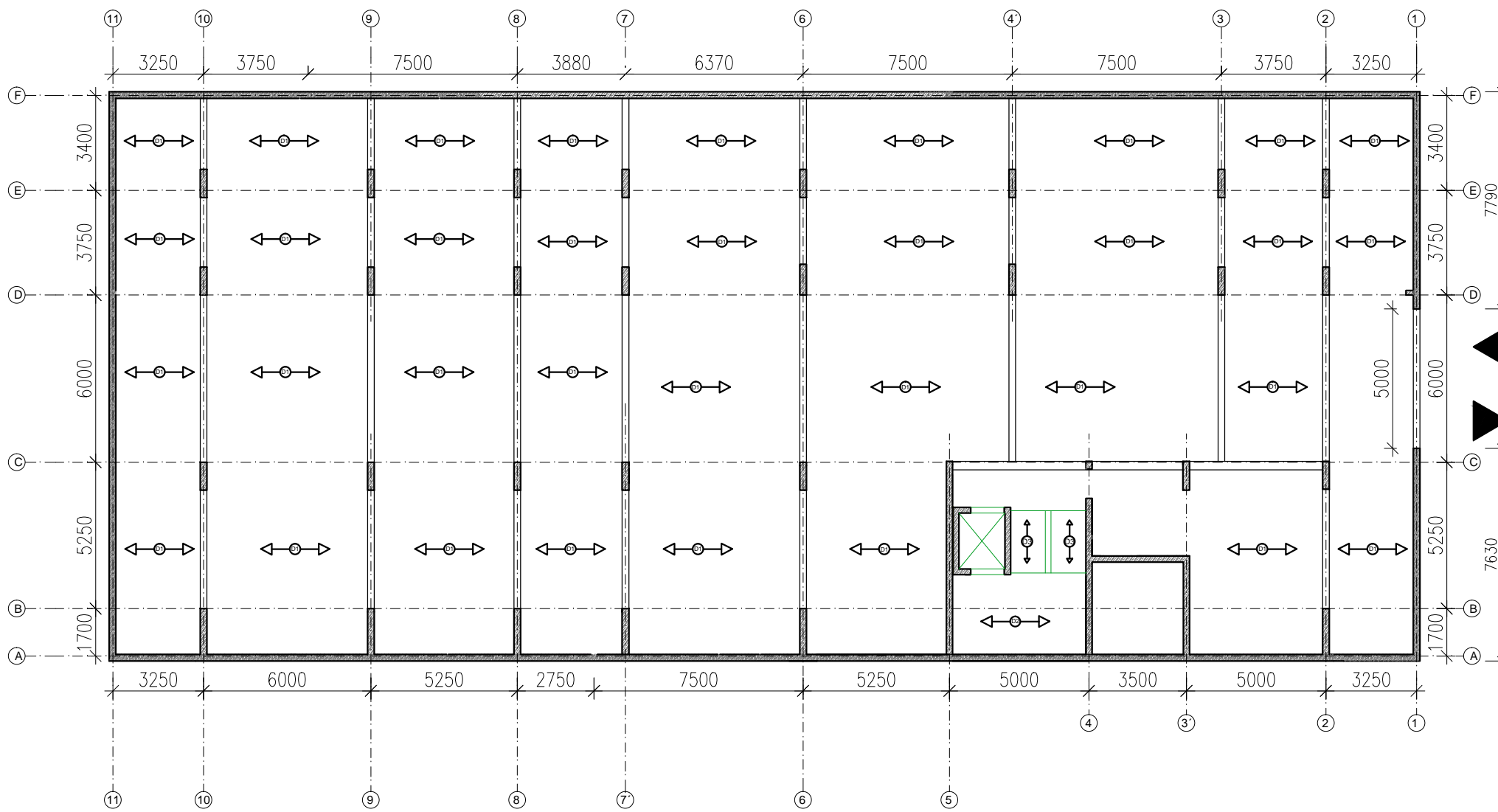
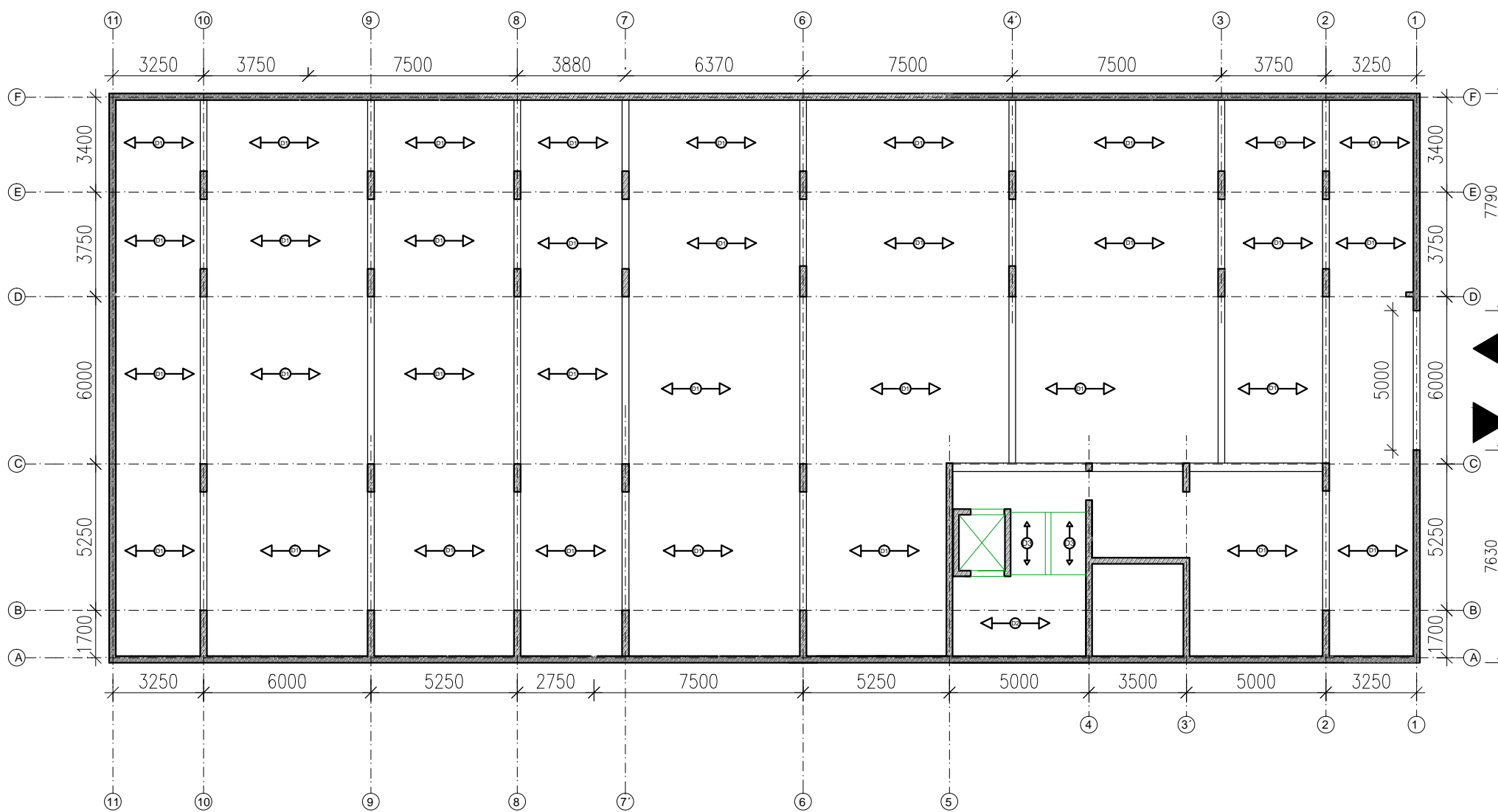


STRUCTURAL SYSTEM:
COLUMN + BEAMS SYSTEM
UNDERGROUND LEVEL



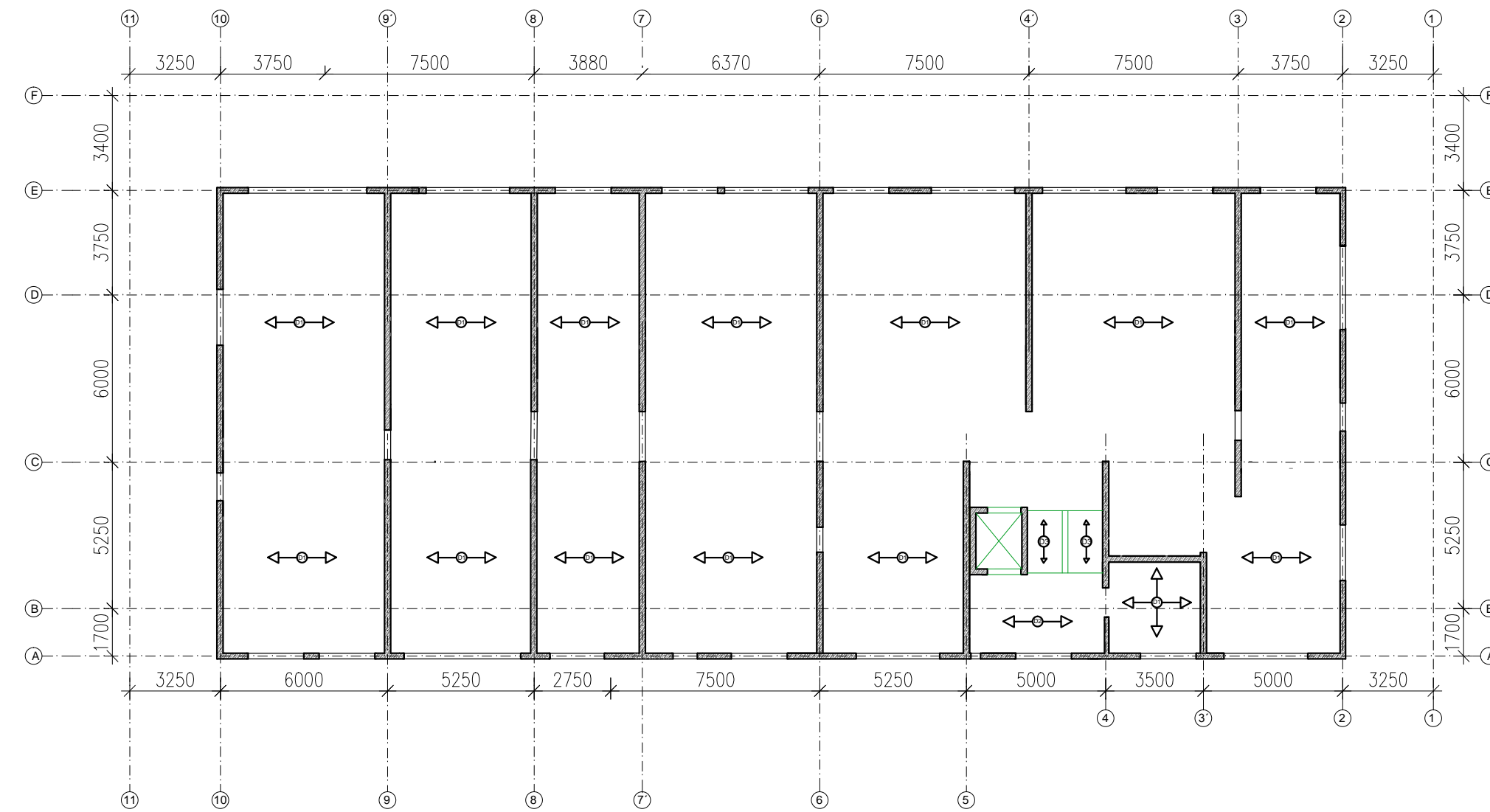
LIST OF ELEMENT
VERTICAL ELEMENTS:
PERIMETER WALL: REINFORCED CONCRETE WALL (WATERPROOFING CONCRETE), 300 mm
REINFORCED CONCRETE COLUMNS
FLOOR STRUCTURE : ONE WAY REINFORCED CONCRETE MONOLITHIC SLAB d=220mm
BEAMS 250x650 mm

STRUCTURAL SYSTEM:
COLUMN + BEAMS SYSTEM
UNDERGROUND LEVEL



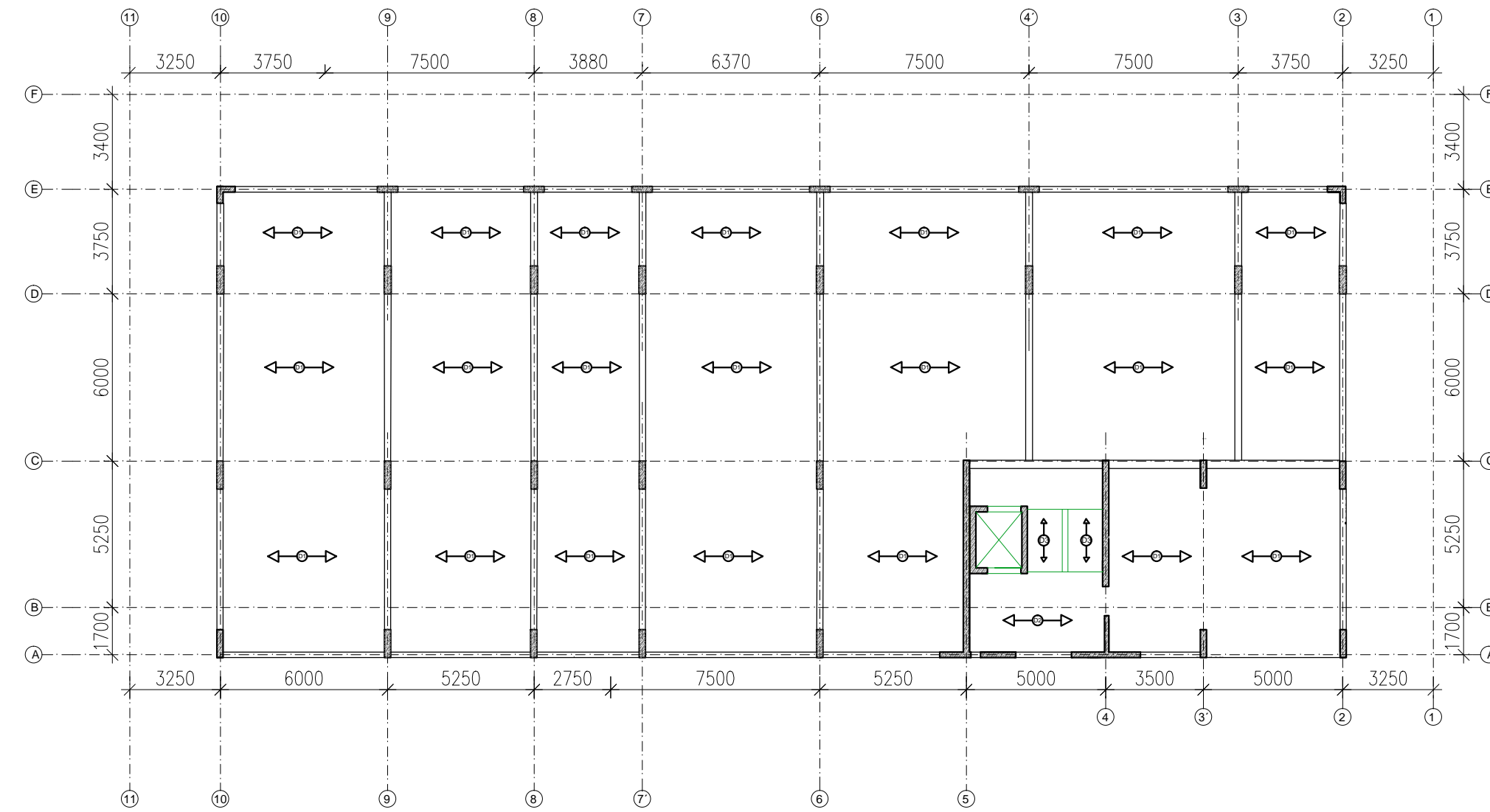
LIST OF ELEMENT
VERTICAL ELEMENTS:
PERIMETER WALL: REINFORCED CONCRETE WALL (WATERPROOFING CONCRETE), 300 mm
REINFORCED CONCRETE COLUMNS
FLOOR STRUCTURE : ONE WAY REINFORCED CONCRETE MONOLITHIC SLAB d=220mm
BEAMS 250x650 mm

FIRST LEVEL



LIST OF ELEMENT
VERTICAL ELEMENTS:
REINFORCED CONCRETE WALL, 200 mm OR MASONRY WALLS 300 mm
FLOOR STRUCTURE : ONE WAY REINFORCED CONCRETE MONOLITHIC SLAB d=220mm

FIRST LEVEL



LIST OF ELEMENT
VERTICAL ELEMENTS:
REINFORCED CONCRETE WALL, 200 mm
REINFORCED CONCRETE COLUMNS
FLOOR STRUCTURE : ONE WAY REINFORCED CONCRETE MONOLITHIC SLAB d=220mm
BEAMS 250x650 mm

PERIMETER WALL MASONRY - V1	t [mm]	
-INNER PLASTER - DOUBLE LAYER LIMCEMENT PLASTER -MASONRY POROTHERM 19AKU -THERMAL INSULATION SYSTEM -ETICS - EPS70F -OUTER PLASTER - SYLICON	15 200 160 15	
U=0,23W/m2K < 0,25W/m2K - CHECK		
PERIMETER WALL REINFORCED CONCRETE - V2	t [mm]	
-INNER PLASTER - DOUBLE LAYER LIMCEMENT PLASTER -REINFORCED CONCRETE WALL -THERMAL INSULATION SYSTEM -ETICS - EPS70F -OUTER PLASTER - SYLICON	15 200 160 15	
U=0,25W/m2K < 0,25W/m2K - CHECK		
PERIMETER WALL - UNDERGROUND LEVEL - V3	t [mm]	
-INNER PLASTER - DUSTFREE INTERNAL PAINT -REINFORCED WATERPROOFING CONCRETE WALL -XPS BOARDS -NOP FOIL	15 300 80 15	
U=0,45W/m2K < 0,45W/m2K - CHECK		

±0,000 = +262,450 BpV

OBJECT		RESIDENTIAL BUILDING		Czech Technical University	
DOCUMENTATION: BUILDING PERMIT DOCUMENTATION					
PROJECT: Civil Engineering Part					
PURPOSE: Bachelor Thesis - Residential Building					
CONSULTED WITH:		Ing. Malila Noori, Ph.D.	date	05 / 2018	
CREATED BY:		Malathe Alkhateeb	scale	1 : 200	
PART:		BUILDING STRUCTURE		N° A4	
DRAWING:		STRUCTURAL SYSTEMS 2		Drawing nr.	