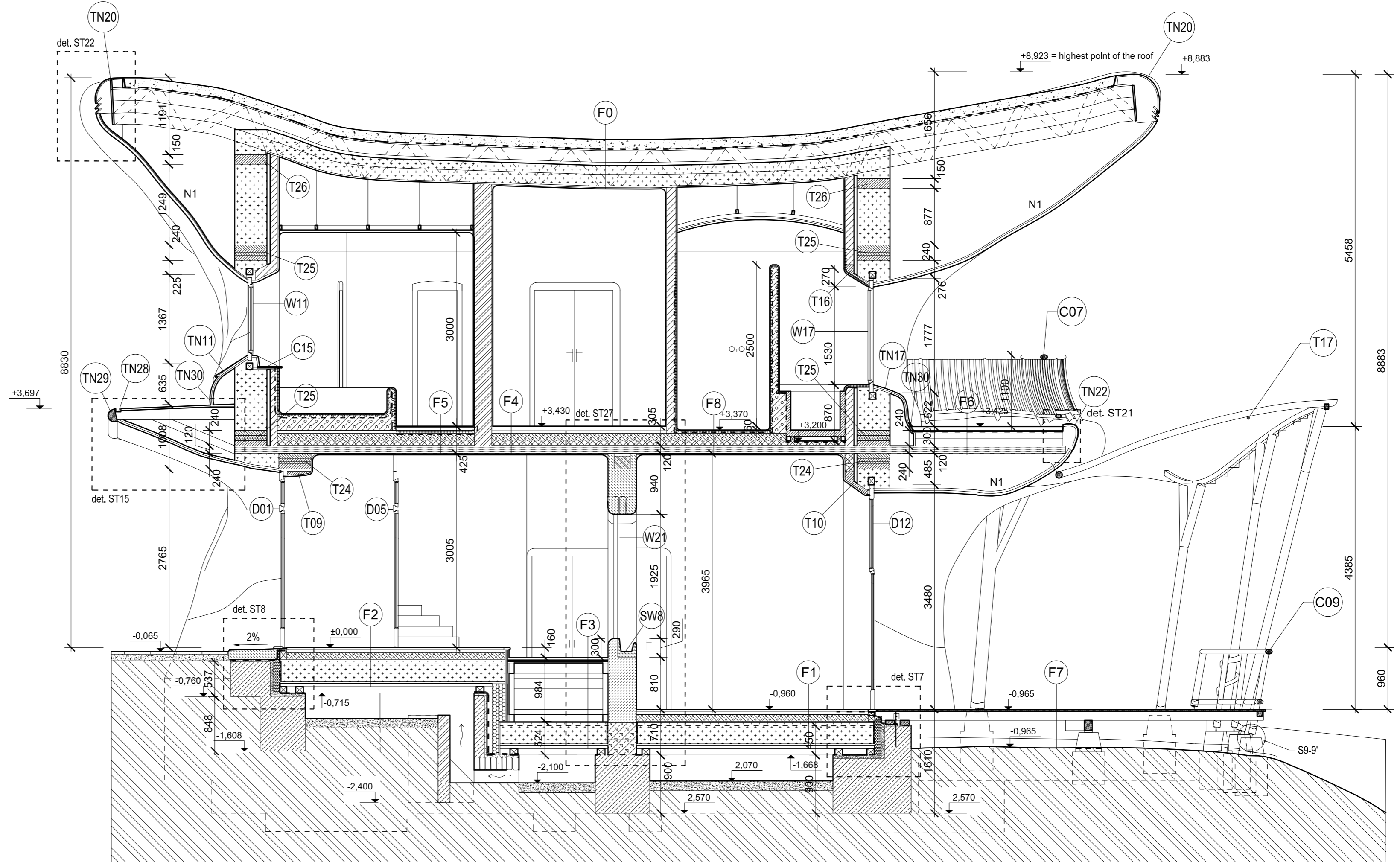














<b>Project:</b> <b>the private house in El Palol</b> property: Mas Palol (Can Fages), municipal area: Torroella de Fluvià, county: l'Alt Empordà, Spain	 <p> <i>ak. arch. Oldřich Hozman</i>  <i>Na Zájezdu 16, 101 00 Praha 10</i>  <i>Czech Republic</i>  <i>Czech Chamber of Architects Reg. no.: 01284</i>  <i>tel + 4 2 0 2 3 5 3 1 1 6 2 2</i>  <i>fax + 4 2 0 2 3 5 3 1 1 6 2 2</i>  <i>www.arc.cz   arc@arc.cz</i> </p>
<b>Investor:</b> <b>Zain Maitreya, s.l., Margenat 23, 08017 Barcelona, Spain</b>	

<b>Architect:</b> <b>ak. arch. Oldřich Hozman</b>	<b>Drawn by:</b> Ing. arch. Jan Soukup Ing. Tomas Stopka	<b>Profession:</b> <b>CONSTRUCTION</b>	<b>Format:</b> <b>A3</b>
<b>Structural engineer:</b> Joan Carles Capilla Ten and Maria Pia Monaco Baques, arquitectes		<b>Checked by:</b> <b>arch. Arturo de la Maza</b>	

<b>Drawing:</b> <b>STRUCTURAL</b> <b>PARTICULAR SECTIONS</b>	<b>Project stage:</b> EXECUTIVE PROJECT	<b>Drawing number:</b> <b>S</b>
	<b>Scale:</b>	
	<b>Date:</b> 07 / 2011	



**THE KEY OF MATERIALS**

-  BRICKWORK TH.140mm
-  BRICKWORK TH.270mm
-  CLAY-BRICKWORK TH.140mm
-  STONEWORK (EXPOSED) TH.450mm
-  AAC BLOCKS (YTONG) TH.75mm
-  AAC BLOCKS (YTONG) TH.150mm
-  THERMO-INSULATING LOAD-BEARING BLOCK TH.270mm
-  THERMO-INSULATING BLOCK TH.150mm
-  THERMAL INSULATION - ROCKWOOL
-  THERMAL INSULATION - STRAW BALES TH.500mm  
bale dimensions: 350x500x700mm, density 90kg/m3
-  STRUCTURE WITH TADELAKT FINISH  
tadelakt surface (2mm) on base screed (3mm)
-  STRUCTURE WITH TADELAKT FINISH  
AND LIQUID EPDM WATERPROOFING MEMBRANE  
applied beneath the tadelakt base screed (bath, shower)

ALL INTERNAL SURFACES: CLAY PLASTER, UNLESS SHOWN OTHERWISE  
ALL AREAS WITH PRESCRIBED STRAW-BALE INSULATION, WHERE THE WHOLE  
BALE DOES NOT FIT, TO BE STUFFED WITH LOOSE STRAW AND MANUALLY  
COMPACTED TO REQUIRED DENSITY OF 90kg/m3


**NOTES:**

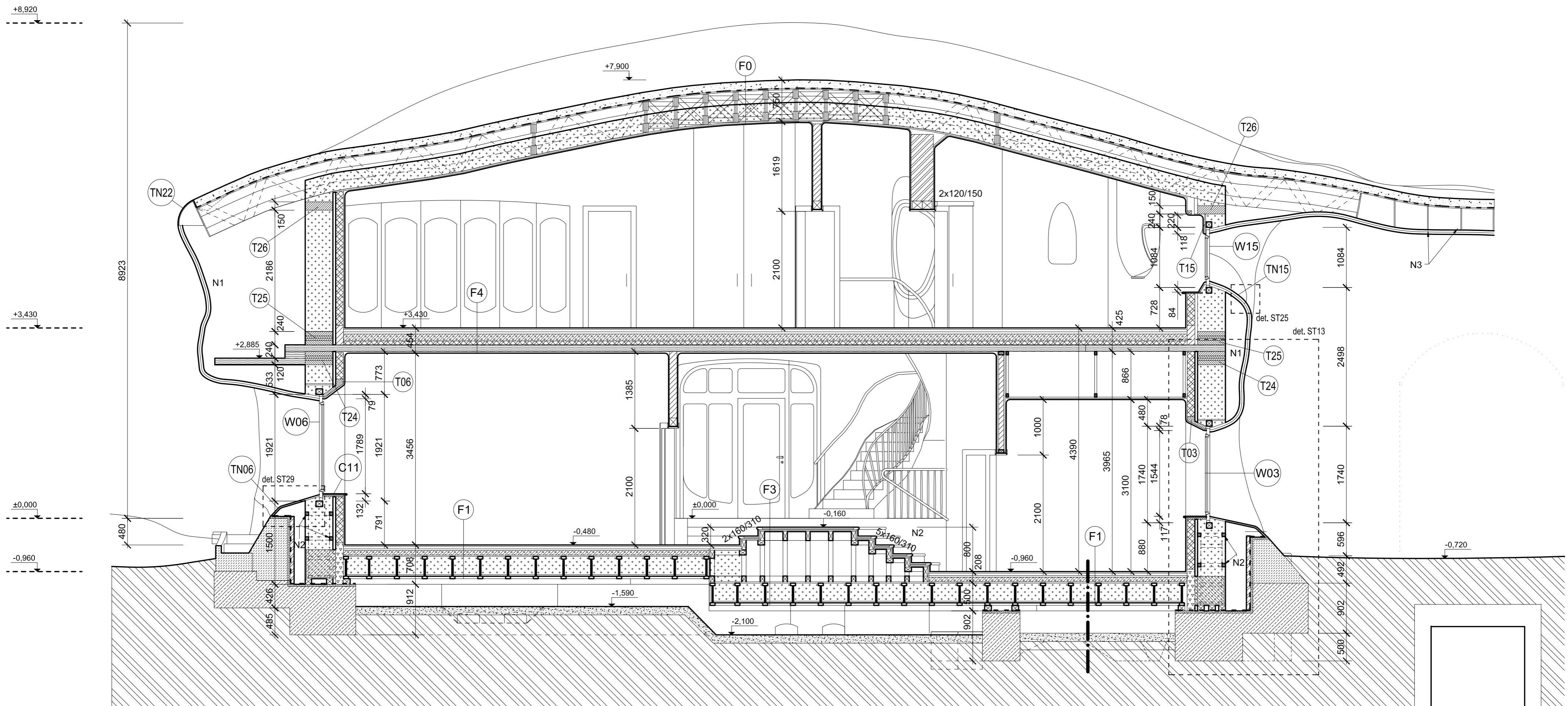
N1: For details of supporting structure for outer shell please see Timber structure project.

**Notes:**

- 1 All work to be done according to current regulations and technology rules, including health and safety.
2. In case of any doubt, uncertainty or unforeseen circumstances consultation with the architect is needed to clarify progress of work.
3. Part of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

+0,000 = 51,55 meters of the survey  
+0,000 = 25,35 meters above the sea

Project: <b>the private house in El Palol</b> property: Mas Palol (Can Fages), municipal area: Torroella de Fluvià, county: l'Alt Empordà, Spain		 <small>ak. arch. Oldřich Hozman Na Zjezdzu 16, 101 00 Praha 10 Czech Republic Czech Chamber of Architects Reg. no.: 01284 tel +420 235 31 16 22 fax +420 235 31 16 22 www.arc.cz   arc@arc.cz</small>	
Investor: <b>Zain Maitreya, s.l., Margenat 23, 08017 Barcelona, Spain</b>		Architect: <b>ak. arch. Oldřich Hozman</b>	
Structural engineer: <b>Joan Carles Capilla Ten and Maria Pia Monaco Baques, arquitectes</b>		Drawn by: <b>Ing. arch. Jan Soukup Ing. Tomas Stopka</b>	
Drawing: <b>S1</b> CROSS SECTION		Profession: <b>CONSTRUCTION</b>	
Project stage: EXECUTIVE PROJECT		Checked by: <b>arch. Arturo de la Maza</b>	
Scale: 1 : 50		Drawing number: <b>S01</b>	
Date: 07 / 2011			



**THE KEY OF MATERIALS**

- BRICKWORK TH.140mm
- BRICKWORK TH.270mm
- CLAY-BRICKWORK TH.140mm
- STONEWORK (EXPOSED) TH.450mm
- AAC BLOCKS (YTONG) TH.75mm
- AAC BLOCKS (YTONG) TH.150mm
- THERMO-INSULATING LOAD-BEARING BLOCK TH.270mm
- THERMO-INSULATING BLOCK TH.150mm
- THERMAL INSULATION - ROCKWOOL
- THERMAL INSULATION - STRAW BALES TH.500mm  
bale dimensions: 350x500x700mm, density 90kg/m<sup>3</sup>
- STRUCTURE WITH TADELAKT FINISH  
tadelakt surface (2mm) on base screed (3mm)
- STRUCTURE WITH TADELAKT FINISH  
AND LIQUID EPDM WATERPROOFING MEMBRANE  
applied beneath the tadelakt base screed (bath, shower)

ALL INTERNAL SURFACES: CLAY PLASTER, UNLESS SHOWN OTHERWISE  
ALL AREAS WITH PRESCRIBED STRAW-BALE INSULATION, WHERE THE WHOLE  
BALE DOES NOT FIT, TO BE STUFFED WITH LOOSE STRAW AND MANUALLY  
COMPACTED TO REQUIRED DENSITY OF 90kg/m<sup>3</sup>

**NOTES:**

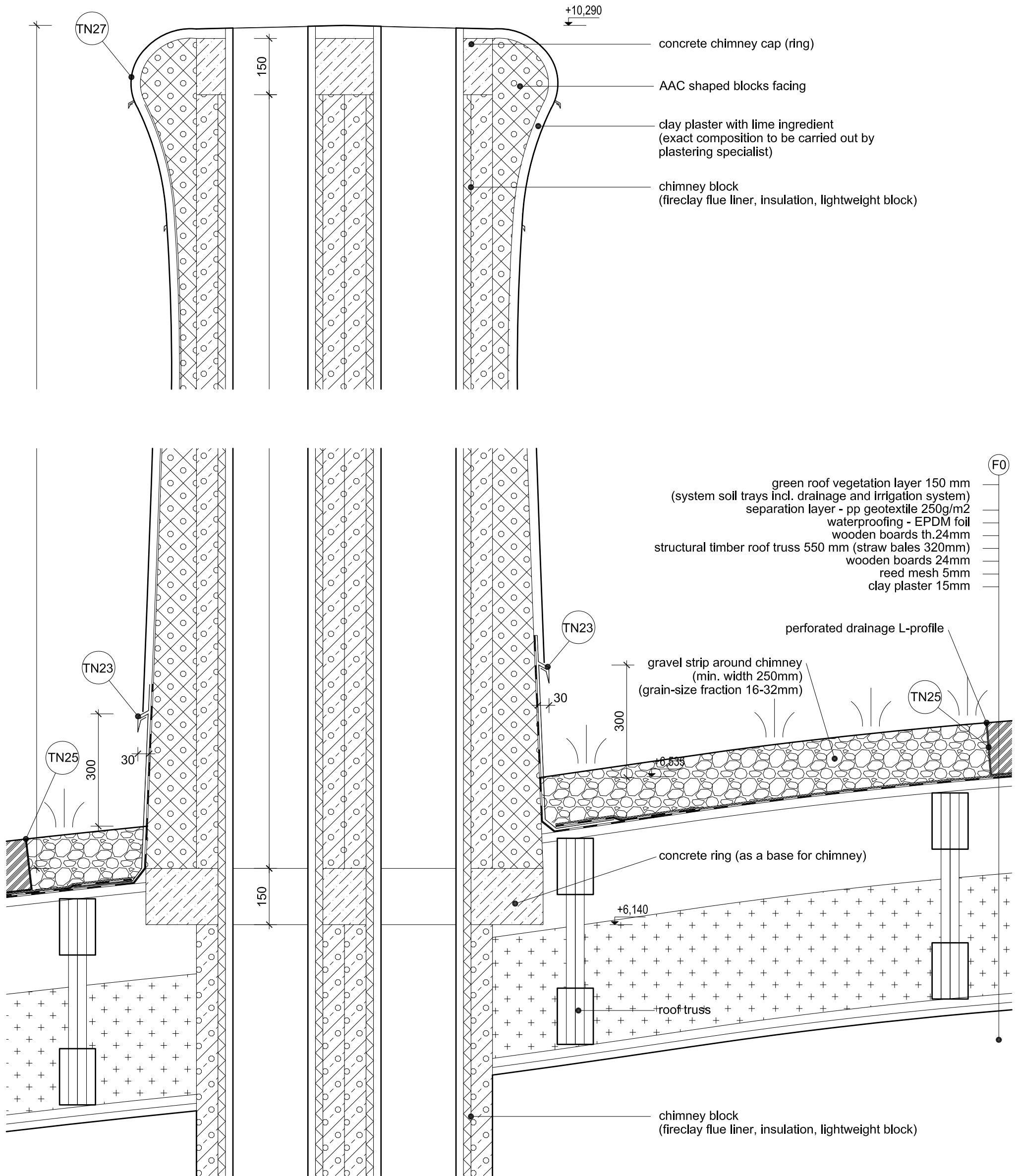
- N1: For details of supporting structure for outer shell please see Timber structure project.
- N2: Independent structure to support diagonal wind-bracing below the windows. Consists of two 500mm studs tied together at the top and bottom with wooden beams to form a cubic frame structure. Fixed to the ground, height below frames around the windows, independent of these frames. For details see Structural drawings.
- N3: OSB on current wall (set roof's "neck" shape, see dr. 14 Roof truss layout)

**Notes:**

- 1 All work to be done according to current regulations and technology rules, including health and safety.
2. In case of any doubt, uncertainty or unforeseen circumstances consultation with the architect is needed to clarify progress of work.
3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

+0,000 = 51,55 meters of the survey  
+0,000 = 25,35 meters above the sea

Project: <b>the private house in El Palol</b> property: Mas Palol (Can Fages), municipal area: Torroella de Fluvià, county: l'Alt Empordà, Spain		 <small>           ak. arch. Oldřich Hozman            Na Zajezdu 16, 101 00 Praha 10            Czech Republic            Czech Chamber of Architects Reg. no.: 01284            tel +420 235 31 16 22            fax +420 235 31 16 22            www.arc.cz   arc@arc.cz         </small>	
Investor: <b>Zain Maitreya, s.l., Margenat 23, 08017 Barcelona, Spain</b>		Profession: <b>CONSTRUCTION</b> Format: <b>A2</b>	
Architect: <b>ak. arch. Oldřich Hozman</b>		Drawn by: <b>Ing. arch. Jan Soukup Ing. Tomas Stopka</b>	
Structural engineer: <b>Joan Carles Capilla Ten and Maria Pia Monaco Baques, arquitectes</b>		Checked by: <b>arch. Arturo de la Maza</b>	
Drawing: <b>S2-2'</b> LONGITUDINAL SECTION		Project stage: <b>EXECUTIVE PROJECT</b> Scale: <b>1 : 50</b> Date: <b>07 / 2011</b>	
		<b>Drawing number:</b> <span style="font-size: 2em; font-weight: bold;">S02</span>	



**Notes:**

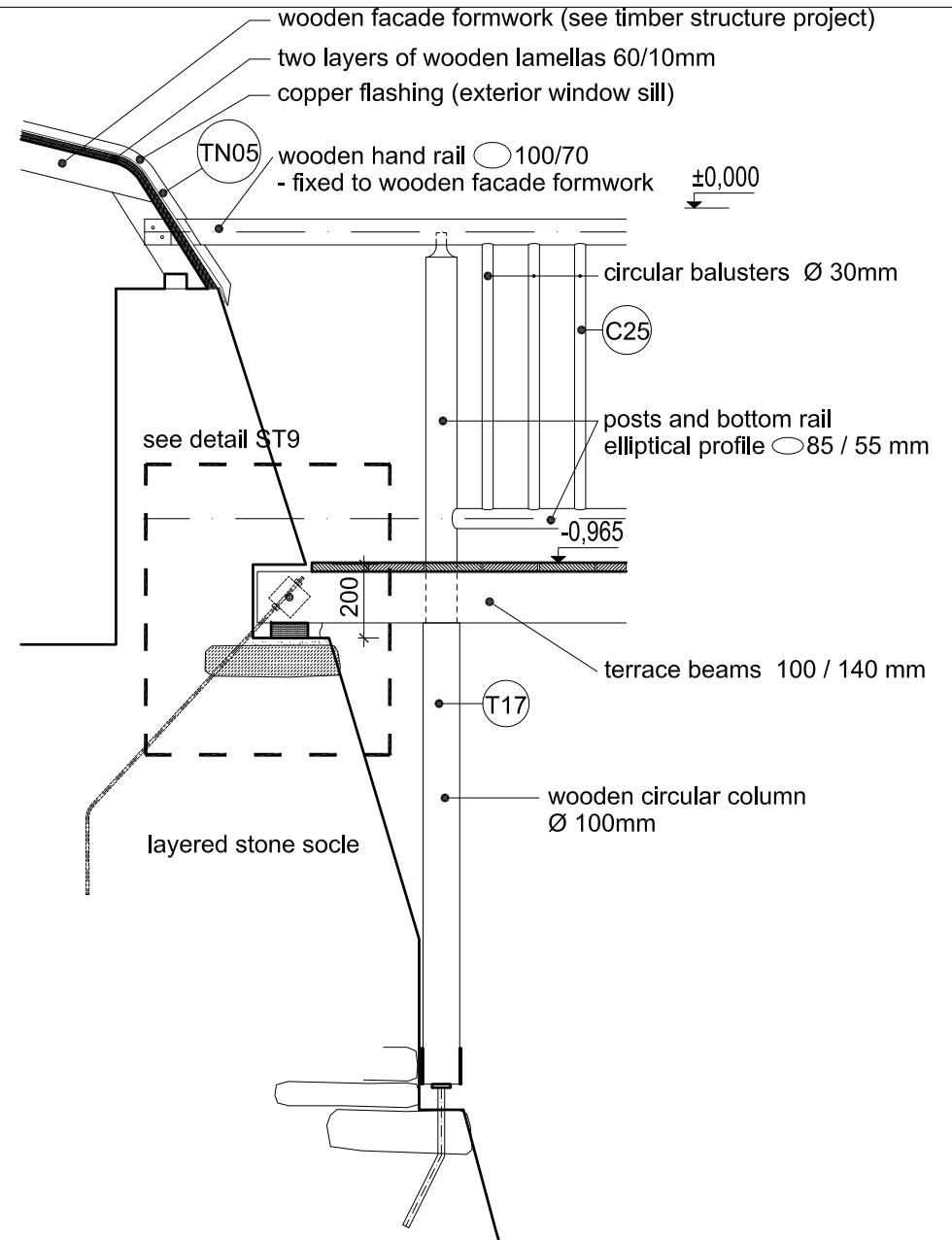
- 1 All work to be done according to current regulations and technology rules, including health and safety.
2. In case of any doubt, uncertainty or unforeseen circumstances consultation with the architect is needed to clarify progress of work.
3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

DETAIL: <b>SECTION S3</b> DETAIL OF CHIMNEY STRUCTURE	State of the project: EXECUTIVE PROJECT	Drawing number:
	Scale: 1 : 10	<b>S3</b>
	Date: 07 / 2011	

S4-4'

m 1:20

TERRACE - COLUMN ON SOCLE, RAILING'S ENDING



Notes:

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2. In case of any doubt, uncertainty or unforeseen circumstances consultation with the architect is needed to clarify progress of work.
3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

DETAIL:

**SECTION S4**  
Terrace - column on socle, railing's ending

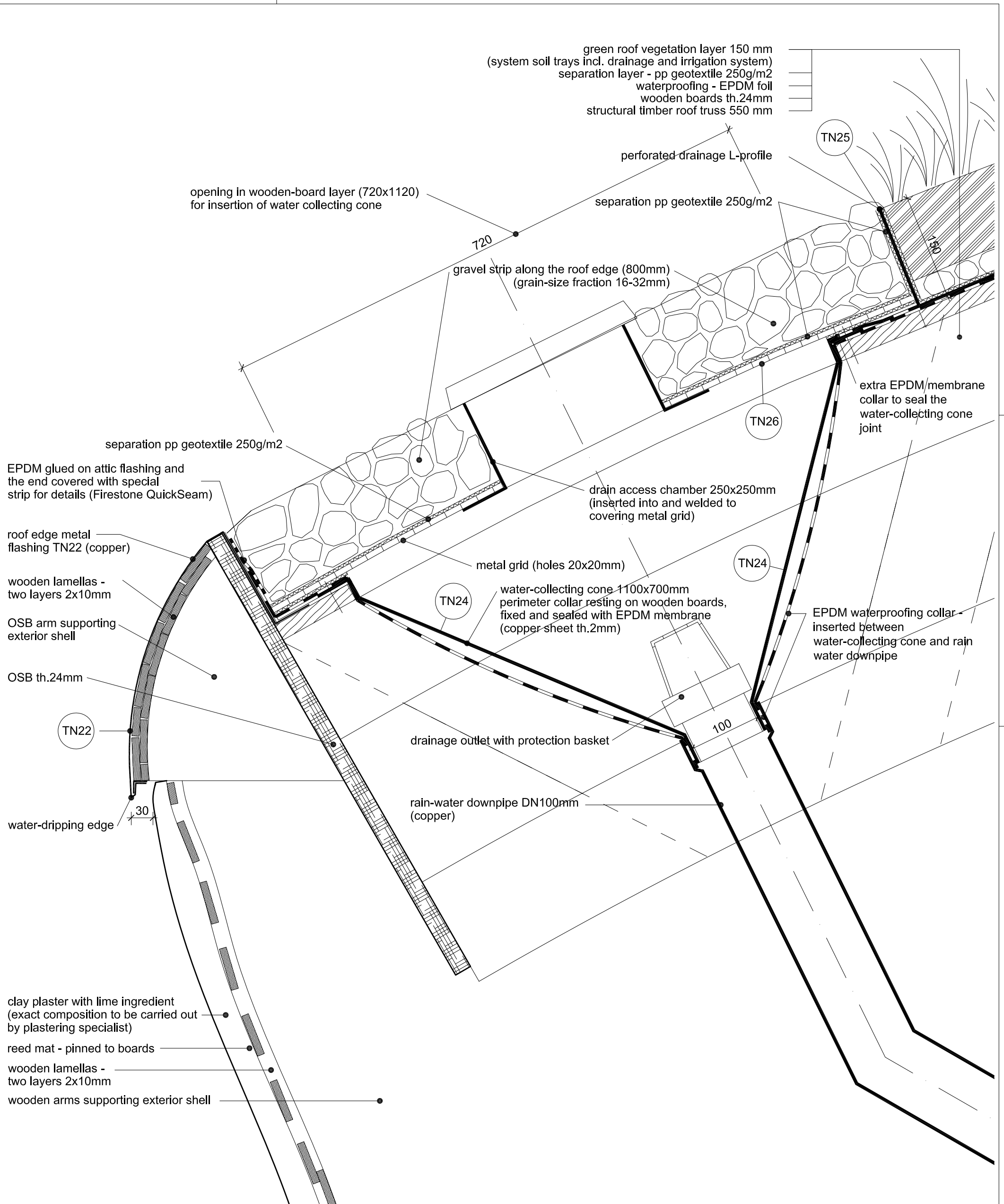
State of the project: EXECUTIVE PROJECT

Drawing number:

Scale: 1 : 20

Date: 07 / 2011

**S4**



Notes:

- 1 All work to be done according to current regulations and technology rules, including health and safety.
2. In case of any doubt, uncertainty or unforeseen circumstances consultation with the architect is needed to clarify progress of work.
3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

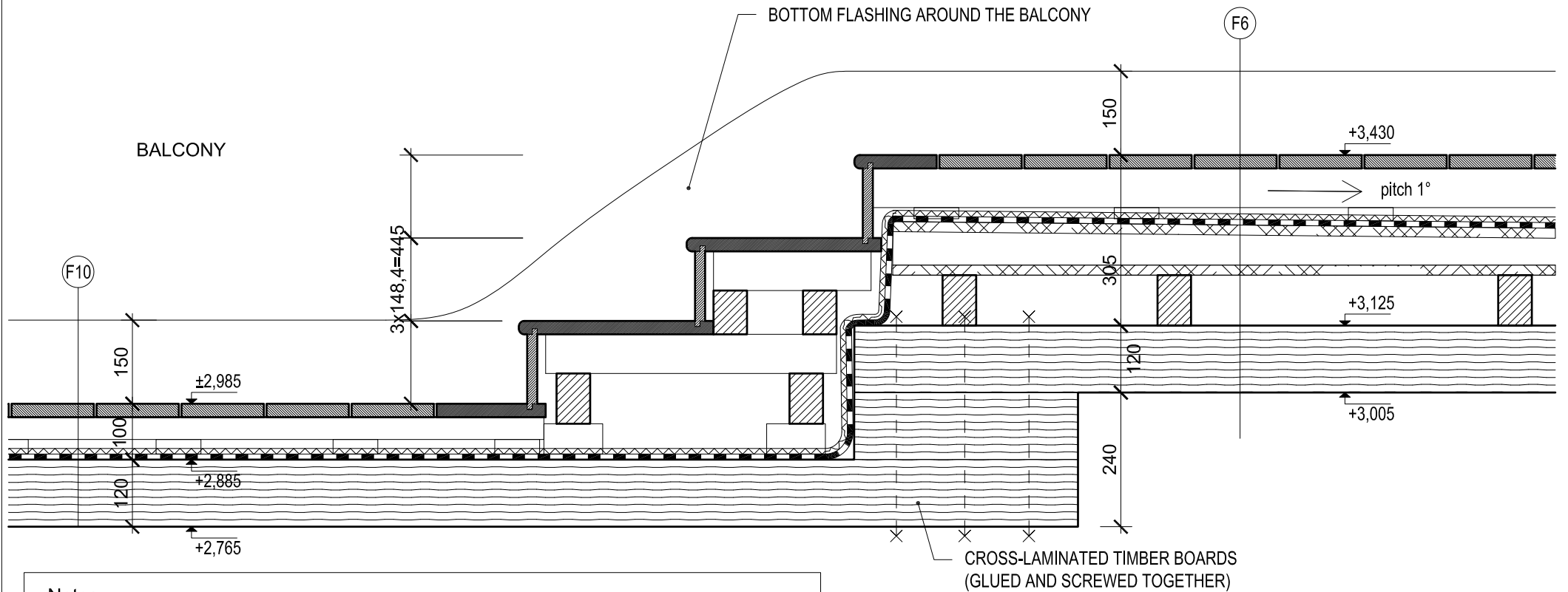
DETAIL:

**SECTION S05**  
**DETAIL OF ROOF DRAINAGE OUTLET**

State of the project: EXECUTIVE PROJECT  
Scale: 1 : 5  
Date: 07 / 2011

Drawing number:

**S05**



Notes:

- 1 All work to be done according to current regulations and technology rules, including health and safety.
2. In case of any doubt, uncertainty or unforeseen circumstances consultation with the architect is needed to clarify progress of work.
3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

DETAIL:

**SECTION S6**  
Balcony stairs - leading to lowered part

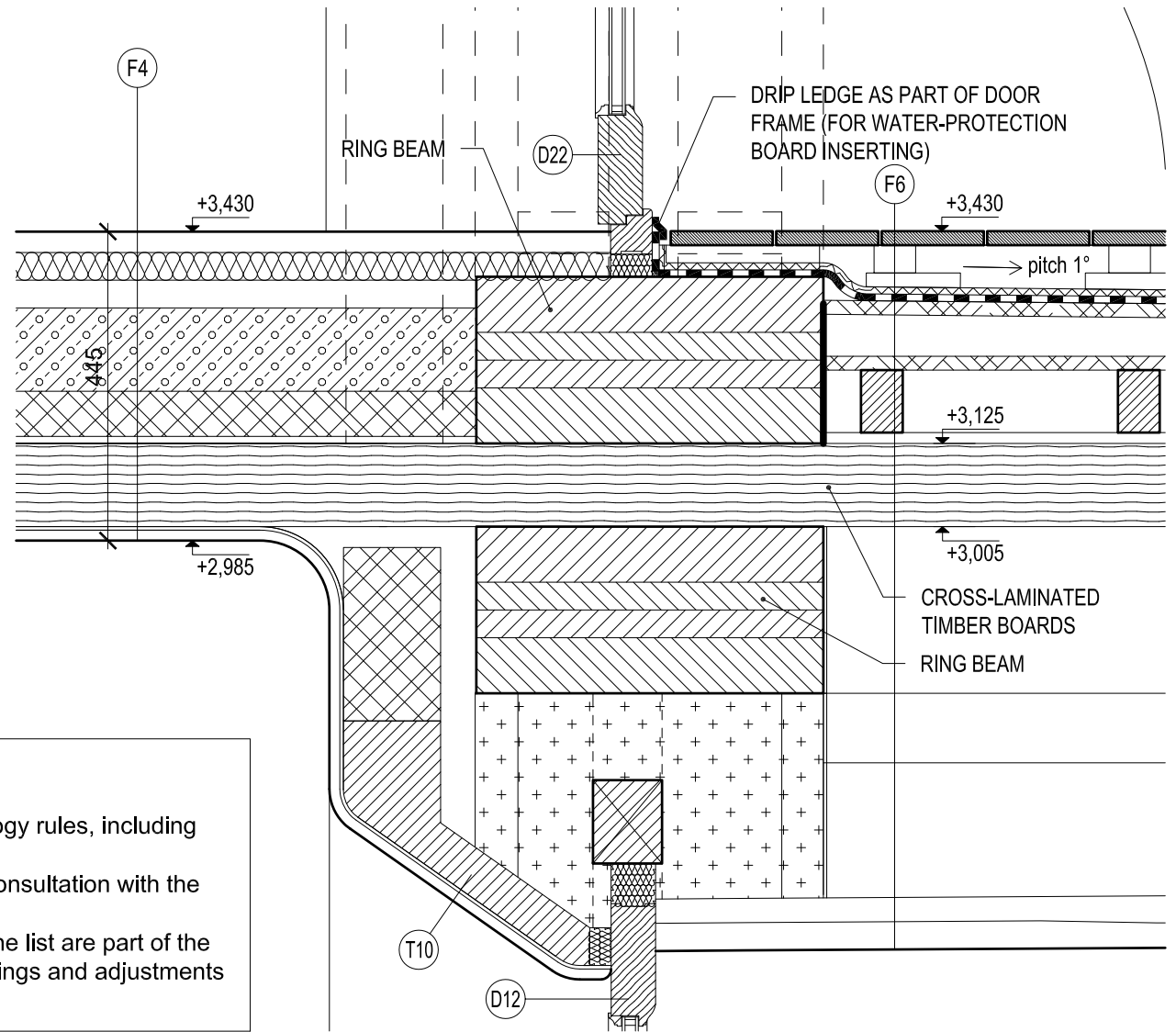
State of the project: EXECUTIVE PROJECT

Scale: 1 : 10

Date: 07 / 2011

Drawing number:

**S6**



Notes:

- 1 All work to be done according to current regulations and technology rules, including health and safety.
2. In case of any doubt, uncertainty or unforeseen circumstances consultation with the architect is needed to clarify progress of work.
3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

DETAIL:

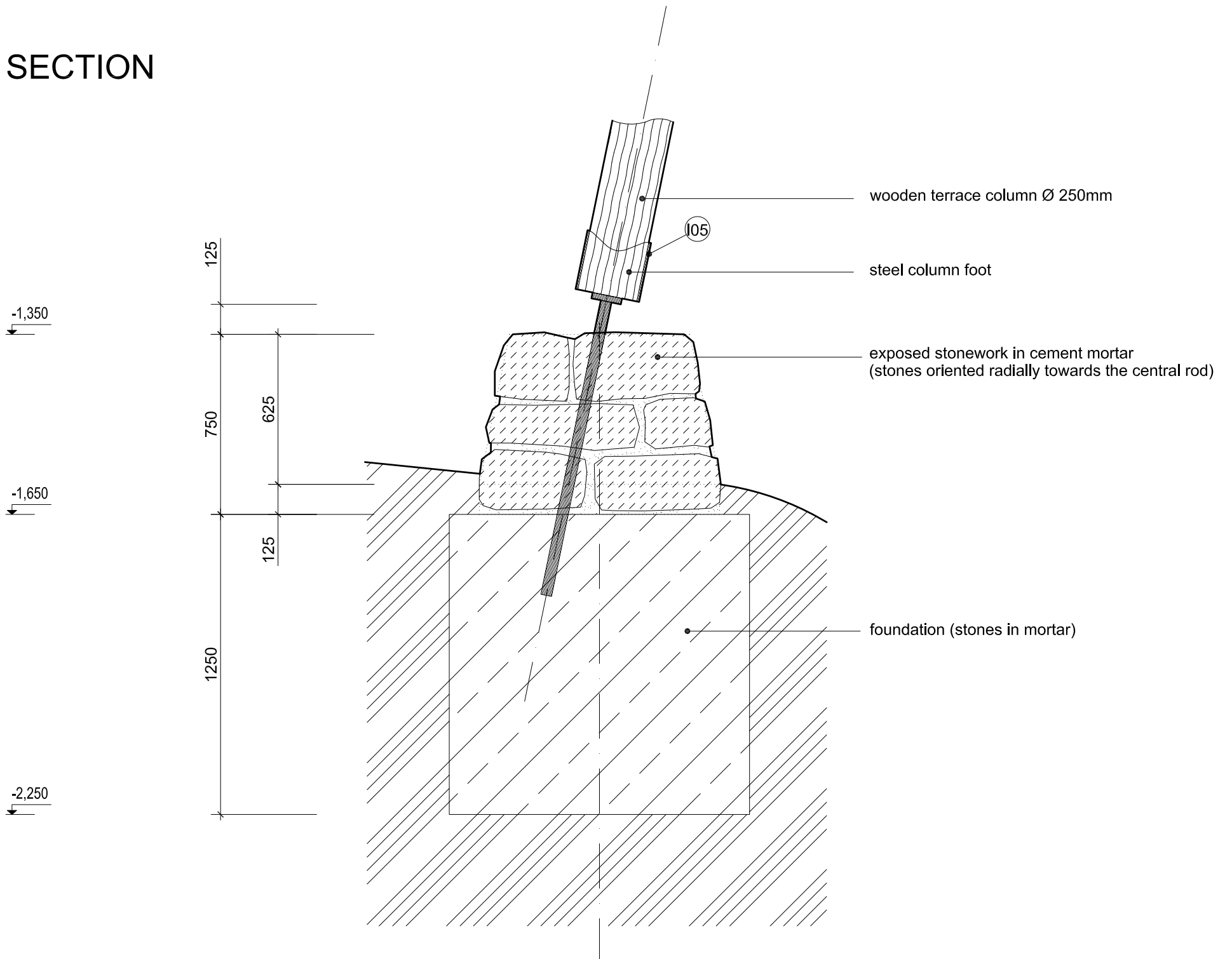
**SECTION S7**  
Doors to balcony- threshold detail

State of the project:	EXECUTIVE PROJECT	Drawing number:
Scale:	1 : 10	
Date:	07 / 2011	

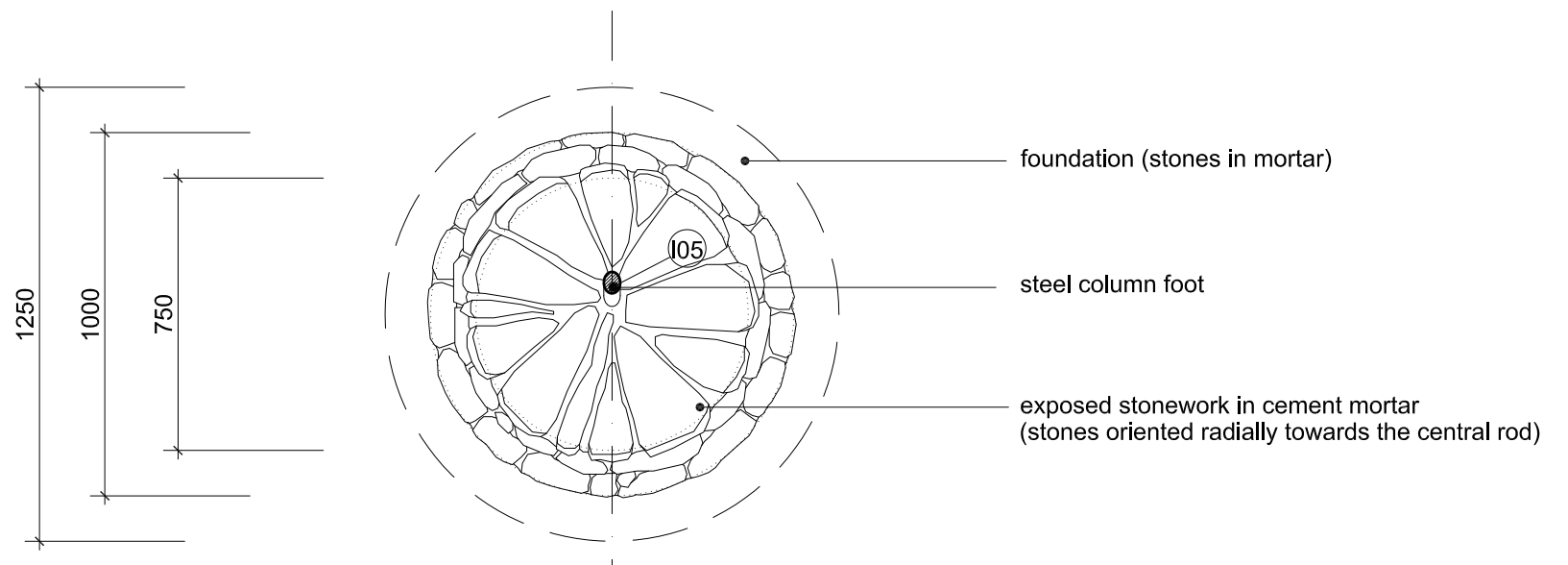
**S7**



SECTION



PLAN



Notes:

- 1 All work to be done according to current regulations and technology rules, including health and safety.
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3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

the Key of materials:

- |  |   |  |   |
|--|---|--|---|
|  | Stones in cement mortar (foundations)           |  | Terrain   |
|  | Stone wall (exposed stonework)                  |  | Stone Arch                                      |
|  | Clay bricks                                     |  | Foam glass                                      |
|  | Fired bricks                                    |  | Timber structure element                        |
|  | Cement screed for closing top of the stone wall |  | Stone   |
|  | Gravel  |  | sub-base - burnt expanded clay pearles (LIAPOR) |
|  |   |  | Asphalt board                                   |

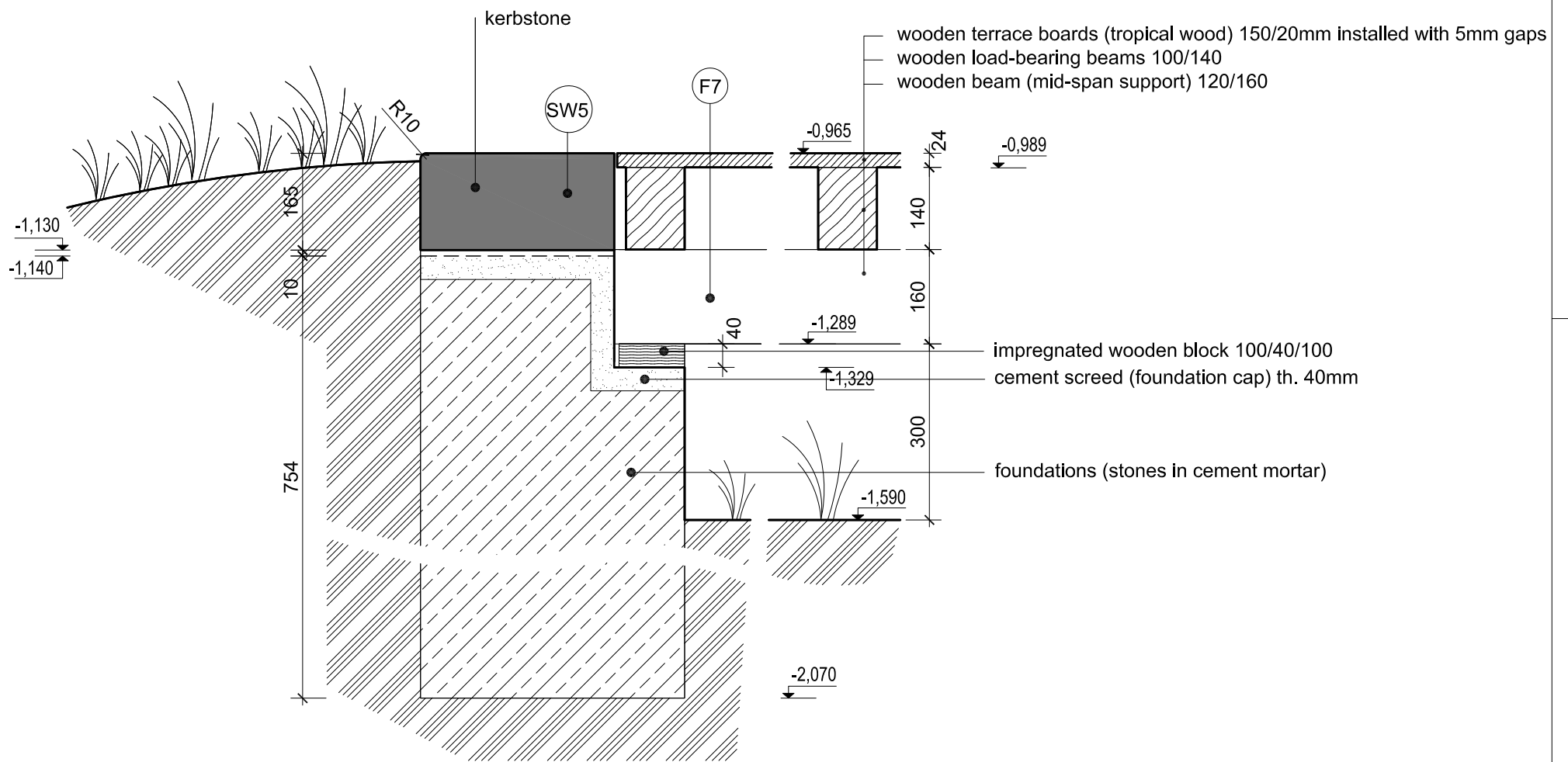
DETAIL:

**SECTION S9**  
TERRACE COLUMN FOOT

State of the project: EXECUTIVE PROJECT  
Scale: 1 : 20  
Date: 02 / 2010

Drawing number:

**S9**



Notes:

- 1 All work to be done according to current regulations and technology rules, including health and safety.
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3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

the Key of materials:

	Stones in cement mortar (foundations)		Terrain
	Stone wall (exposed stonework)		Stone Arch
	Clay bricks		Foam glass
	Fired bricks		Timber structure element
	Cement screed for closing top of the stone wall		Stone
	Gravel		sub-base - burnt expanded clay pearles (LIAPOR)
			Asphalt board

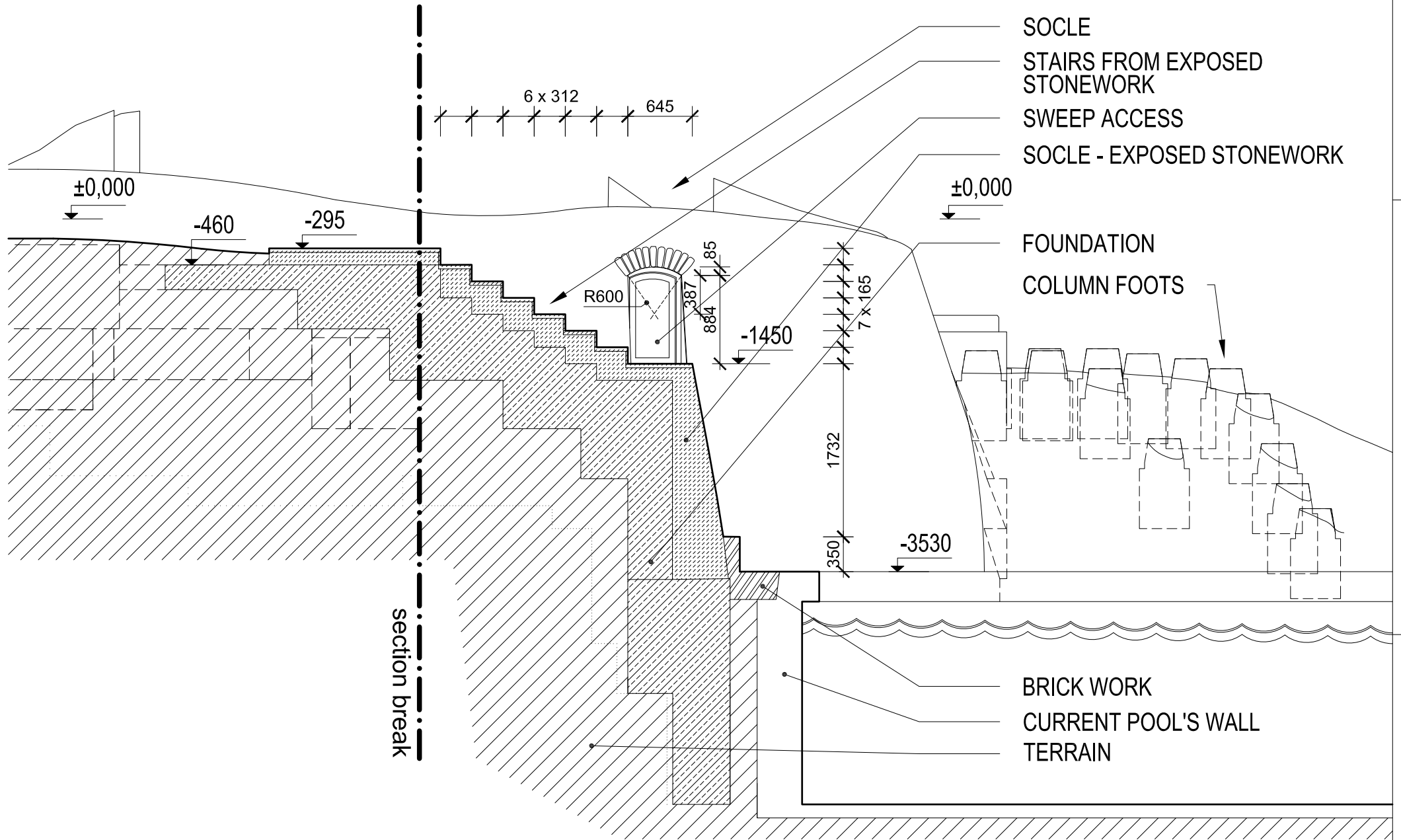
DETAIL:

**SECTION S10-10'**  
DETAIL OF TERRACE EDGE

State of the project: EXECUTIVE PROJECT  
Scale: 1 : 10  
Date: 07 / 2011

Drawing number:

**S10**



Notes:

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3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

the Key of materials:

- |  |   |  |   |
|--|---|--|---|
|  | Stones in cement mortar (foundations)           |  | Terrain   |
|  | Stone wall (exposed stonework)                  |  | Stone Arch                                      |
|  | Clay bricks                                     |  | Foam glass                                      |
|  | Fired bricks                                    |  | Timber structure element                        |
|  | Cement screed for closing top of the stone wall |  | Stone   |
|  | Gravel  |  | sub-base - burnt expanded clay pearles (LIAPOR) |
|  |   |  | Asphalt board                                   |

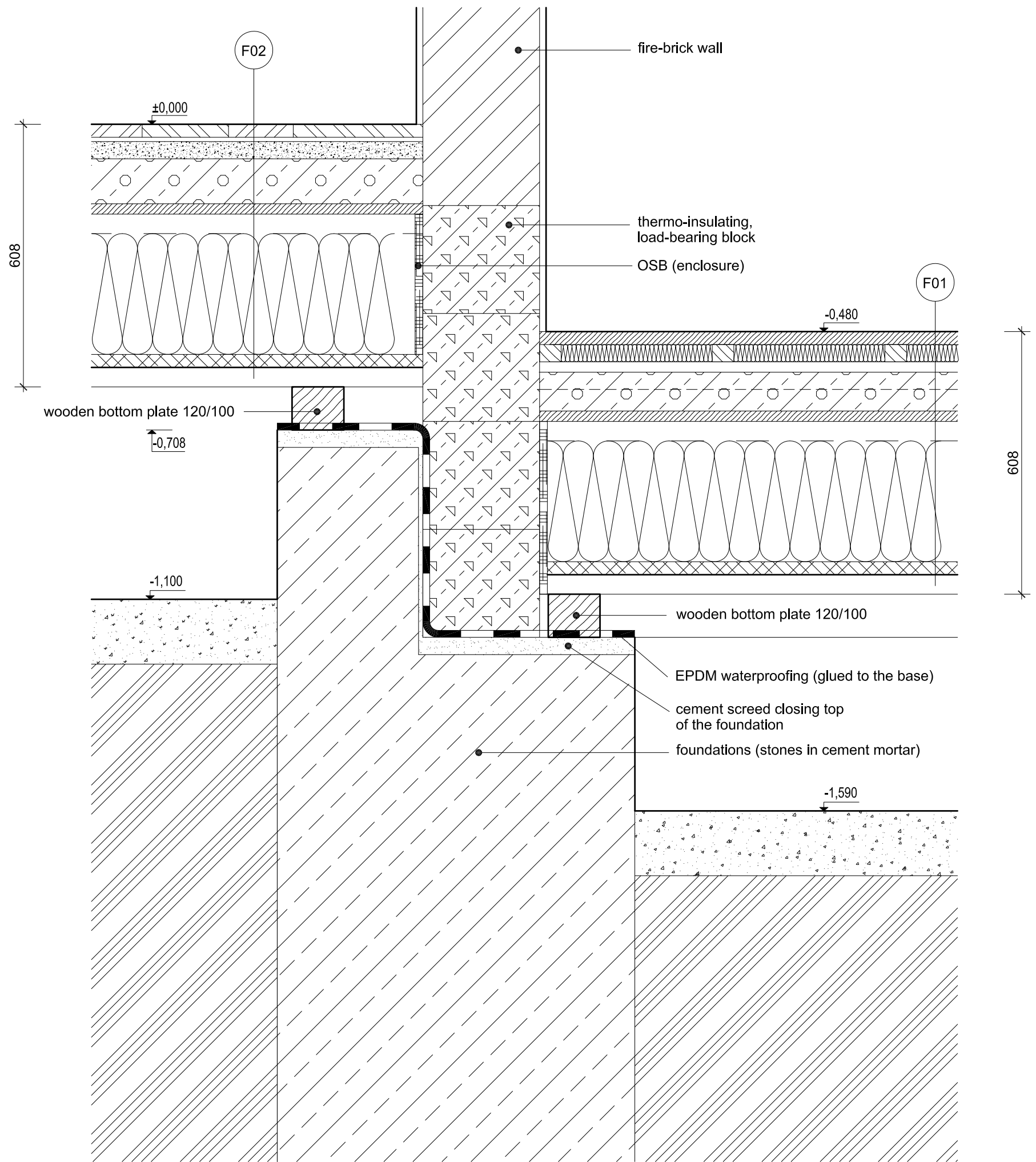
DETAIL:

**SECTION S15**  
EXTERIOR STAIRCASE LEADING TO SWEEP ACCESS

State of the project: EXECUTIVE PROJECT  
Scale: 1 : 50  
Date: 07 / 2011

Drawing number:

**S15**



Notes:

- 1 All work to be done according to current regulations and technology rules, including health and safety.
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3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

the Key of materials:

- |  |   |  |   |
|--|---|--|---|
|  | Stones in cement mortar (foundations)           |  | Terrain   |
|  | Stone wall (exposed stonework)                  |  | Stone Arch                                      |
|  | Clay bricks                                     |  | Foam glass                                      |
|  | Fired bricks                                    |  | Timber structure element                        |
|  | Cement screed for closing top of the stone wall |  | Stone   |
|  | Gravel  |  | sub-base - burnt expanded clay pearles (LIAPOR) |
|  |   |  | Asphalt board                                   |

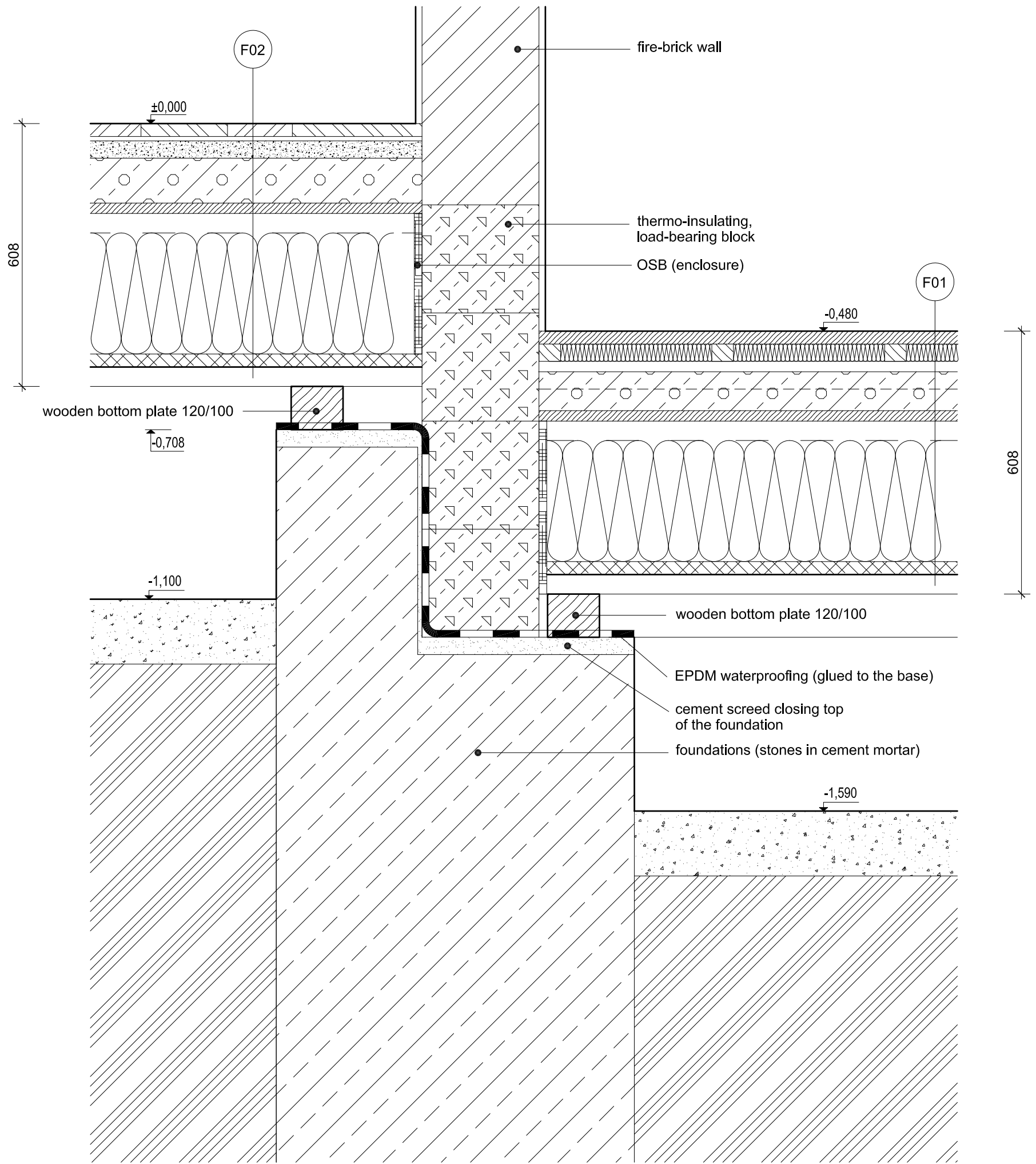
DETAIL:

**SECTION S17**  
TWO-LEVELS-FLOOR JOINT

State of the project: EXECUTIVE PROJECT  
Scale: 1 : 10  
Date: 07 / 2011

Drawing number:

**S17**



Notes:

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the Key of materials:

- |  |   |  |   |
|--|---|--|---|
|  | Stones in cement mortar (foundations)           |  | Terrain   |
|  | Stone wall (exposed stonework)                  |  | Stone Arch                                      |
|  | Clay bricks                                     |  | Foam glass                                      |
|  | Fired bricks                                    |  | Timber structure element                        |
|  | Cement screed for closing top of the stone wall |  | Stone   |
|  | Gravel  |  | sub-base - burnt expanded clay pearles (LIAPOR) |
|  |   |  | Asphalt board                                   |

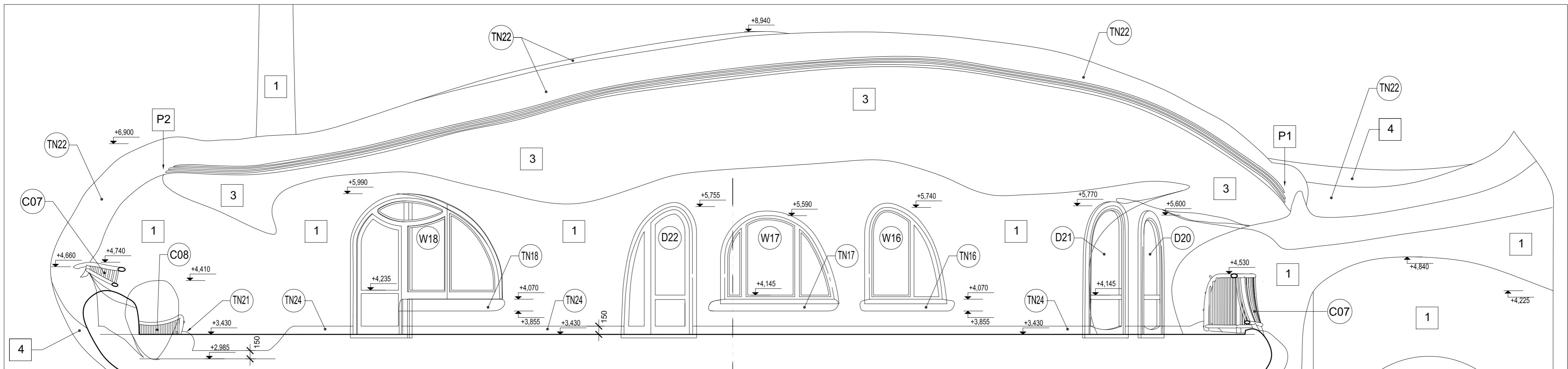
DETAIL:

**SECTION S18**  
TWO-LEVELS-FLOOR JOINT

State of the project: EXECUTIVE PROJECT  
Scale: 1 : 10  
Date: 07 / 2011

Drawing number:

**S18**




Key of notes:

- |     |  |
|-----|--|
| 1   | 1 Clay plaster (20 mm + 20 mm)         |
|     | 2 Stonework                            |
|     | 3 Wooden lamellas - radial orientation |
|     | 4 Green roof                           |
|     | 5 Rubble - green roof's border         |
|     |  |
| W13 | C Carpentry                            |
|     | D Doors                                |
|     | I Ironmongery                          |
|     | T Timber elements                      |
|     | TN Thinner elements                    |
|     | SW Stoneworks                          |
|     | W Windows                              |

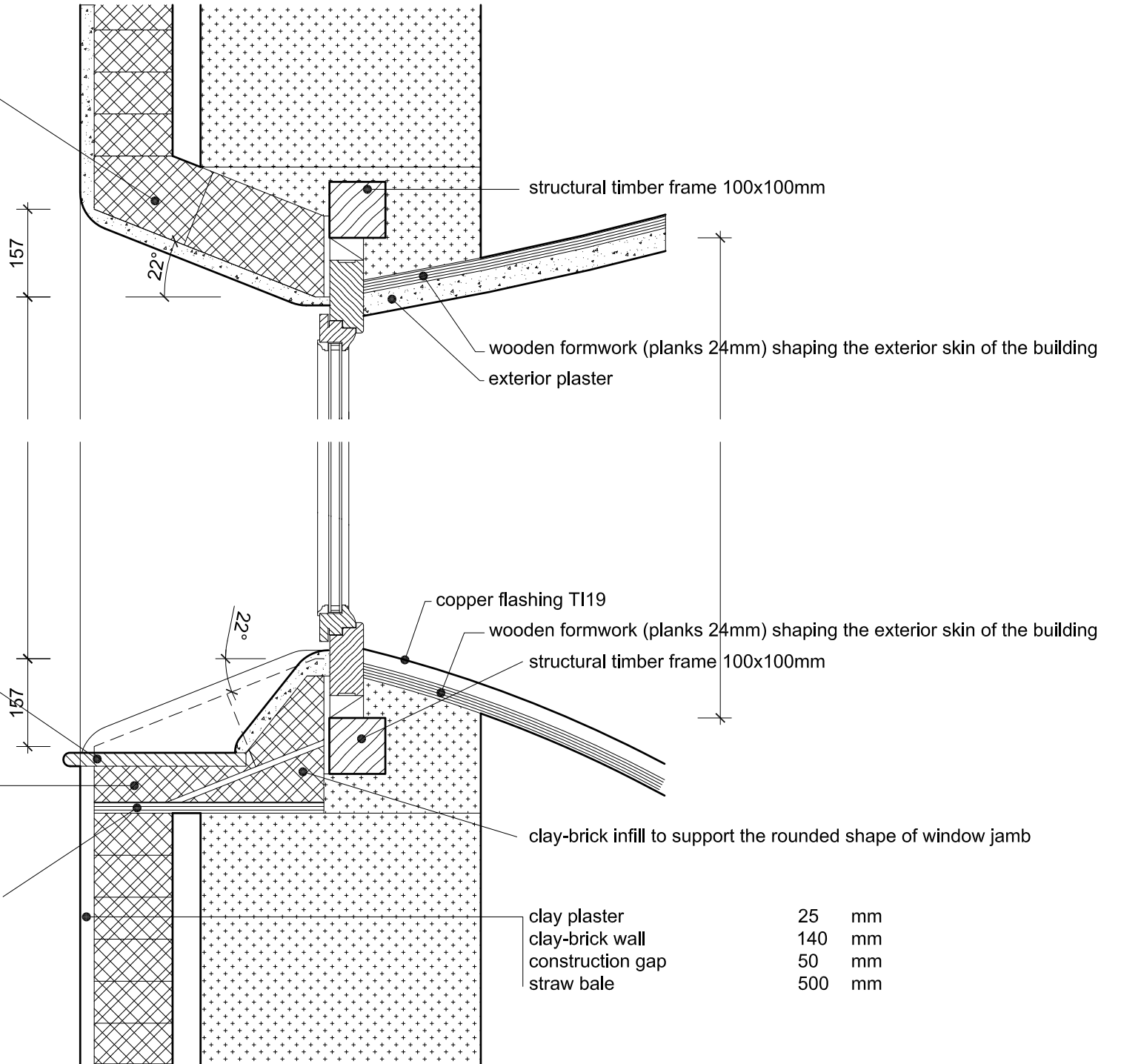
Notes:

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3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

+0,000 = 51,55 meters of the survey  
+0,000 = 25,35 meters above the sea

Project: <b>the private house in El Palol</b> property: Mas Palol (Can Fages), municipal area: Torroella de Fluvià, county: l'Alt Empordà, Spain		 <small>ak. arch. Oldřich Hozman  Na Zajezdu 16, 101 00 Praha 10  Czech Republic  Czech Chamber of Architects Reg. no.: 01284  tel + 420 235 31 16 22  fax + 420 235 31 16 22  www.arc.cz   arc@arc.cz</small>			
Investor: Zain Maitreya, s.l., Margenat 23, 08017 Barcelona, Spain		Architect: ak. arch. Oldřich Hozman	Drawn by: Ing. arch. Jan Soukup Ing. Tomas Stopka	Profession: CONSTRUCTION	Format: A2
Structural engineer: Joan Carles Capilla Ten and Maria Pia Monaco Baques, arquitectes		Checked by: arch. Arturo de la Maza		Drawing number: <b>S19</b>	
Drawing: <b>S19</b> SOUTH ELEVATION - BALCONY VIEW		Project stage: EXECUTIVE PROJECT		Date: 07 / 2011	

rounded brick jamb (clay brick vault) along the window perimeter - cone-shaped, opening into the room at 22°



small elliptical wooden window sill C22 locally cut into rounded brick jamb

rounded brick jamb (clay brick vault) along the window perimeter - cone-shaped, opening into the room at 22°

parapet board (OSB) resting on clay-brick wall to support rounded brick jamb

copper flashing T119

wooden formwork (planks 24mm) shaping the exterior skin of the building

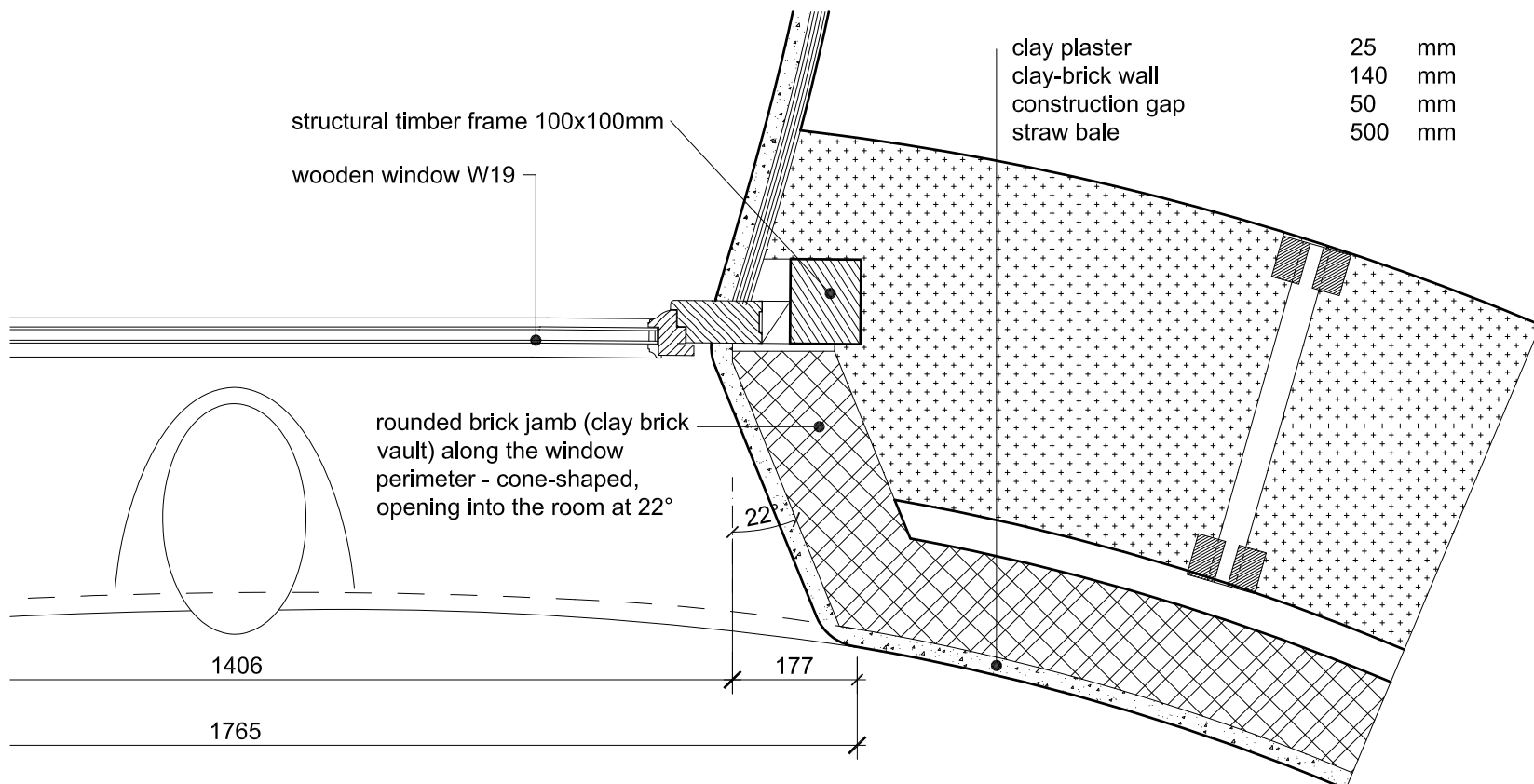
structural timber frame 100x100mm

clay-brick infill to support the rounded shape of window jamb

clay plaster	25	mm
clay-brick wall	140	mm
construction gap	50	mm
straw bale	500	mm

structural timber frame 100x100mm

wooden window W19



rounded brick jamb (clay brick vault) along the window perimeter - cone-shaped, opening into the room at 22°

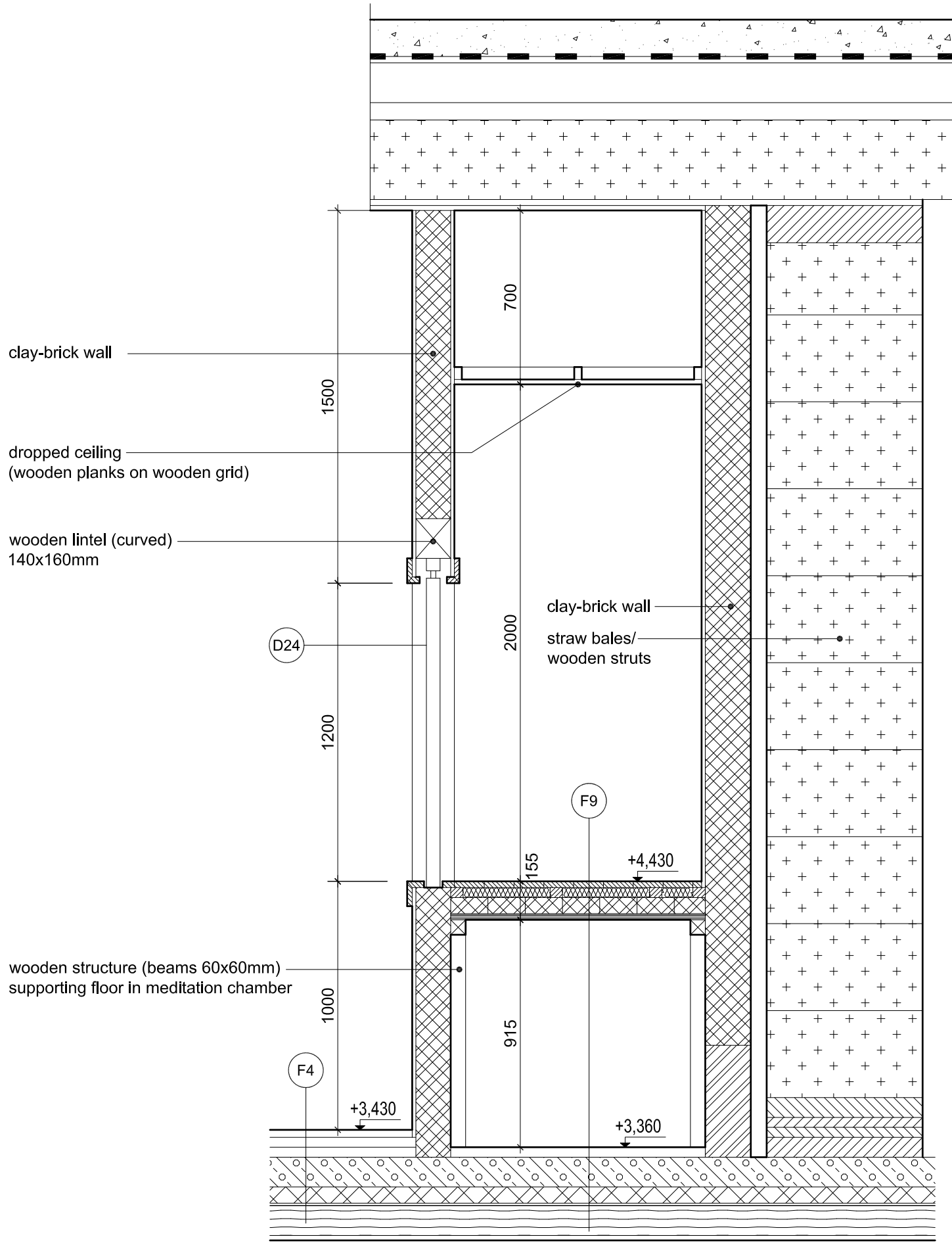
clay plaster	25	mm
clay-brick wall	140	mm
construction gap	50	mm
straw bale	500	mm

DETAIL OF ROUND WINDOW BRICK JAMB - PLAN 1:10

Notes:

- 1 All work to be done according to current regulations and technology rules, including health and safety.
2. In case of any doubt, uncertainty or unforeseen circumstances consultation with the architect is needed to clarify progress of work.
3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

DETAIL: <b>SECTION S20-20'</b> DETAIL OF ROUND WINDOW SILL AND HEAD	State of the project:	EXECUTIVE PROJECT	Drawing number:  <b>S20</b>
	Scale:	1 : 10	
	Date:	02 / 2010	



Notes:

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2. In case of any doubt, uncertainty or unforeseen circumstances consultation with the architect is needed to clarify progress of work.
3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

the Key of materials:

- |  |   |  |  |
|--|---|--|--|
|  | Stones in cement mortar (foundations)           |  | Terrain  |
|  | Stone wall (exposed stonework)                  |  | Stone Arch                                     |
|  | Clay bricks                                     |  | Foam glass                                     |
|  | Fired bricks                                    |  | Timber structure element                       |
|  | Cement screed for closing top of the stone wall |  | Stone  |
|  | Gravel  |  | sub-base - burnt expanded clay pearls (LIAPOR) |
|  |   |  | Asphalt board                                  |

DETAIL:

**STRUCTURAL**  
DETAIL OF MEDITATION CHAMBER

State of the project: EXECUTIVE PROJECT  
Scale: 1 : 20  
Date: 07 / 2011

Drawing number:

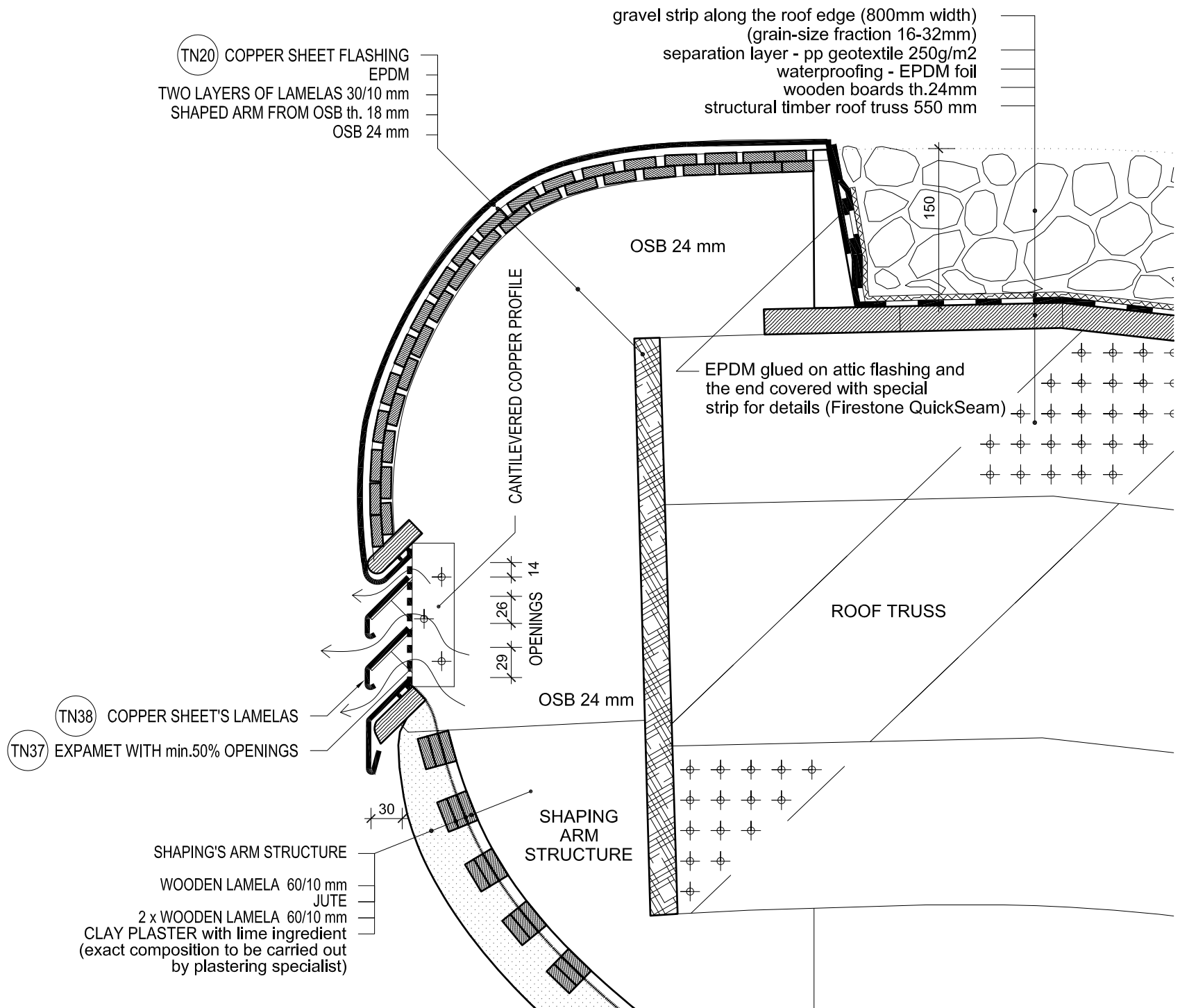
**S21**



# ST22 ATTIC WITH VENTILATION OPENINGS

m 1:5

IN SECTION S1-1'



## Notes:

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3. Drawing of individual professions and other documentation on the list are part of the main drawing. It is necessary to coordinate building structure drawings and adjustments made by other professions.

## the Key of materials:

	Stones in cement mortar (foundations)		Terrain
	Stone wall (exposed stonework)		Stone Arch
	Clay bricks		Foam glass
	Fired bricks		Timber structure element
	Cement screed for closing top of the stone wall		Stone
	Gravel		sub-base - burnt expanded clay pearles (LIAPOR)
			Asphalt board

DETAIL:

**STRUCTURAL**  
DETAIL OF SHELL - ATTIC SOLUTION WITH VENTILATION OPENINGS

State of the project: EXECUTIVE PROJECT

Scale: 1 : 5

Date: 07 / 2011

Drawing number:

**ST22**