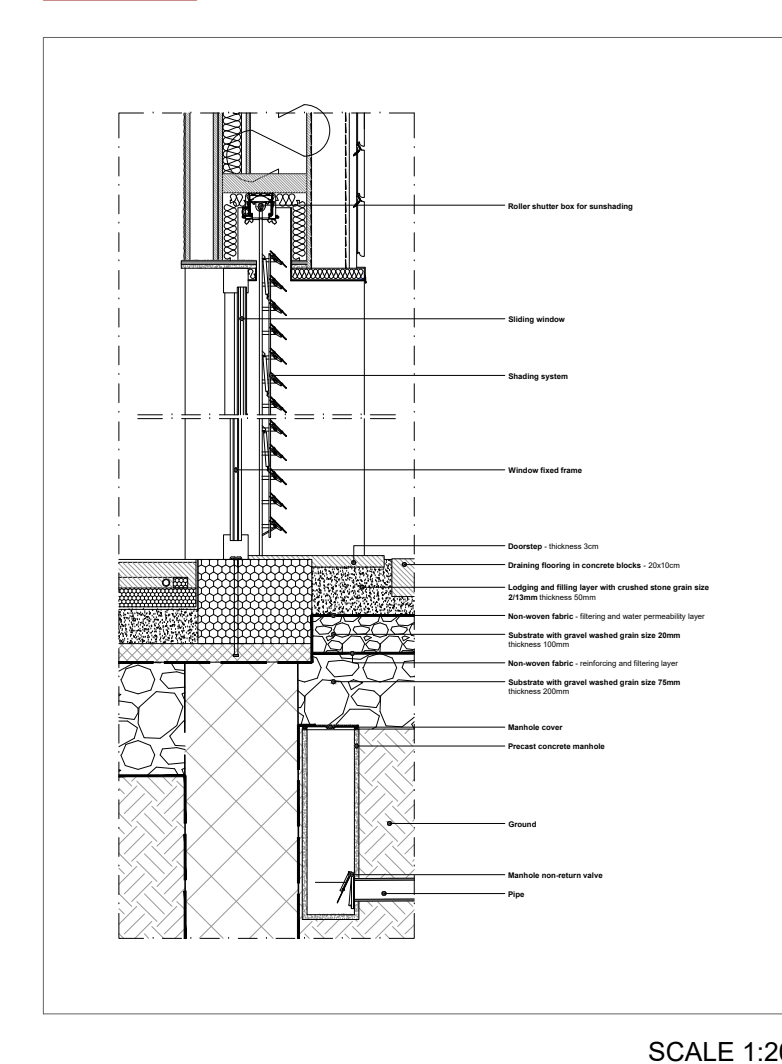
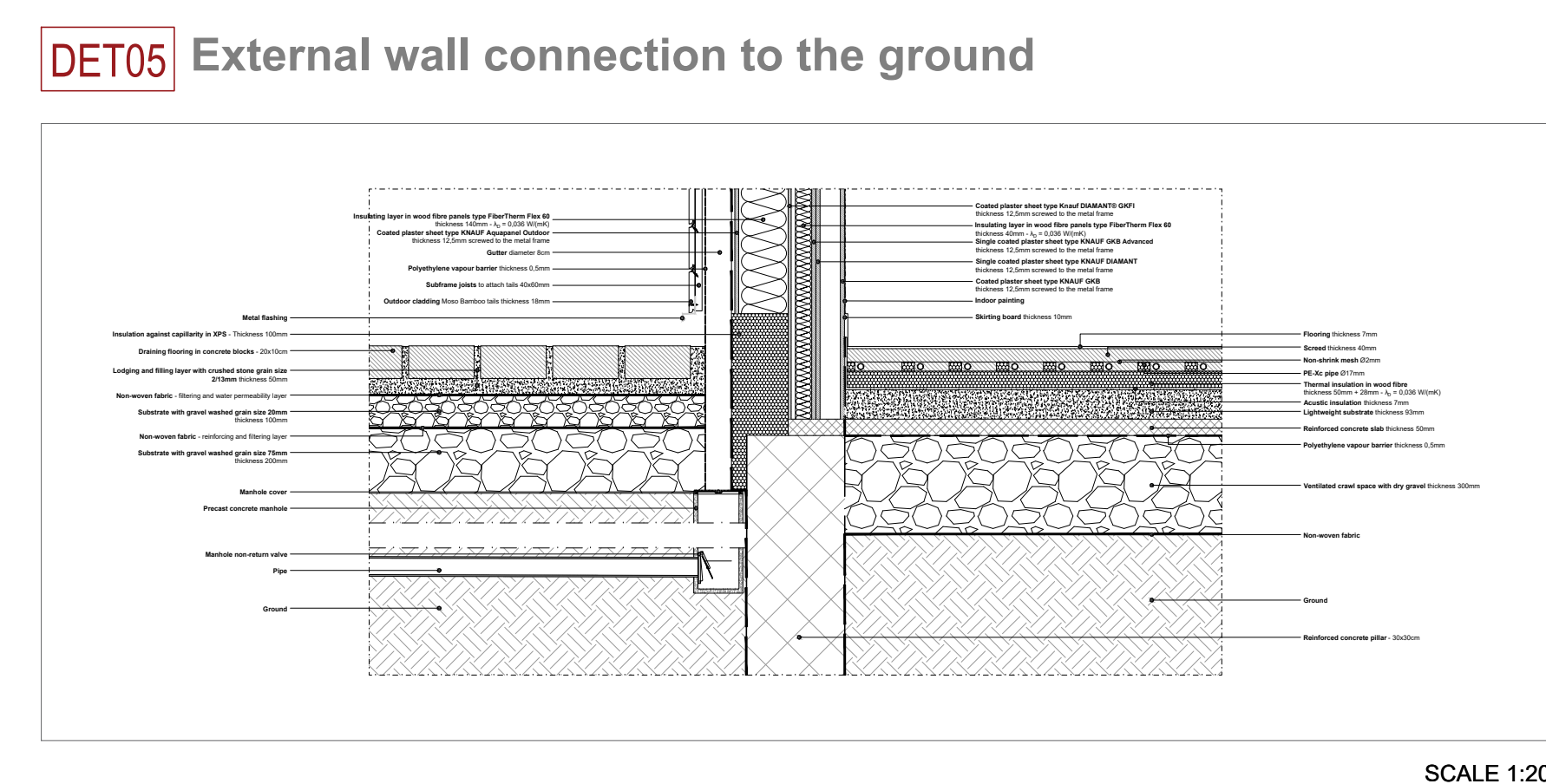
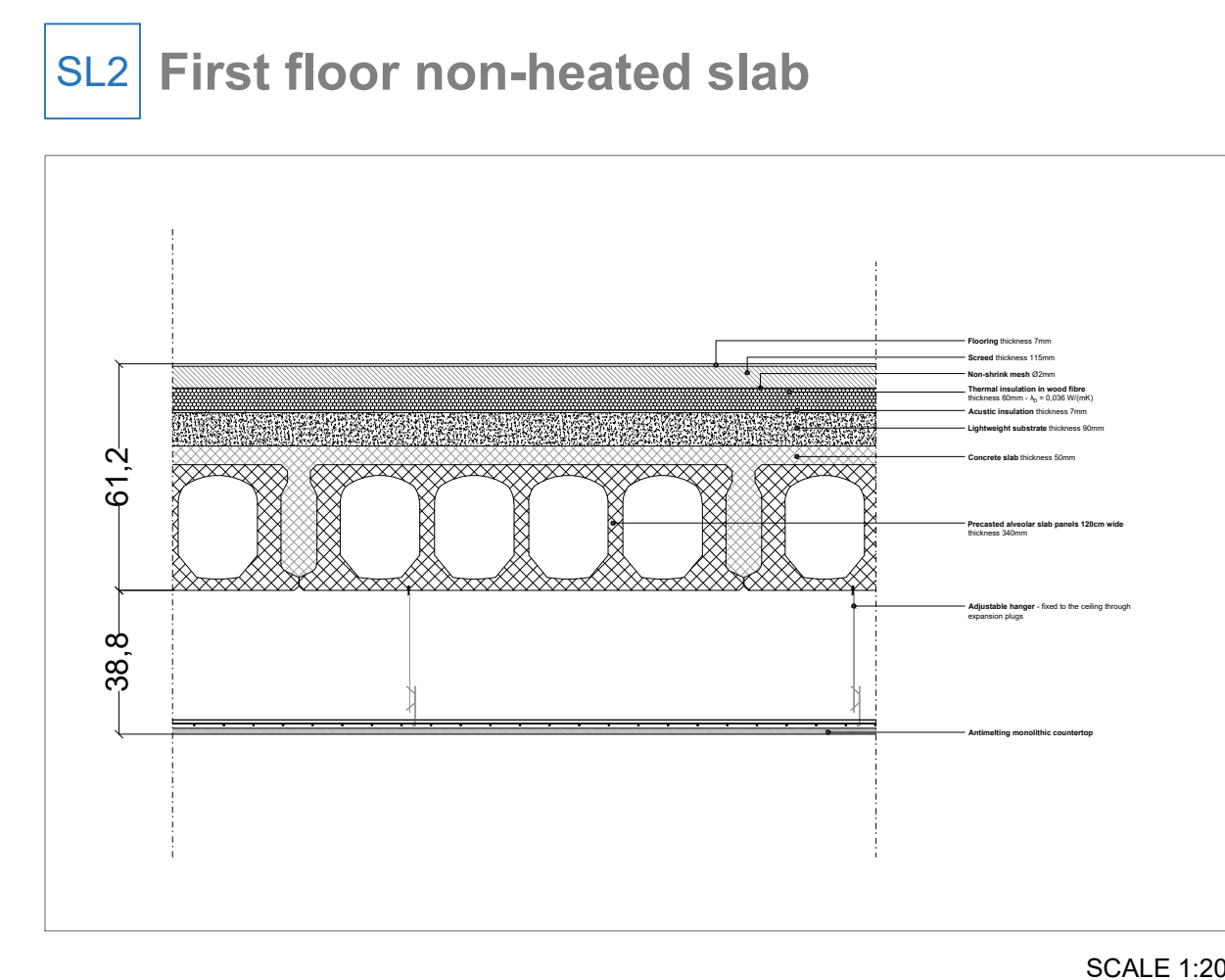
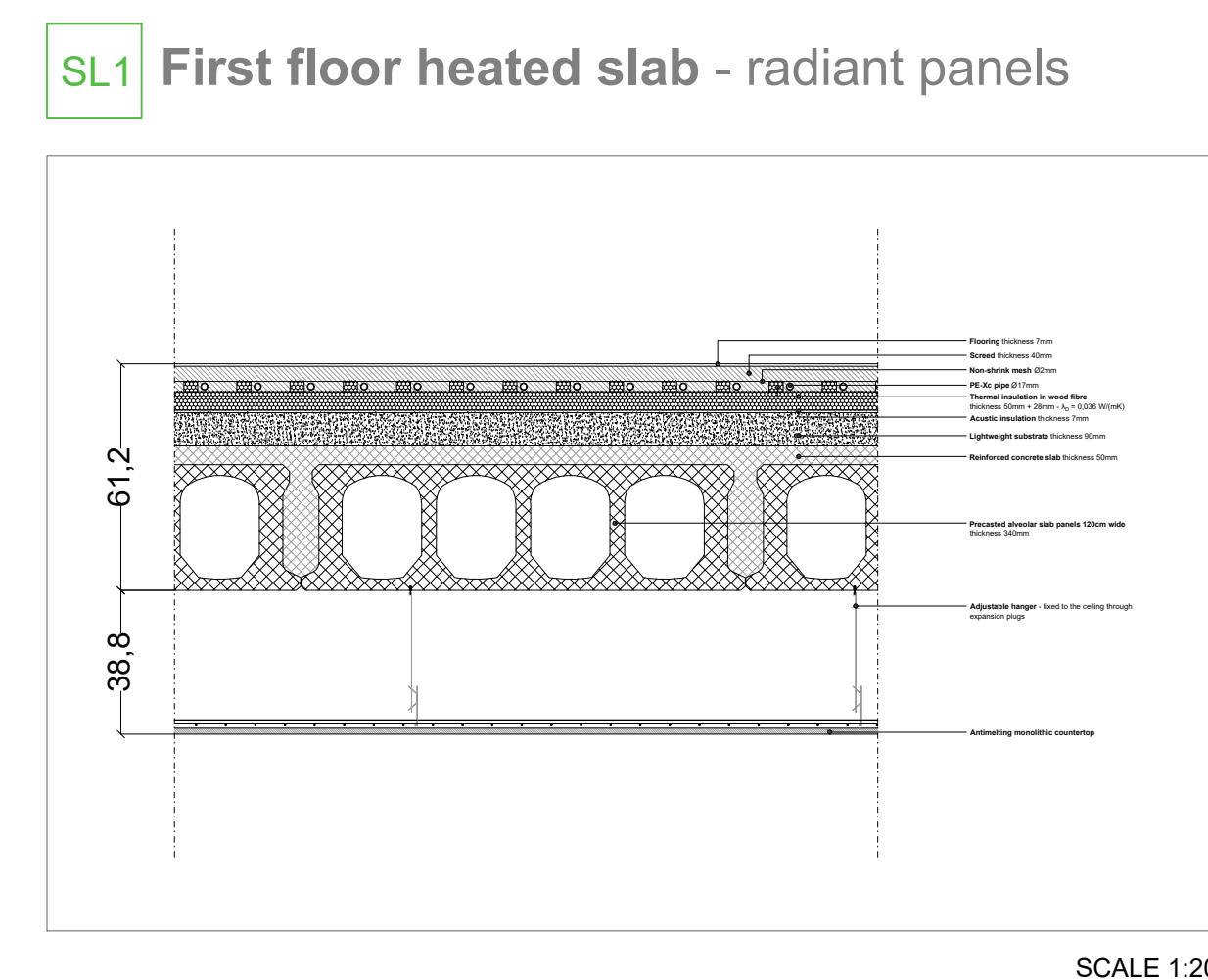
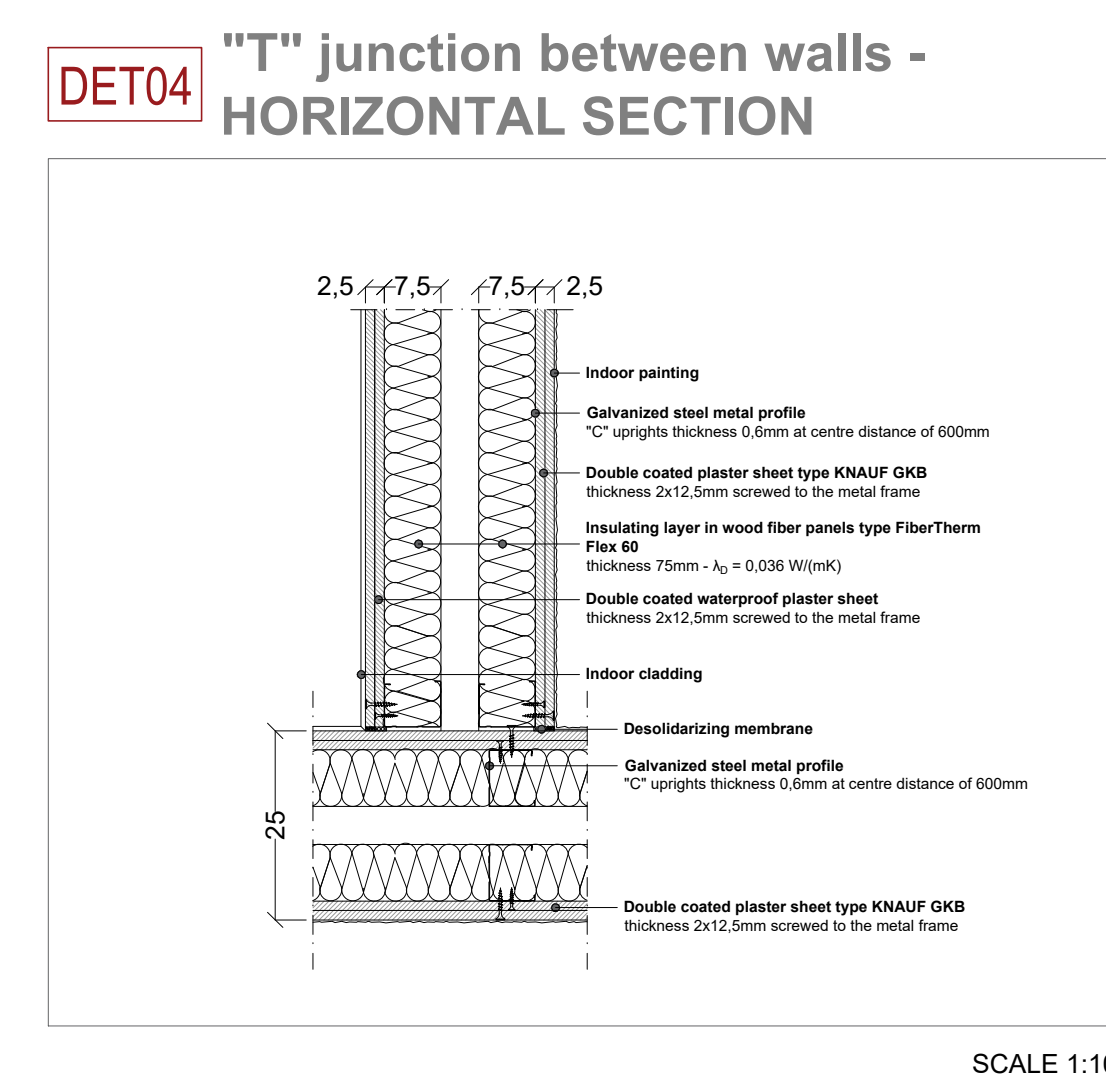
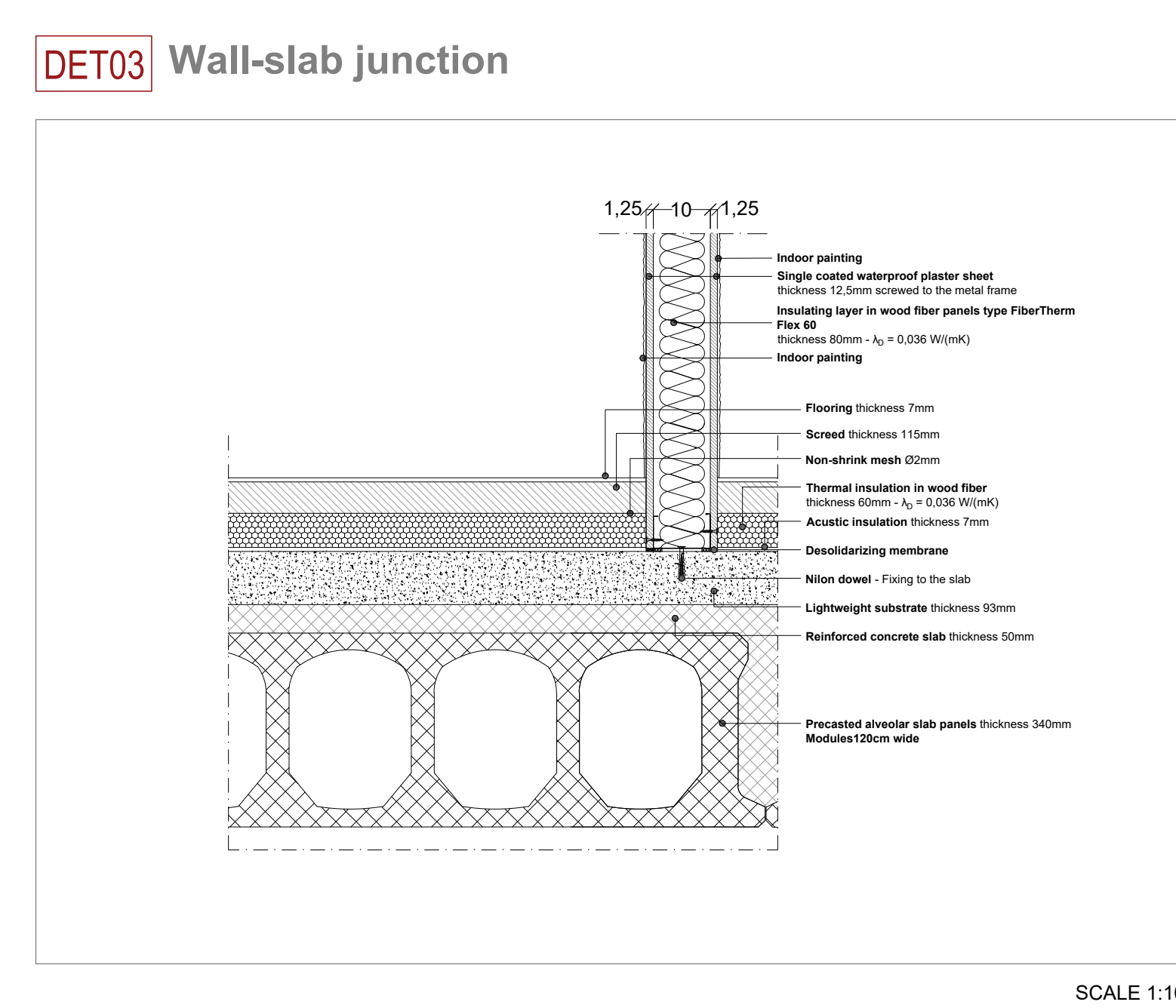
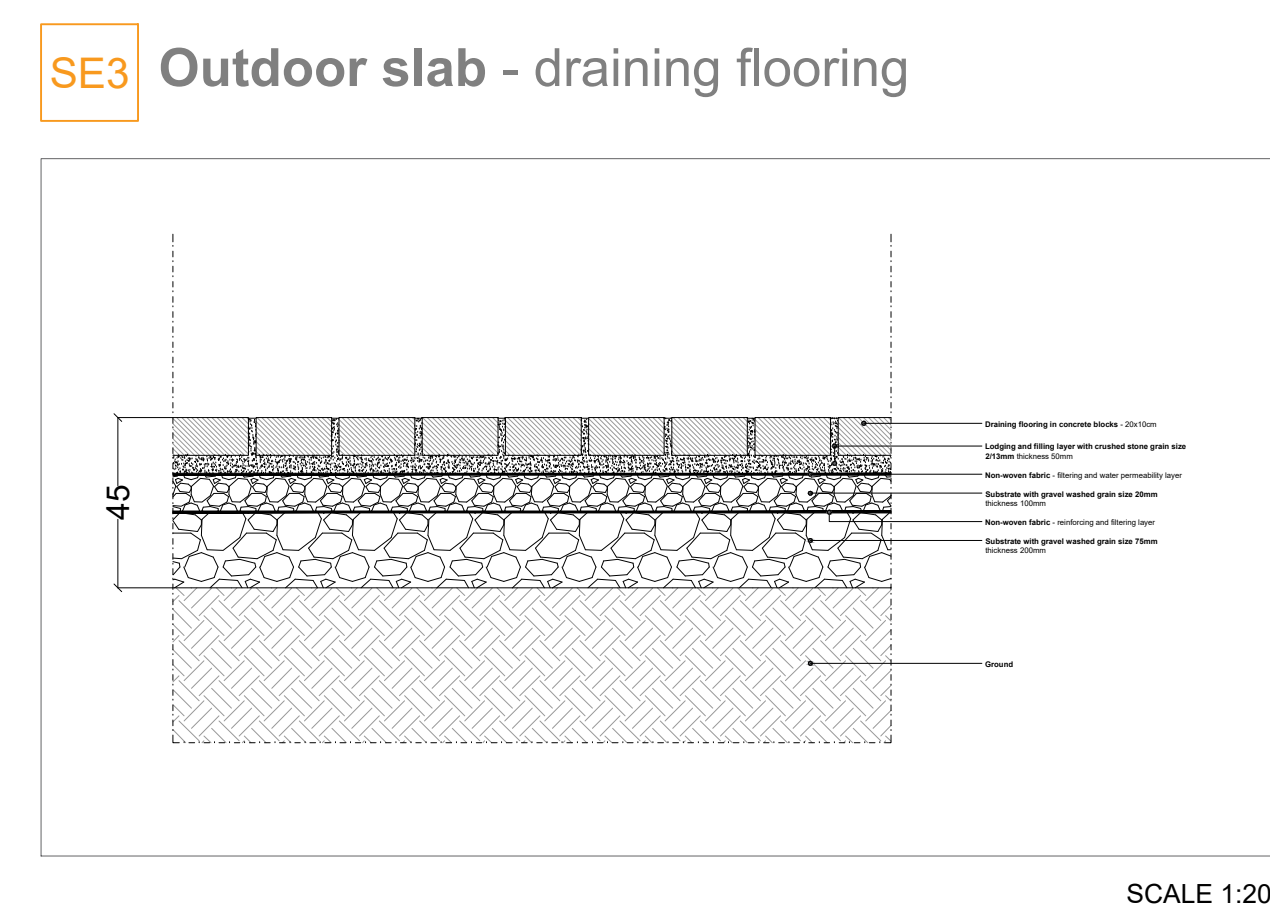
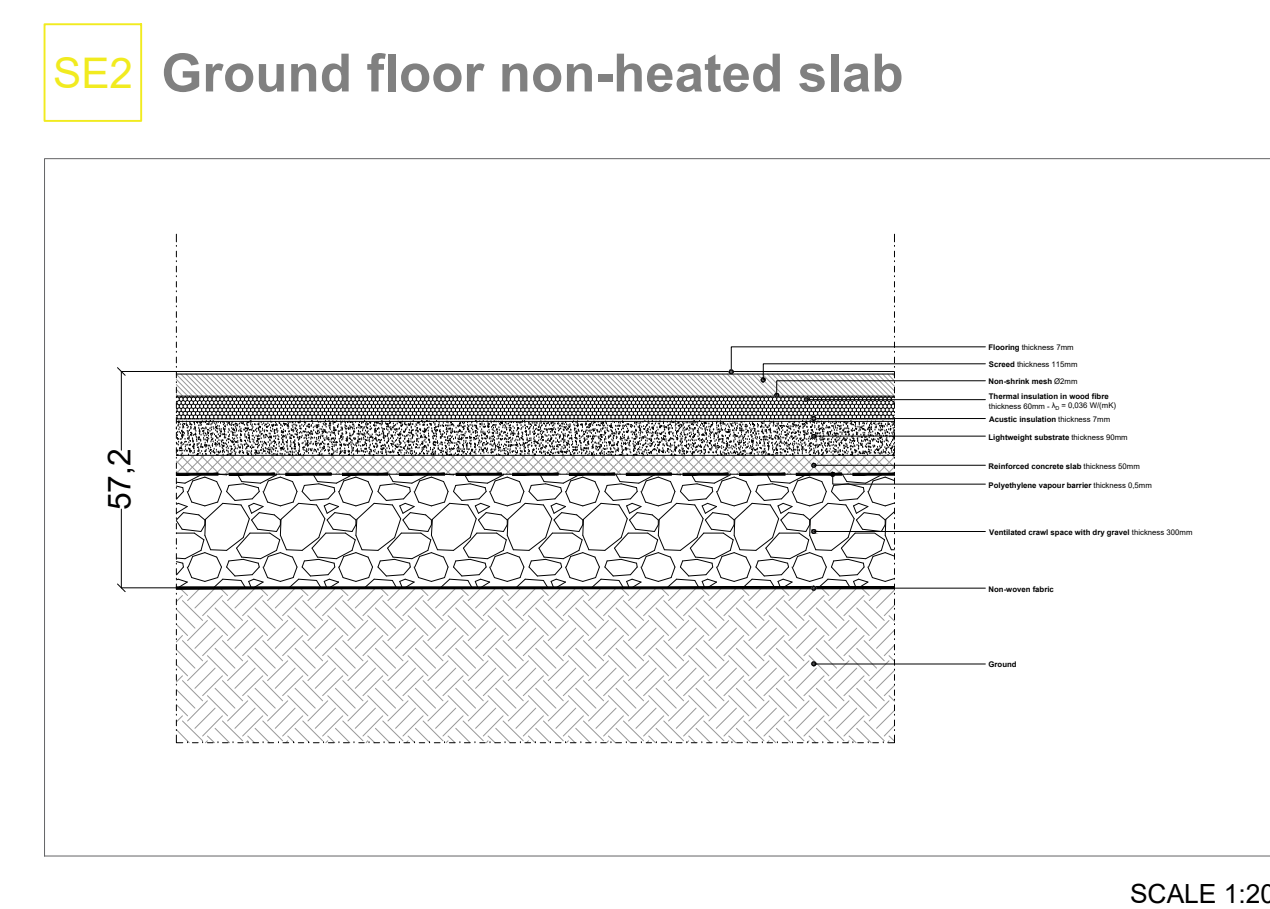
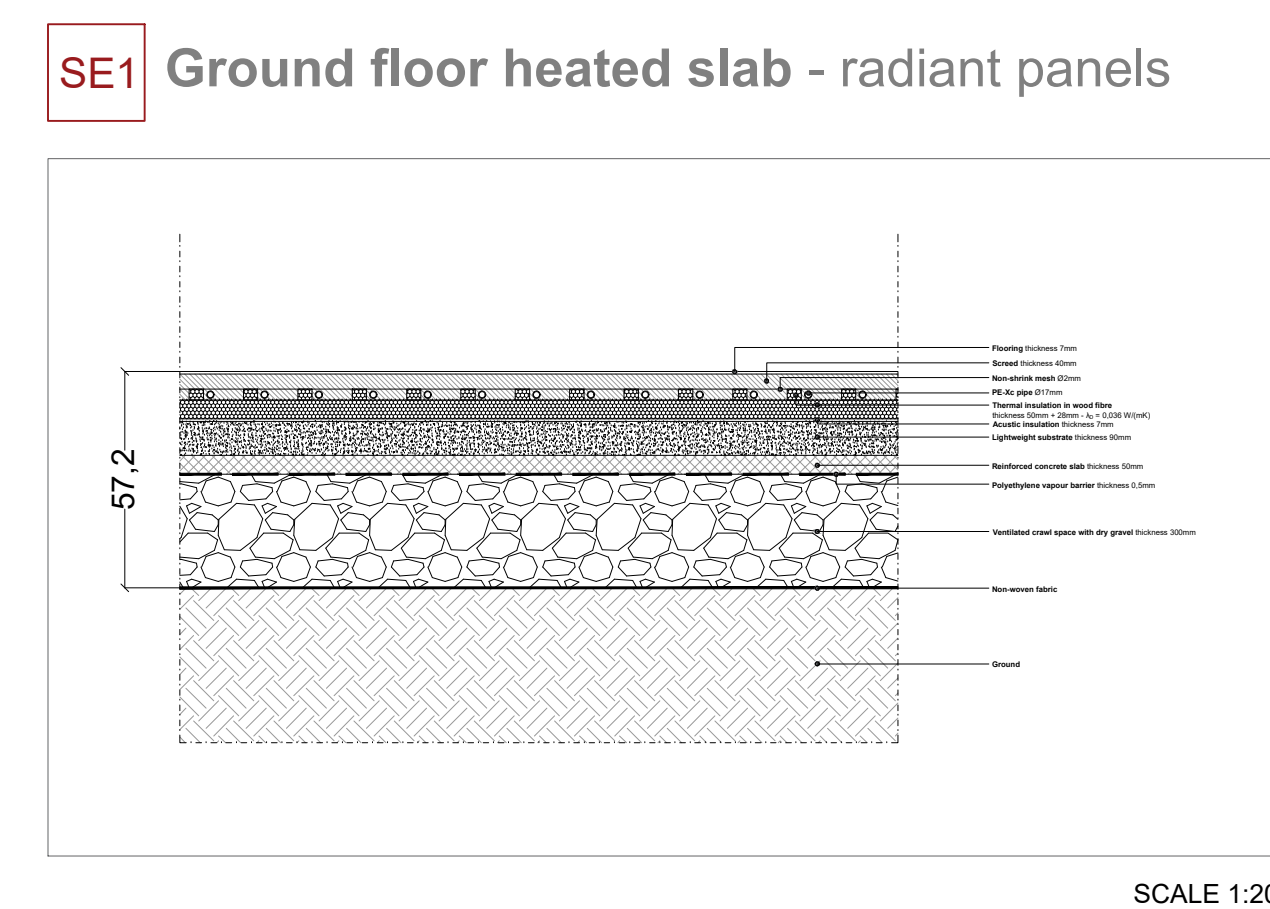
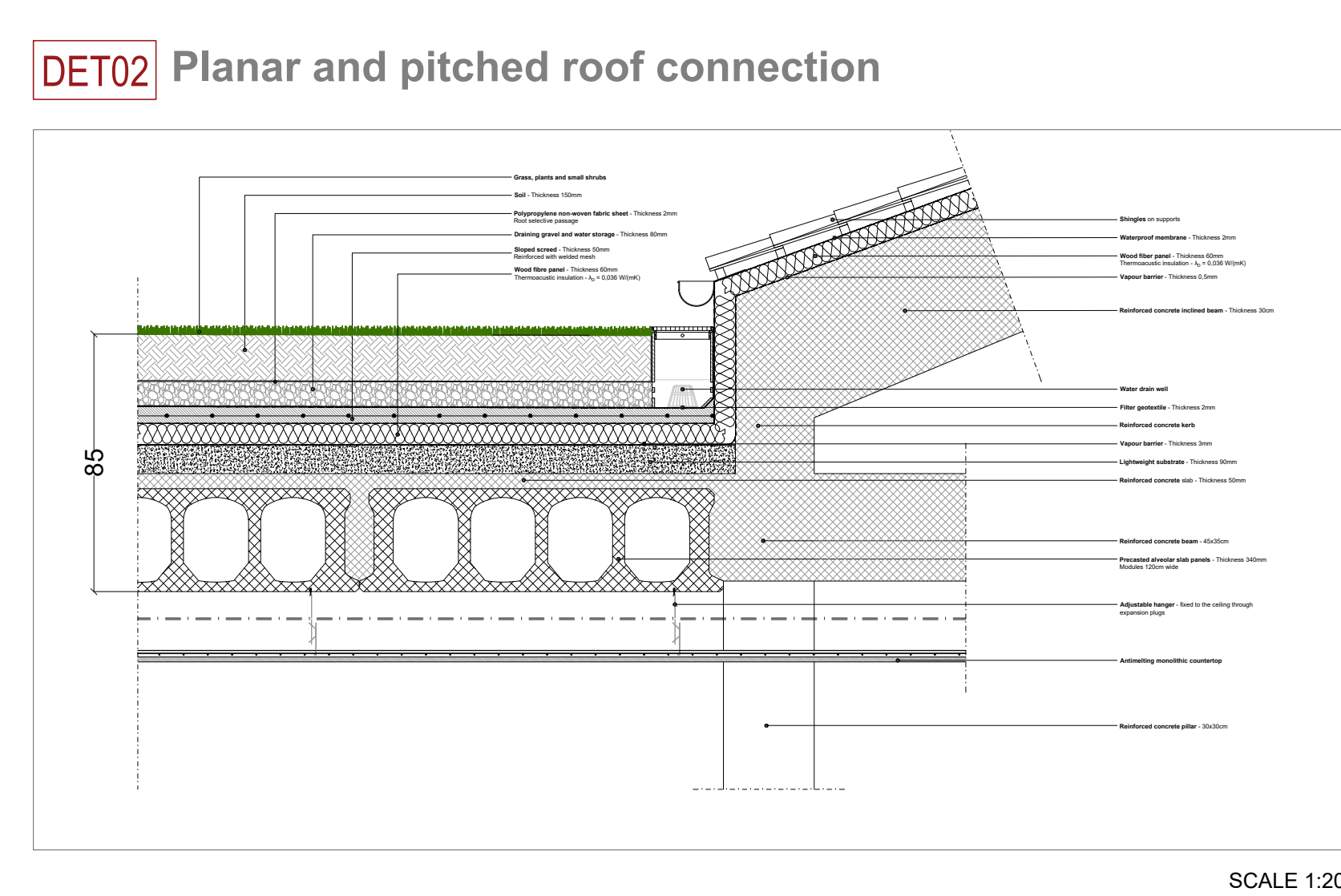
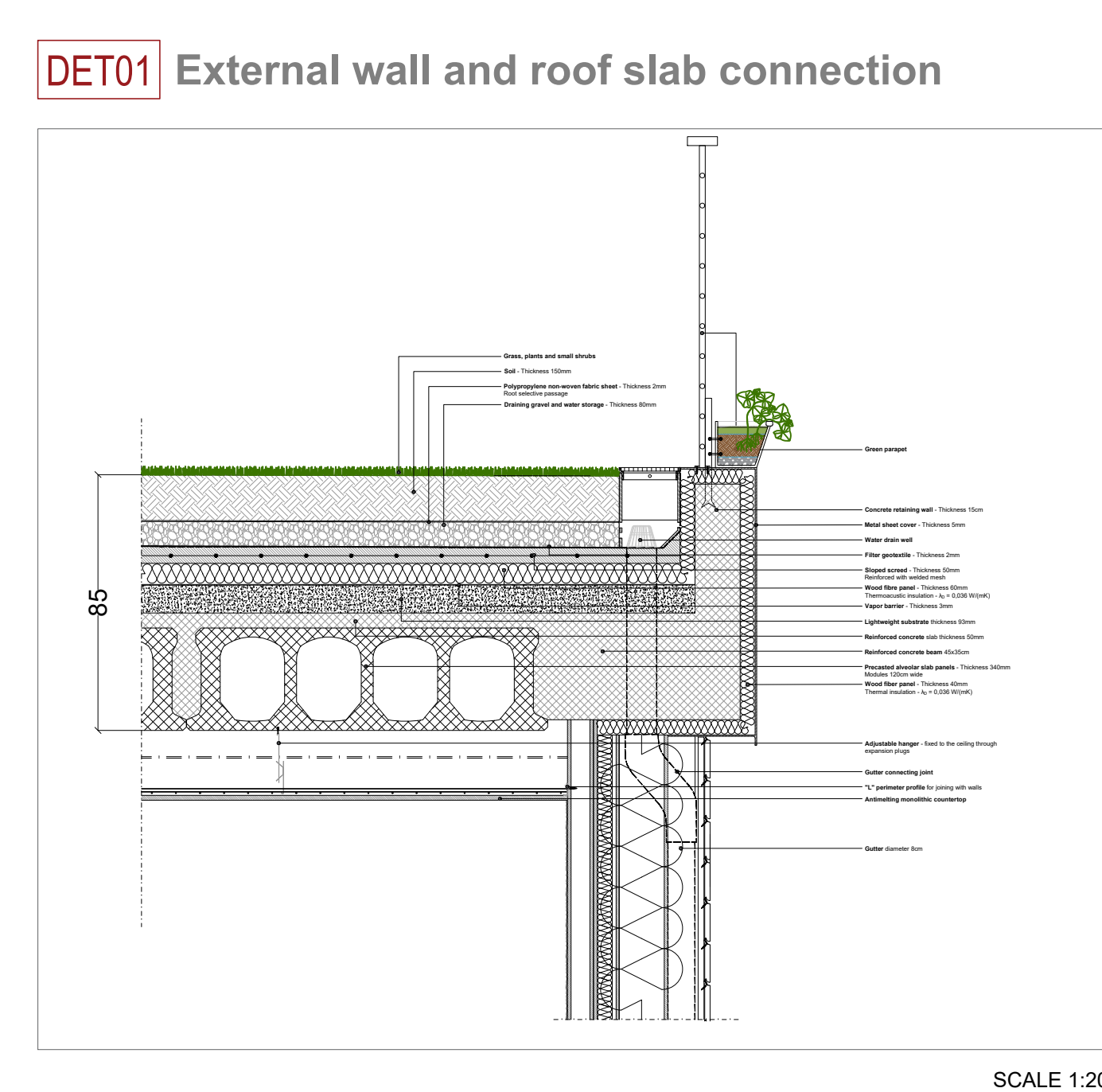
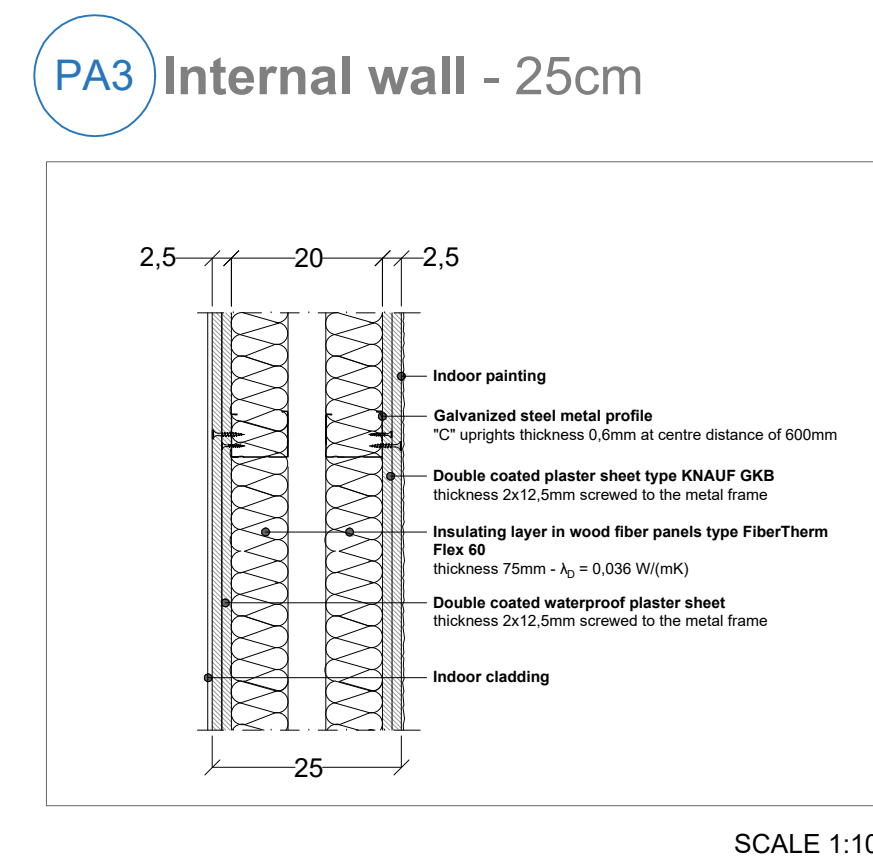
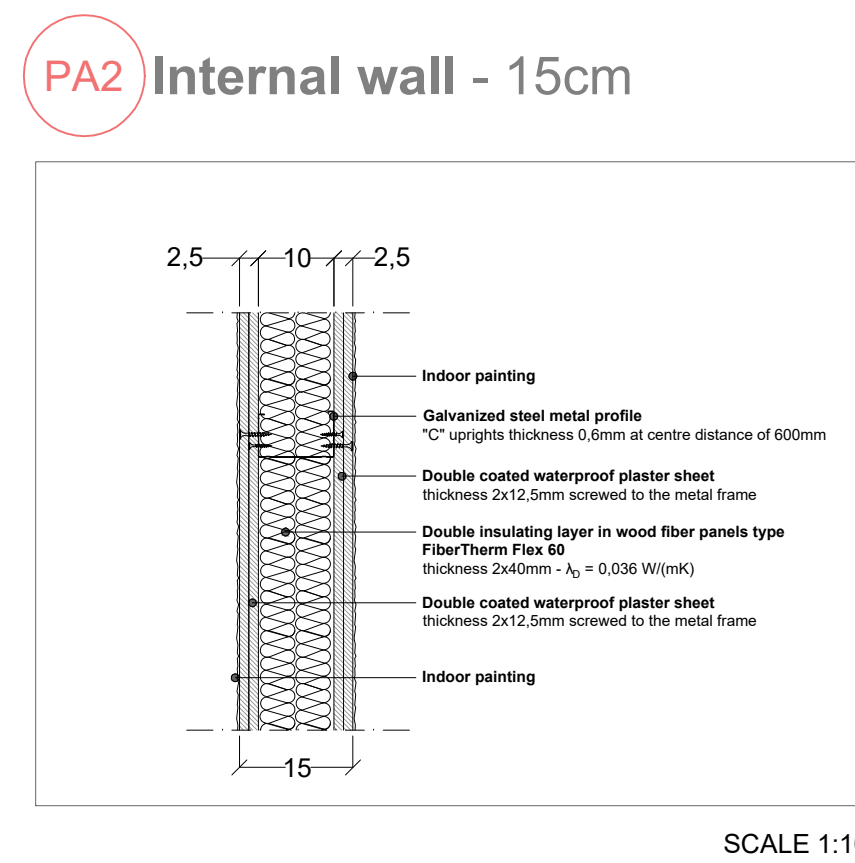
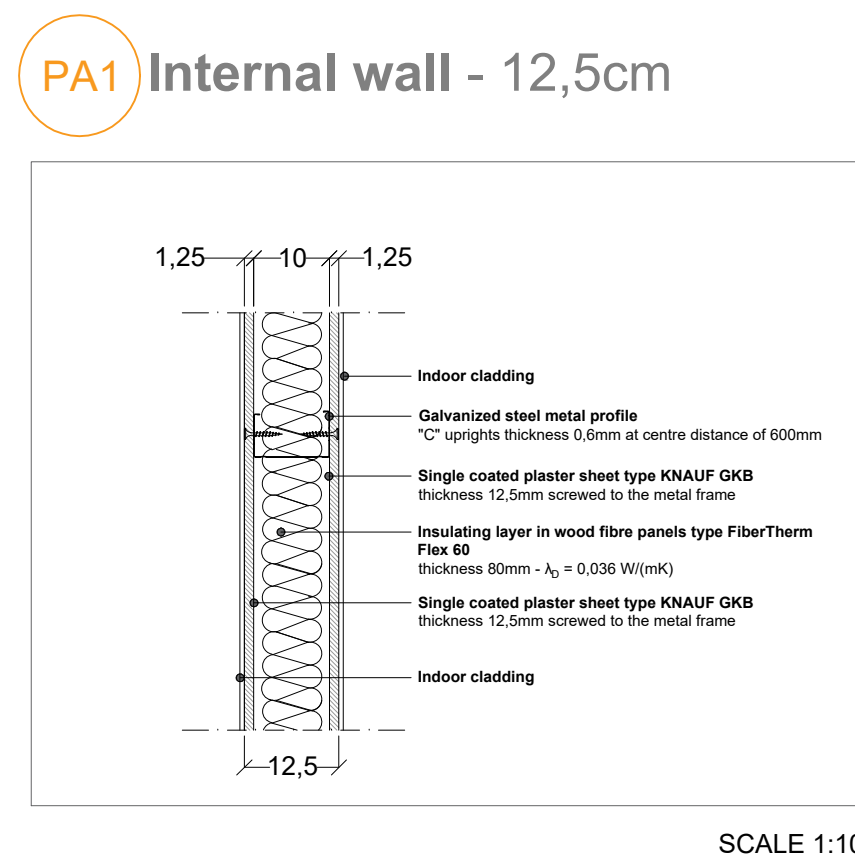
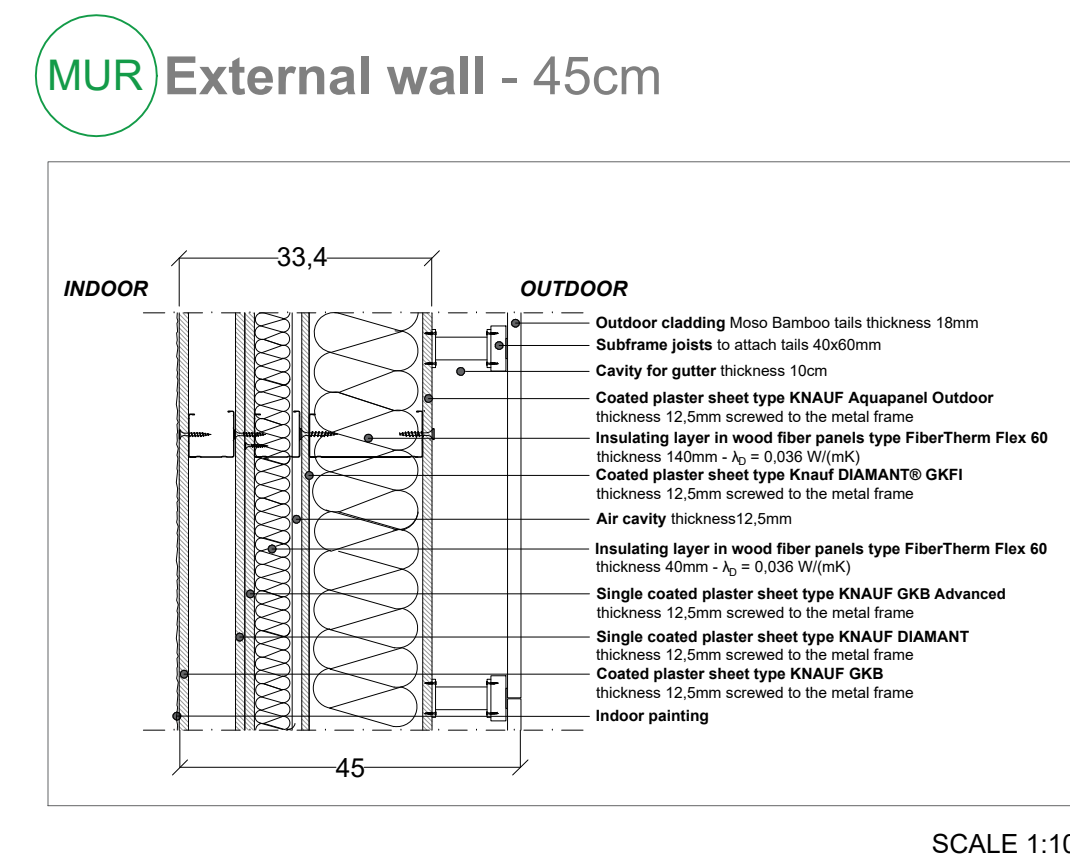


## Stratigraphy and Construction nodes



## THERMO-HYGROMETRIC VERIFICATIONS

Layers		$d$	$\rho$	$\mu$	$c$	$\lambda$	$R$
int-ext		[cm]	[kg/m <sup>3</sup> ]	[-]	[J/kg <sup>o</sup> C]	[W/m <sup>o</sup> C]	[m <sup>2</sup> °C/W]
Internal surface							0,13
I	Plaster board	1,25	665	4	1090	0,200	0,18
II	Air cavity	6	1	1	1000		
III	Plaster board	1,25	1040	4	1090	0,250	
IV	Plaster board	1,25	600	6	1090	0,190	
V	Thermal insulation	4	60	1	2100	0,036	
VI	Air cavity	1,25	1	1	1000	0,260	
VII	Plaster board	1,25	1040	4	1090	0,250	
VIII	Thermal insulation	14	60	1	2100	0,036	
IX	Plaster board	1,25	1150	6	1090	0,350	
External surface							0,04
Thermal transmittance (U)			0,196	W/(m <sup>2</sup> ·K)			

Layers		$d$	$\rho$	$\mu$	$c$	$\lambda$	$R$
int-ext		[cm]	[kg/m <sup>3</sup> ]	[-]	[J/kg°C]	[W/m°C]	[m <sup>2</sup> °C/W]
Internal surface							0,10
I	Lightweight substrate	9	-	-	-	0,073	
II	Thermal insulation	6	60	1	1000	0,036	
III	Screed	5	2000	4	1090	1,160	
IV	Draining layer	8	25	6	1090	0,111	
V	Soil	15	980	1	839	0,200	
External surface							0,04
Thermal transmittance (U)		0,290		W/(m <sup>2</sup> °K)			

Layers		$d$	$\rho$	$\mu$	$c$	$\lambda$	$R$
int-ext		[cm]	[kg/m <sup>3</sup> ]	[-]	[J/kg°C]	[W/m°C]	[m <sup>2</sup> °C/W]
Internal surface							0,17
I	Ventilated crawl	30	280	5	920	0,090	
II	Slab	5	2000	69	880	1,160	
III	Lightweight substrate	9	-	-	-	0,073	
IV	Thermal insulation	5	60	1	2100	0,036	
V	Screed	4	2000	69	880	1,160	
VI	Flooring	0,7	-	-	-	1,000	
External surface							0,04
Thermal transmittance (U)		0,196		W/(m <sup>2</sup> °K)			