

Materials legend	
Prefabricated concrete	
Concrete cast-in-situ	
Mortar/ Scree	
Steel	
Hard insulation	
Soft insulation	
Ceramic tiles	
Hollowcore deck elements	



K01\_H1\_E2\_N01

Keynote legend	
Key Value	Keynote Text
100	150mm Prefabricated concrete element (Inner leaf), 250mm Mineral wool, 70mm Prefabricated concrete element (Outer leaf)
120	200mm Prefabricated concrete wall
130	Curtain wall
140	2x12.5mm Gypsum board, 70mm mineral wool, 2x12.5mm Gypsum board
150	2x12.5mm Wet gypsum board, 70mm Mineral wool, 2x12.5mm Gypsum board
170	
220	2mm Linoleum, 12mm Plywood, 12mm Density fiberboard, 170mm Free space, 10mm Screed, 220mm Hollow core deck element
400	Rockfon Tro-pic Suspended ceiling, 15mm Stone wool panels, 947mm Free space, 38mm Battens
D01_100	Main entrance door, Wooden frame, glass, 1512x2145mm
D01_120	Wooden internal door, 910x2114mm
D01_130	Glass door, fixed in the curtain wall
D03_100	Exterior single flush door, wood and glass 910x2145mm
S100	Prefabricated concrete staircase
S200	External steel staircase
W01_100	Window with wooden frame, 1800x1212mm
W02_100	Window with wooden frame, 1200x1212mm
W03_100	Window with wooden frame, 600x1212mm
W04_100	Window with wooden frame, 1200x1212mm
W05_100	Window with wooden frame, 2000x1212mm



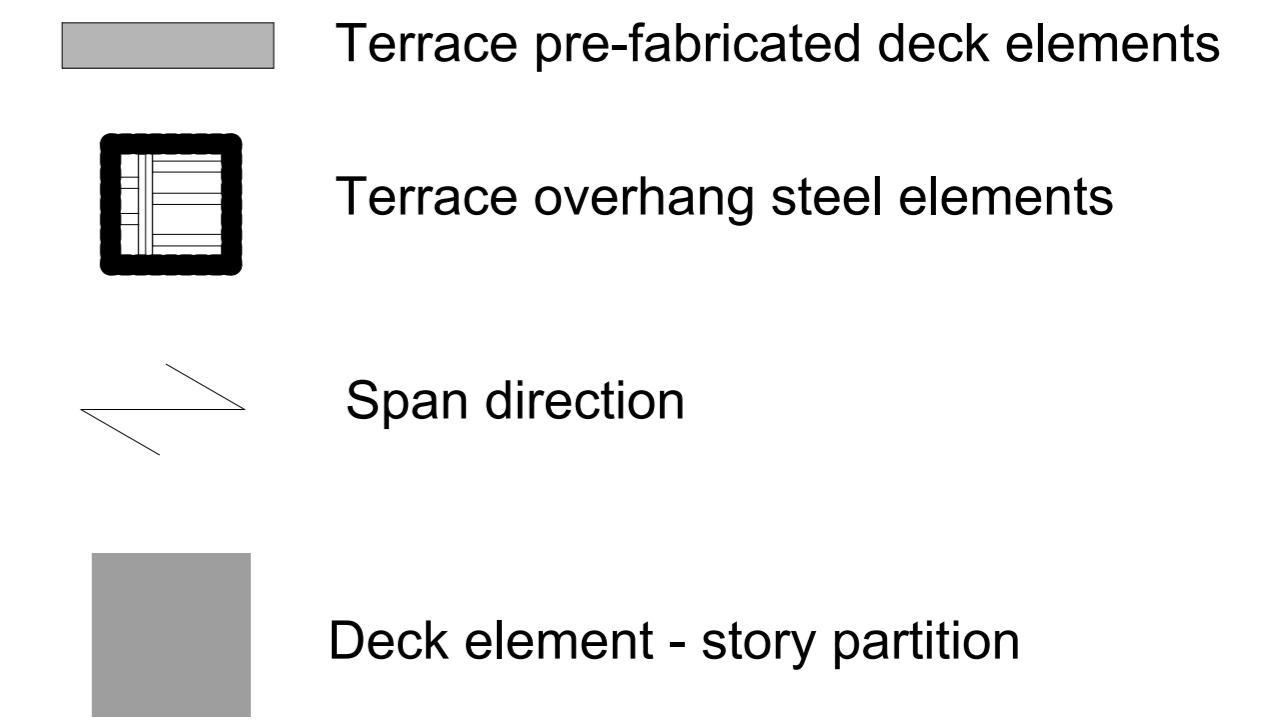
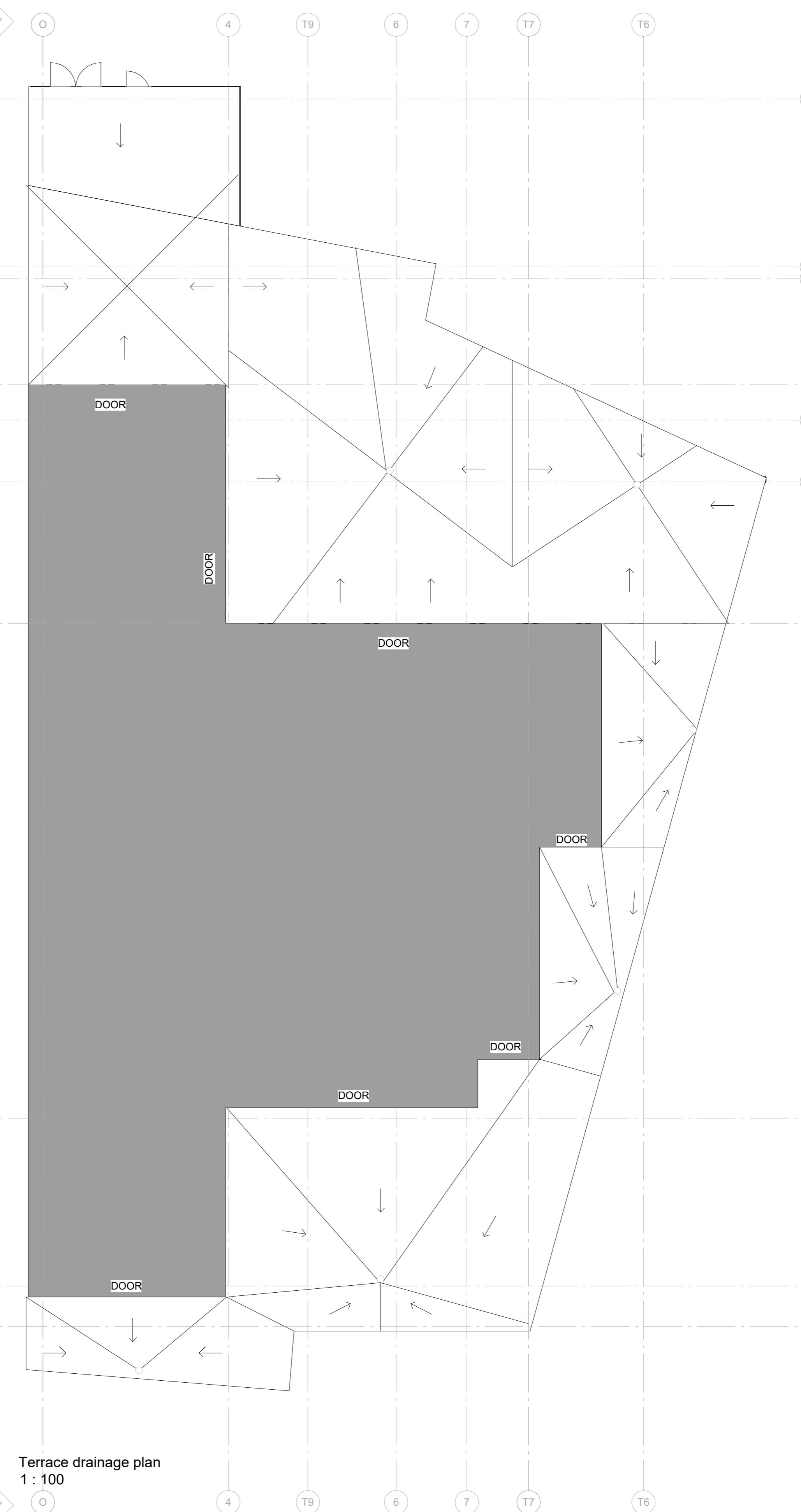
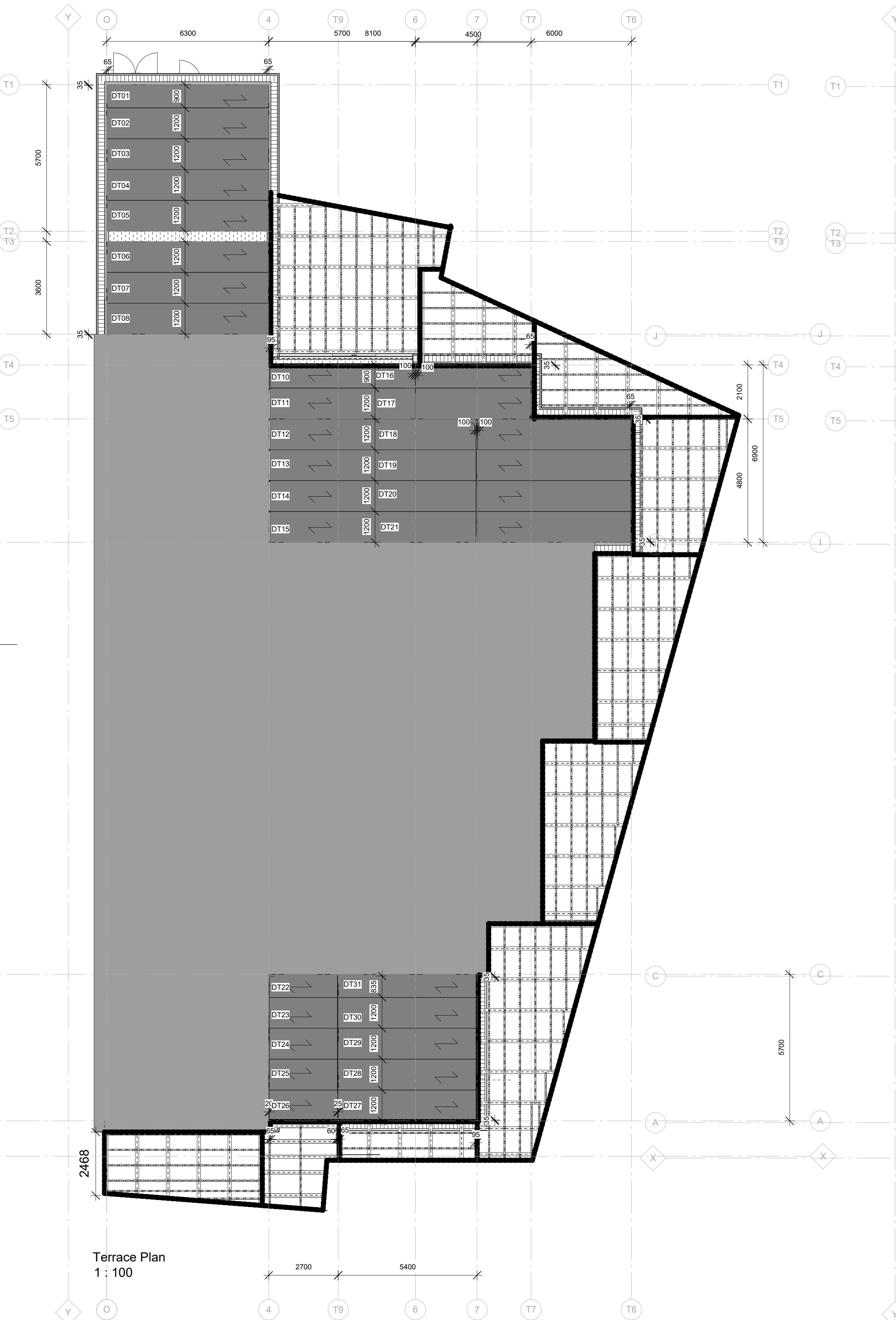
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BYGGEAG: LÖGTENGARDEN	DATO: 05/20/24
EMNE: 1st Floor plan	MÅL: As indicated
UDFORT AF: Ana Araújo	KLASSE:

K01\_H1\_E2\_N01

## Terrace plan



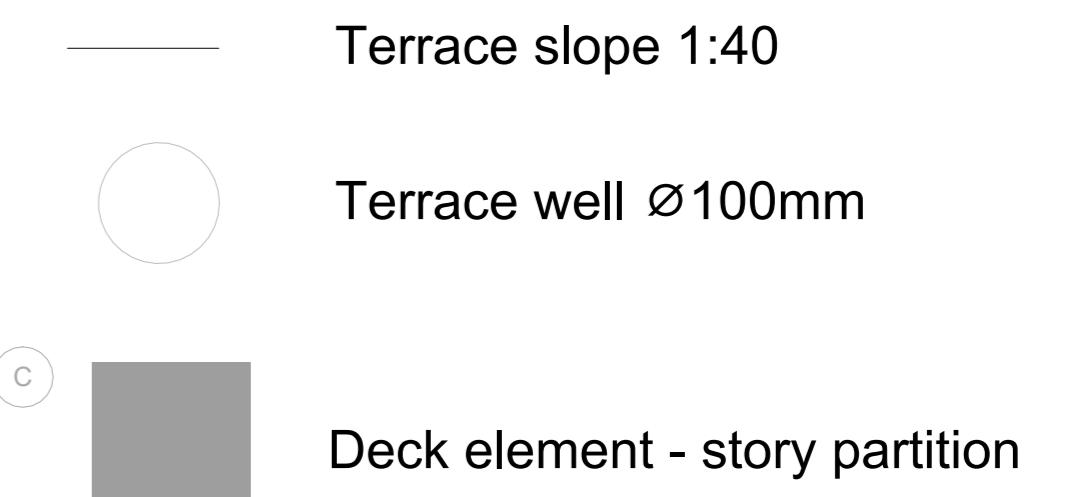
Prefabricated concrete hollowcore deck element  
Customized  
Thickness: 220mm  
Maximum width of the element is 1200mm  
Maximum span of the element is 8100mm

**Span bigger than 7.5m:** Load-bearing side of the deck element is resting **95mm** inside the inner leaf.  
**Span smaller than 7.5m:** Load-bearing side of the deck element is resting **65mm** inside the inner leaf.  
**Non-load bearing side of deck element:** is resting **35mm** inside the inner leaf.

**Reference:**  
For story partition deck element plan refer to sheet named "Deck element plan"  
Calculation of chosen deck elements can be found in document called **STD Report**

Detailed drawing of terrace is shown in document called "Terrace buildup"

## Terrace drainage plan



**Reference:**  
Placement of the rainwater downpipes inside the building is shown on the floor plans on sheets number:  
**K01\_H1\_E1\_N01 , K01\_H1\_E2\_N01**

31 deck elements are used for terrace

**U-values:**

External walls (Sandwich element): 0,153 W/m2K  
 Ground supported slab: 0,112 W/m2K  
 Roof: 0,088 W/m2K  
 Windows-provided by Velfac: 0,8 W/m2K  
 Curtain wall: 0,88 W/m2K  
 Door: 0,8 W/m<sup>2</sup>K.W/m2K

**Fire requirements:**

**Reference:** For further information on fire classifications, refer to sheet called "Fire Analysis: Floor plans"

Roof : REI30 A2-s1-d

Floor partition: REI30

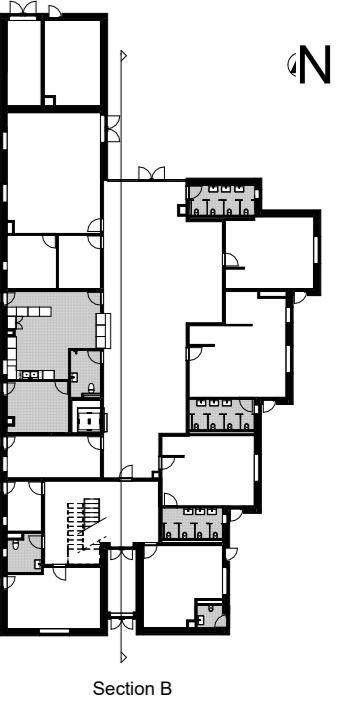
**Reference:**

For foundation information and dimensions, refer to sheet named "Foundation Plan"

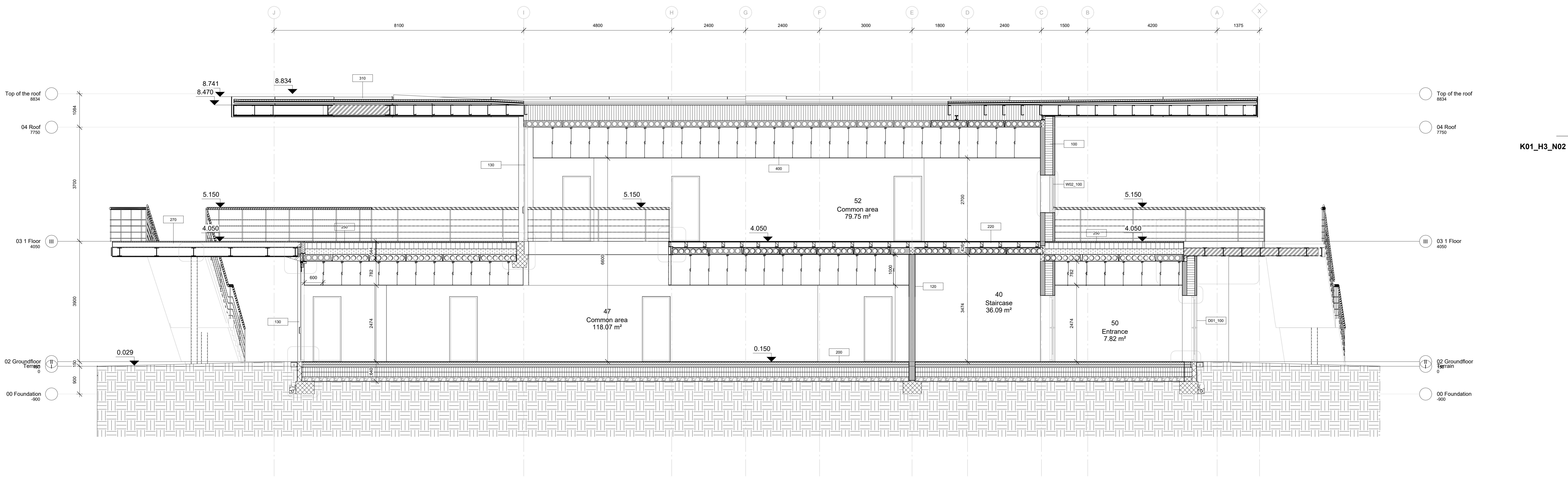
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Key Value	Keynote Text
100	150mm Prebaricated concrete element (Inner leaf), 250mm Mineral wool, 70mm Prefabricated concrete element (Outer leaf)
120	200mm Prefabricated concrete wall
130	Curtain wall
200	2mm Linoleum, 18mm Plywood, 70mm Screed, 100mm Concrete cast-in-place, 2x150mm Polystyrene, 150mm Gravel
220	2mm Linoleum, 12mm Plywood, 12mm Density fiberboard, 170mm Free space, 10mm Screed, 220mm Hollow core deck element
250	30mm Concrete tiles, 15mm Free space/leveling battens, 10mm Roofing felt, 200mm Hard insulation, 180mm Soft insulation, 220mm Hollowcore deck element
270	30mm Concrete tiles, 156mm Free space/levelling battens, 20mm Plywood, 270mm Steel I-beam/C-beams, 20mm Plywood, 15mm Glasroc F GFF
310	Steel overhang, HE-340B Beam, Aluminium cladding , Roofing felt
400	Rockfon Tro-pic Suspended ceiling, 15mm Stone wool panels, 947mm Free space, 38mm Batten
D01_100	Main entrance door, Wooden frame, glass, 1512x2145mm
W02_100	Window with wooden frame, 1200x1212mm

**Materials legend**

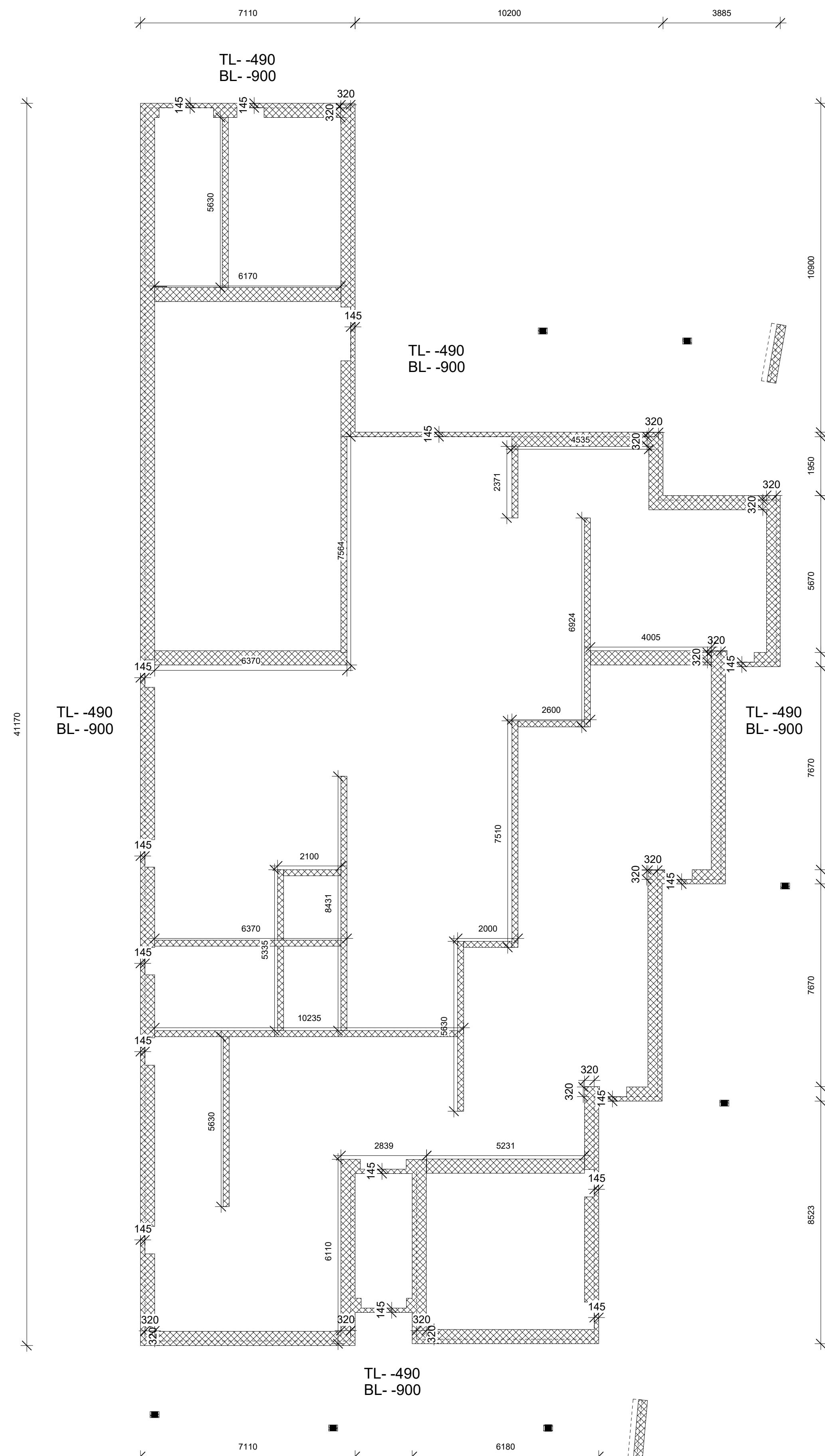
- Prefabricated concrete
- Concrete cast-in-situ
- Mortar/ Scree
- Steel
- Hard insulation
- Soft insulation
- Ceramic tiles
- Hollowcore deck elements



N



Section B  
1 : 50



### In-situ casted reinforced concrete foundations

Reference to the document "STD report" for more information on foundation calculation.

Further reference to engineers calculations and drawings for more accurate dimensions of foundation footing and plinth

Reinforcement: External load bearing walls foundations, Internal load bearing foundations, foundations around stairs and columns are reinforced with 4 ø12 y steel bars

TL - Top level of the foundations

BL - Bottom level of the foundations

Concrete plinth, 320mm wide

Foundation under internal load bearing walls, 470mm

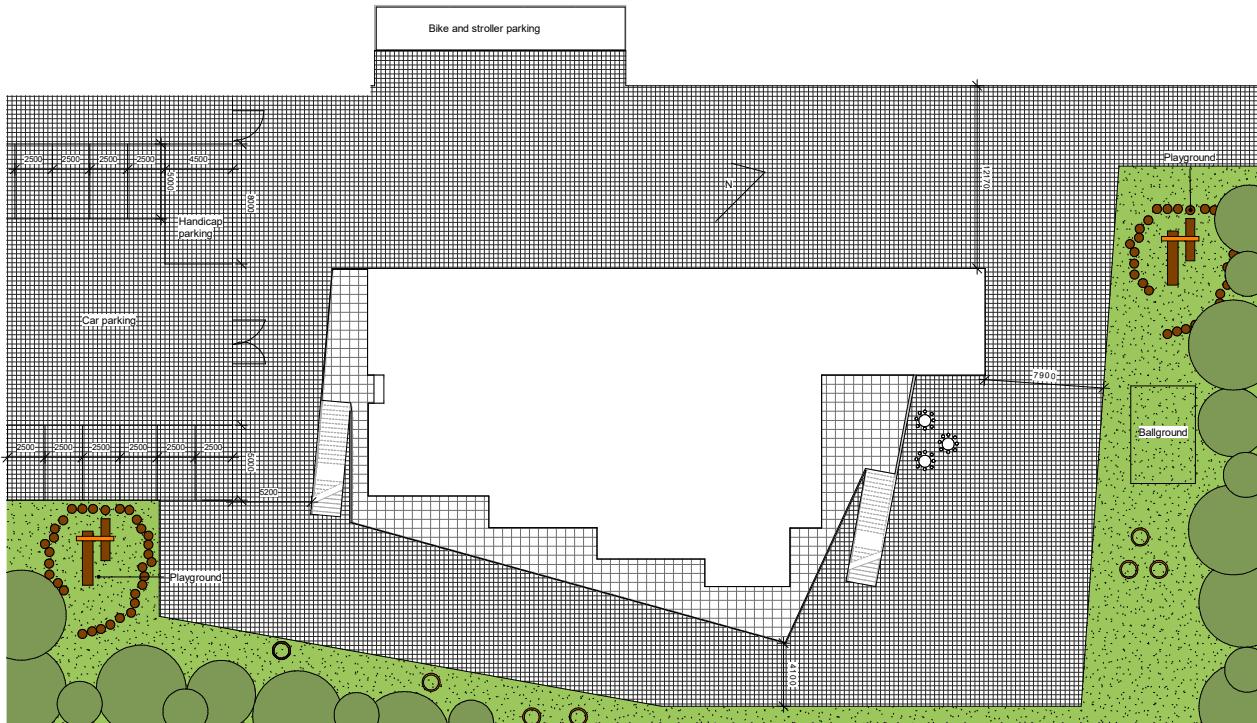
Foundation under external load bearing walls, 470mm

Foundation under columns and external staircase, 300mm

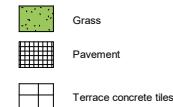
Galvanized steel column on foundation

Steel external staircase on foundation

K01\_H1\_E0\_N01



For further specifications of site plan restrictions, refer to local plan  
Parking spots drawn accordingly to BR18 and HFB  
2012/13 requirements  
For overall building dimensions refer to floor plans



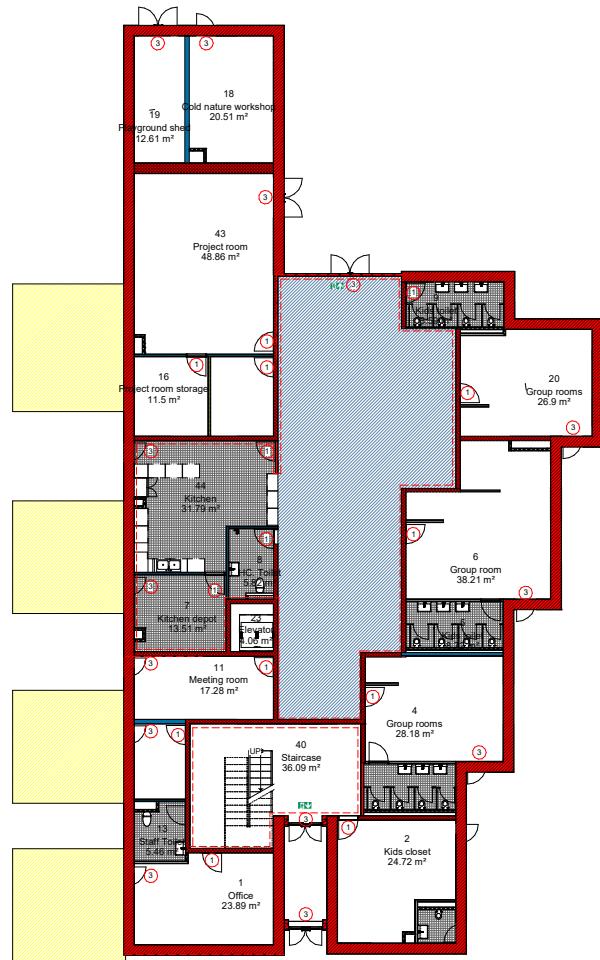
K01\_H1\_E1\_N06



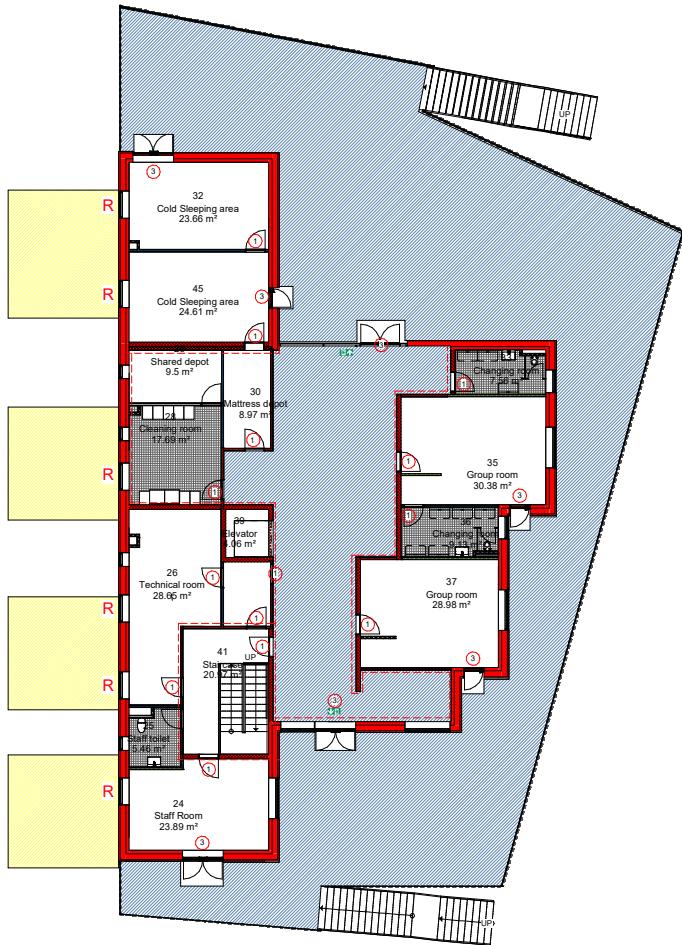
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Groundfloor, Fire Analysis Project Proposal  
1 : 100



1st floor Fire Analysis Project Proposal  
1 : 100

### Fire analysis - Project proposal

- R60A2 -S1, D0
- REI60A2 - S1, D0
- EI60A2 - S1, D0 - Fire compartment separation non load bearing
- EI60A2 - S1, D0 - Fire section separation non load bearing

Exit in escape route

Rescue opening

Area for emergency ladder 5x5m

Escape route min. 1.3m.

1 Fire door EI2 30-C (BD door 30)

3 Fire door E2 30-C (BD door 30)

Fire section

Hollow core deck elements is classified as REI60/A2s1 (BS building part 60)  
Roof structure is classified as REI30 A2-s1-d0  
Internal stair are classified as R30 A2-s1.d0

K01\_H8\_N10



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K01\_H8\_N10